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Carbon2018

The World Conference on Carbon

Madrid, SPAIN, **July 1st-6th**

Book of Abstracts

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Carbon 2018

The World Conference on Carbon

July 1st (Sun) - 6th (Fri), 2018

Madrid Marriott Auditorium Hotel & Conference Center
Madrid, Spain

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ISBN: 978-84-17293-74-1

DL: GR 1322-2018



CONTENTS •

	Page
Wellcome	07
Committees	09
Program.....	13
Plenary Speakers.....	15
Program at a glance.....	18
Keynotes Index	21
Oral Index.....	25
Poster Index.....	43
Author Index	63
Sponsors	83

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WELCOME TO CARBON 2018, WELCOME TO SPAIN

The Spanish Carbon Group (GEC) has the pleasure to invite you to the World Conference on Carbon.

On behalf of the Spanish Carbon Group (GEC) and the European Carbon Association, I would like to cordially welcome you in Madrid for the World Conference on Carbon 2018 “Bonded by Carbon”. The Spanish Carbon Group had the privilege of organising Carbon 1994 in Granada, Andalusia, and Carbon 2003 in Oviedo, Asturias. This year’s Carbon Conference is in Madrid, the capital of Spain. Madrid is a vibrant and cosmopolitan city where you will feel at home. Its cultural and leisure opportunities will guarantee you a great stay during the conference.

The tradition of carbon meetings dates back to 1953, in Buffalo, USA, under the leadership of Professor Stach Mrozowski, when four papers were presented. The World Conference on Carbon has therefore come a long way and, in the present edition, more than 800 abstracts have been received, 49 of which will be presented as keynotes, 360 as oral presentations and more than 400 as posters. Additionally, five awards will be granted. In Carbon 2018, we have made a great effort to increase the number of oral presentations. In fact, we have arranged up to six parallel rooms for two days to give the floor to as many speakers as possible. Plenary lectures will be delivered by Prof. Diego Cazorla, Prof. Yuri Gogotsi, Prof. Rosa Menéndez, Prof. Maurizio Prato and Prof. Hui-Ming Cheng. Moreover, on the occasion of the conference celebration, three different satellite courses will be held. Besides, some of the communications presented may be published in one of the special issues of the journals Carbon, Electrochimica Acta and Nanomaterials.

We will receive more than 700 participants from 55 different countries of all continents, more than 200 being students. The conference provides a great opportunity for interaction between more experienced researchers and the younger generation entering the world of carbon.

The Conference would not have been possible without the effort of all the colleagues involved in the Organizing and the Scientific Committees, to whom special thanks are in order. Furthermore, we are grateful to our sponsors for the financial support.

We wish all the participants an unforgettable week in Madrid and we hope you have time to discuss and interact with one another, as well as to visit the city.

María Jesús Lázaro

President of the Spanish Carbon Group

Chair of the European Carbon Association

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Carbon2018

The World Conference on Carbon

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Program

Plenary speakers



DIEGO CAZORLA AMORÓS, UNIVERSIDAD DE ALICANTE, SPAIN

“Surface (electro)chemistry of carbon materials. About the role of oxygen and nitrogen heteroatoms”

Dr. Diego Cazorla-Amorós is Professor in Inorganic Chemistry at the University of Alicante and Director of the Materials Institute of this university. He graduated in Chemistry from the University of Alicante in 1988 and obtained his PhD from this University in 1991. He spent pre- and postdoctoral stays at the Université Claude Bernard (France), Tohoku University (Japan) and Brown University (USA), among others. He became Associate Professor in 1994 at the University of Alicante and promoted as Full Professor in 2002. He is co-author of more than 230 papers and book chapters and 13 patents and has supervised 22 PhD students. His research interests include the design of a wide range of materials, including carbon materials, zeolites, mesoporous materials and metal-containing nanoparticles. He is especially interested in the synthesis, characterization and applications of different forms of carbon materials. He has made the most relevant contributions in the synthesis of high surface area porous carbons and in the modification of the surface chemistry in order to optimize their applications in the areas of environmental protection and energy storage and production.



YURY GOGOTSI, DREXEL UNIVERSITY, USA

“Transformative synthesis of carbon-based materials - from graphene to nanotubes and MXenes”

Dr. Yury Gogotsi is Charles T. and Ruth M. Bach Professor, Distinguished University Professor and Trustee Chair of Materials Science and Engineering at Drexel University. He also serves as Director of the A.J. Drexel Nanomaterials Institute. He received his MS (1984) and PhD (1986) from Kiev Polytechnic and a DSc degree from the Ukrainian Academy of Sciences in 1995. His research group works on nanostructured carbons, 2D carbides and other nanomaterials for energy, water and biomedical applications. He has co-authored 2 books, 16 book chapters, more than 500 papers in peer-reviewed journals, edited 13 books, and obtained more than 50 patents. He was recognized as Highly Cited Researcher by Thomson-Reuters in 2014-2016 (h-index >100, Google Scholar).

He has received numerous awards for his research including the European Carbon Association Award, S. Somiya Award from the International Union of Materials Research Societies, International Nanotechnology Prize (RUSNANO Prize), R&D 100 Award from R&D Magazine (twice) and two Nano 50 Awards from NASA Nanotech Briefs. He has been elected a Fellow of the American Association for Advancement of Science (AAAS), Materials Research Society, American Ceramic Society, the Electrochemical Society, Royal Society of Chemistry, NanoSMAT Society, as well as Academician of the World Academy of Ceramics and Full Member of the International Institute for the Science of Sintering. He also serves on the MRS Board of Directors.



ROSA MENÉNDEZ, INSTITUTO NACIONAL DEL CARBÓN (CSIC), SPAIN

“State of the art and future perspectives of traditional carbon materials and new carbon forms”

Graduate and PhD in Chemistry. Full research professor at the Department of Chemistry of Materials, Instituto Nacional del Carbón (INCAR), CSIC in Oviedo, Spain. She has supervised 20 PhD theses and 22 MSc in the fields of Materials, Chemistry and Energy. She has published more than 200 papers in recognized journals and 9 patents. Main researcher in 28 projects, 10 of which belonged to European Research Programs, coordinator of 5. Awarded with recognitions such as: Schunk Carbon Award, XIX Science DuPont Award and the Spanish Materials Society to the best scientific career, among others. On parallel, she has occupied several leading positions such as director of INCAR and Vicepresident of CSIC. Active in National and International Committees, coordinator and member of several evaluation panels.



MAURIZIO PRATO, UNIVERSITÀ DI TRIESTE, ITALY

“Synthesis, Properties and Applications of Functionalized Carbon Nanoforms”

Maurizio Prato graduated in Padova, where he was appointed Assistant Professor in 1983. He moved to Trieste in 1992 as an Associate Professor to become Full Professor in 2000. From 2015, he is also Ikerbasque Research Professor at CIC BiomaGUNE, Spain. He spent sabbatical terms at Yale University with Sam Danishefsky (1986-7) and at the University of California, Santa Barbara with Fred Wudl (1991-2). He was Visiting Professor at the École Normale Supérieure de Paris (2001), at the University of Namur, Belgium (2010) and the University of Strasbourg (2014). He was the recipient of an ERC Advanced Research Grant, European Research Council, in 2008 and became a Member of the National Academy of Sciences (Accademia Nazionale dei Lincei) in 2010.

His research focuses on the synthesis and applications of new functional materials, for the study of their optical and electrochemical properties. Especially, he has worked on the functionalization of carbon nanostructures, including fullerenes, carbon nanotubes and graphene. He developed a series of organic reactions that make these materials more biocompatible, less or even non toxic, amenable to further functionalization, and easier to manipulate. Presently, he is interested in transferring the properties of these materials into applications, which include the possibility of spinal cord repair, the splitting of water, and the reduction of carbon dioxide into useful chemicals.



**HUI-MING CHENG SHENYANG
NATIONAL LABORATORY FOR MATERIALS SCIENCE (CAS), CHINA**

“Graphene Materials: Fabrication and Use in Electrochemical Energy Storage”

Dr. Hui-Ming Cheng is Professor and Director of both Advanced Carbon Research Division of Shenyang National Laboratory for Materials Science, Institute of Metal Research, the Chinese Academy of Sciences, and the Low-Dimensional Material and Device Laboratory of the Tsinghua-Berkeley Shenzhen Institute, Tsinghua University. His research activities focus on carbon nanotubes, graphene, other low-dimensional materials, energy storage materials, photocatalytic semiconducting materials, and bulk carbon materials. He has published over 500 papers with >50,000 citations and is recognized as a Highly Cited Researcher in both materials science and chemistry fields by Thomson Reuters. He used to be the Editor of Carbon and Editor-in-Chief of New Carbon Materials, and is now the founding Editor-in-Chief of Energy Storage Materials and Associate Editor of Science China Materials. He was elected as a member of Chinese Academy of Sciences and a fellow of TWAS.

Program at a glance

	SUNDAY 1 ST	MONDAY 2 ND					TUESDAY 3 RD							WEDNESDAY 4 TH					THURSDAY 5 TH					FRIDAY 6 TH				
09:00 - 9:30		OPEN CEREMONY					Plenary Lecture YURY GOGOTSI Drexel University, USA							Plenary Lecture HUI-MING CHEN Shenyang National Lab for Materials Science (CAS), China					Plenary Lecture DIEGO CAZORLA-AMORÓS Universidad de Alicante, Spain					Plenary Lecture MAURIZIO PRATO Università di Trieste, Italy				
09:30 - 10:00		Plenary Lecture ROSA MENENDEZ Instituto Nacional del Carbón (CSIC) Spain					COFFEE BREAK							COFFEE BREAK					COFFEE BREAK					COFFEE BREAK				
10:00 - 10:30																												
10:30 - 10:45		COFFEE BREAK					T03 (R5)	T02 (R4)	T05 (R2)	T06 (R1)	T07 (R6)	T08 (R3)		T01 (R5)	T02 (R4)	T05 (R2)	T06 (R1)	T08 (R3)	T01 (R5)	T05 (R2)		T08 (R3)	T10 (R4)					
10:45 - 11:00																												
11:00 - 11:15		T02 (R4)	T04 (R5)	T06 (R1)	T07 (R3)	T09 (R2)																						
11:15 - 11:30																												
11:30 - 11:45																												
11:50 - 12:20		T02-K (R4)	T04-K (R5)	T06-K (R1)	T07-K (R3)	T09-K (R2)	T01-K (R5)	T02-K (R4)	T05-K (R2)	T06-K (R1)	T07-K (R6)	T08-K (R3)		T01-K (R5)	T02-K (R4)	T05-K (R2)	T06-K (R1)	T08-K (R3)	T01-K (R5)	T05-K (R2)	T06-K (R1)	T08-K (R3)	T10-K (R4)					
12:20 - 12:35																												
12:35 - 12:50																												
12:50 - 13:05		T02 (R4)	T04 (R5)	T06 (R1)	T07 (R3)	T09 (R2)	T03 (R5)	T02 (R4)	T05 (R2)	T06 (R1)	T07 (R6)	T08 (R3)		T01 (R5)	T02 (R4)	T05 (R2)	T06 (R1)	T10 (R3)										
13:05 - 13:20																			AWARD SESSION (R1) Sustainable Energy & Fuels Energy & Environmental Science									
13:20 - 13:35																			CLOSING CEREMONY									
13:35 - 15:00		LUNCH					LUNCH							LUNCH					LUNCH									
15:15	REGISTRATION (16:00 to 20:00) (Madrid Marriott Auditorium & Conference Center)	T02 (R4)	T04 (R5)	T06 (R1)	T07 (R3)	T09 (R2)	T01 (R5)	T02 (R4)	T05 (R2)	T06 (R1)	T07 (R6)	T08 (R3)		T01 (R5)	T02 (R4)	T05 (R2)	T06 (R1 & R6)	T08 (R3)	T01 (R5)	T02 (R4)	T05 (R2)	T06 (R1)	T08 (R3)	• T01_Graphene and graphite. • T02_Advanced carbon materials: nanotubes, fullerenes, carbon fibres and carbon based composites. • T03_Coal, coke and carbon black. • T04_Thermo-chemical conversion processes • T05_Preparation, characterization, simulation and modelling of carbon. • T06_Electrochemical applications. • T07_Catalysis application. • T08_Environmental applications. • T09_Gas separation and storage. • T10_Carbons for health, medical and biological applications.				
15:30																												
15:45		T03 (R5)																										
16:00																												
16:15																												
16:30 - 17:00		T02-K (R4)	T04-K (R5)	T06-K (R1)	T07-K (R3)	T09-K (R2)	T01-K (R5)	T02-K (R4)	T05-K (R2)	T06-K (R1)	T07-K (R6)	T08-K (R3)		T01-K (R5)	T02-K (R4)	T05-K (R2)	T06-K (R1)	T10-K (R3)										
17:00 - 17:30		Poster Session & Coffee (T02, T04, T06, T09)					Poster Session & Coffee (T01, T03, T06, T07)							Poster Session & Coffee (T05, T08, T10)					COFFEE BREAK									
17:30 - 19:00													AWARD SESSION															
19:00 - 19:30																												
19:30 - 20:00													CONFERENCE DINNER (Casa de Mónico)															
20:00	WELCOME COCKTAIL						SOCIAL EVENT (Madrid Guided Tour)																					

- T01_Graphene and graphite.
- T02_Advanced carbon materials: nanotubes, fullerenes, carbon fibres and carbon based composites.
- T03_Coal, coke and carbon black.
- T04_Thermo-chemical conversion processes.
- T05_Preparation, characterization, simulation and modelling of carbon.
- T06_Electrochemical applications.
- T07_Catalysis application.
- T08_Environmental applications.
- T09_Gas separation and storage.
- T10_Carbons for health, medical and biological applications.



Keynotes Index

Code	Title
0062	HIGHLY SELECTIVE ADSORPTIVITIES OF POROUS CARBONS FOR WATER AND OXYGEN ISOTOPES ONO, YYJI - KUMAR, SANJEEV - FUTAMURA, RYUSUKE - VALLEJOS-BURGOS, FERNANDO - SAGISAKA, KENTO - HATTORI, YOSHIYUKI - GOGOTSI, YURY - KANEKO, KATSUMI
0071	A MOLECULAR DYNAMICS STUDY ON THE TRIBOLOGICAL PROPERTIES OF DIAMOND-LIKE CARBON IN HYDROGEN GAS ENVIRONMENT WANG, YANG - XU, JINGXIANG - OOTANI, YUSUKE - HIGUCHI, YUJI - OZAWA, NOBUKI - KUBO, MOMOJI
0078	ELECTROCHEMICAL BEHAVIORS OF LITHIUM INTERCALATION/DE-INTERCALATION INTO/OUT-OF BORON/CARBON MATERIALS AS ANODES OF LIBS KAWAGUCHI, MASAYUKI - SUGISAKI, SEIYA - KOUGE, YUKAKO - GOTOH, KAZUMA
0087	ELECTROCHEMICAL PERFORMANCE OF N-DOPED SUPERPOROUS ACTIVATED CARBONS IN NON-CONVENTIONAL ELECTROLYTES MOSTAZO-LÓPEZ, MARÍA JOSÉ - KRUMMACHER, JAKOB - BALDUCCI, ANDREA - MORALLÓN, EMILIA - CAZORLA-AMORÓS, DIEGO
0089	JUST ADD WATER AND TABLE SALT: NEW PERSPECTIVES ON THE ELECTROCHENMICAL EXFOLIATION OF HIGH QUALITY GRAPHENE MUNUERA, JOSE MARÍA - PAREDES, JUAN IGNACIO - ENTERRÍA, MARINA - PAGÁN, ANA - VILLAR-RODIL, SILVIA - PEREIRA, MANUEL - FERNANDO RIBEIRO - FIGUEIREDO, JOSÉ LUIS - CENIS, JOSÉ LUIS - MARTÍNEZ-ALONSO, AMELIA - TASCÓN, JUAN MANUEL DIEZ
0111	FLOW PATTERN ANALYSIS OF THE HORIZONTAL TUBE FURNACE FOR THE CNT FIBER SYNTHESIS LEE, TAESEON - UM, TAEWOONG - LEE, SUNG-HYUN - KANG, IN SEOK - LEE, KUN-HONG
0113	ELUCIDATION OF RELATIONSHIPS BETWEEN CARBON STRUCTURE AND ANION INTERCALATION IN DUAL-ION BATTERIES ANDREAS, HECKMANN - OLGA, FROMM - UTA, RODEHORST - MARTIN, WINTER - TOBIAS, PLACKE
0114	DEVELOPMENT OF NOVEL PAN-BASED ACTIVATED CARBON FIBERS YOSHIKAWA, MASAAKI - HAYASHI, JUNICHI
0118	3D PRINTED GUIDELINES FROM NANOFIBRILLATED CELLULOSE/CARBON NANOTUBES INKS FOR APPLICATION IN NEURAL TISSUE ENGINEERING KUZMENKO, VOLODYMYR - KARABULUT, ERDEM - PERNEVIK, ELIN - ENOKSSON, PETER - GATENHOLM, PAUL
0129	COMBINATION OF TRANSITION METAL WITH NANOCARBON MATERIALS: PROMISTING CATALYSTS FOR LIQUID PHASE ORGANIC REACTIONS ZHAO, QINGSHAN - WU, MINGBO - LI, XINXIN
0138	CARBIDE-DERIVED CARBON BEADS WITH TUNABLE NANOPORES FROM CONTINUOUSLY PRODUCED POLYSILSESQUOXANES FOR ENERGY STORAGE DEVICES KRÜNER, BENJAMIN - ODENWALD, CHRISTINA - KICKELBICK, GUIDO - PRESSER, VOLKER
0140	PETROLEUM COKE-BASED CARBON NANOMATERIALS FOR ELECTROCATALYSIS WU, MINGBO
0163	NUMERICAL EVALUATION OF THE MIXED-MODE INTERFACIAL FRACTURE OF C/C COMPOSITES BY USING A ZERO-THICKNESS COHESIVE APPROACH QI, LEHUA - CHAO, XUJIANG - LI, HEJUN
0190	NANOPOROUS CARBONS FOR SOLAR FUELS PRODUCTION MATOS, JUAN - OCARES-RIQUELME, JOSE - POON, PO S. - GARCÍA, XIMENA - TITIRICI, MARÍA M - ANIA, CONCHI O.
0197	EMPHASIZING THE ROLE OF CARBON PORES IN ELECTROCATALYSIS BANDOSZ, TERESA J
0215	THE STUDY TOWARD TO THE REALIZATION OF SUSTAINABLE CFRTP HAVING BOTH HIGH MECHANICAL PROPERTIES AND RECYCLABILITY IRISAWA, TOSHIHIRA - HASHIMOTO, RYO - NAGAO, NAOAKI - TANABE, YASUHIRO - ARAI, MASAHIRO
0257	MECHANISM OF THE OXYGEN REDUCTION REACTION (ORR) ON GRAPHENE-BASED MATERIALS: FURTHER INSIGHTS FROM QUANTUM CHEMISTRY RADOVIC, LJUBISA R
0290	CARBON MATERIALS AS CATALYST SUPPORTS AND CO-CATALYSTS FOR BIOMASS UPGRADING PROCESSES GARCÉS, DIEGO - FABA, LAURA - DÍAZ, EVA - ORDÓÑEZ, SALVADOR
0293	HIGH-VOLTAGE DURABILITY AND DEGRADATION MECHANISM OF SEAMLESS ACTIVATED-CARBON ELECTRODE FOR ELECTROCHEMICAL CAPACITORS SHIRAIISHI, SOSHI - TAGAYA, TOMOMI - OYAMA, RYOHEI - HATAHEYAMA, YOSHIKIYO - TSUKADA, HIDEHIKO
0315	NANOGRAPHENES BY SOLVENT-FREE SYNTHESSES - THE MECHANOCHEMICAL SCHOLL REACTION GRÄTZ, SVEN - BEYER, DOREEN - TKACHOVA, VALERIYA - HELLMANN, SARAH - BERGER, REINHARD - FENG, XINLIANG - BORCHARDT, LARS
0325	CO2 CAPTURE BY CHEMICAL LOOPING PROCESSES USING C-FUELS GARCÍA LABIANO, FRANCISCO - IZQUIERDO, MARIA TERESA - DE DIEGO, LUIS F. - GAYÁN, PILAR - ABAD, ALBERTO - MENDIARA, TERESA - ADÁNEZ, JUAN

Code	Title
0345	EELS MEASUREMENT OF GRAPHITIZED ULTRATHIN CARBON FILMS YOSHIZAWA, NORIKO - SONEDA, YASUSHI - KODAMA, MASAYA
0364	FROM NANO- TO MACRO-SCALE: HYBRID MAGNETIC CARBON NANOCOMPOSITES AS A TOOL FOR CATALYTIC WET PEROXIDE OXIDATION RIBEIRO, RUI S. - SILVA, ADRIÁN M.T. - FARIA, JOAQUIM L. - GOMES, HELDER T.
0365	CHARGE-DISCHARGE PROPERTIES OF SNO2-EMBEDDED NANOPOROUS CARBONS IN ALL-SOLID-STATE LITHIUM ION BATTERY SYSTEM NOTOHARA, HIROO - URITA, KOKI - MORIGUCHI, ISAMU
0375	TIO2-CARBON HYBRID PHOTOCATALYSTS FOR THE ELIMINATION OF POLLUTANTS IN LIQUID PHASE AMORÓS-PÉREZ, ANA - CANO-CASANOVA, LAURA - OUZZINE, MOHAMMED - LILLO-RÓDENAS, MARÍA ÁNGELES - ROMÁN-MARTÍNEZ, MARÍA CARMEN - KELLER, NICOLAS
0377	CARBON-COUPLED PLASMONIC SENSORS: FROM QUANTUM COUPLING TO SUBWAVELENGTH RESONANT STRAIN SENSORS ARAMESH, MORTEZA - TIEFENAUER, RAPHAEL - VÖRÖS, JANOS
0387	CARBON NANOMATERIALS AS STRUCTURAL DIRECTORS FOR THE PREPARATION OF INTERCONNECTED POROUS CARBON NETWORKS ANIA, CONCHI - GOMIS-BERENGUER, ALICIA - CALZADA, M DOLORES - CASANOVA, ANA
0409	MATERIAL AND PROCESSING VARIABLES AFFECTING THE PROPERTIES OF CARBON BONDED CARBON FIBER INSULATION GÁLLEGO, NIDIA - ROMANOSKI, GLENN - LACH, KYLE - CONTESCU, CRISTIAN - ADHIKARI, SHIBA - CLARK, ASHLI - ULRICH, GEORGE
0431	ROSIN-MEDIATED ULTRACLEAN TRANSFER OF GRAPHENE AND RELATED TWO-DIMENSIONAL MATERIALS DU, JINHONG - ZHANG, DINGDONG - REN, WENCAI - CHENG, HUI-MING
0451	MODELING CELLULOSE CONVERSION TO KEROGEN: A PATHWAY OF REVERSIBLE RARE EVENTS VALDENAIRE, PIERRE-LOUIS - PELLENG, ROLAND - ULM, FRANZ-JOSEF - LEYSSALE, JEAN-MARC
0478	AGEING MECHANISMS OF SUPERCAPACITOR CARBON ELECTRODES DETERMINED BY ELECTROCHEMICAL ON-LINE MASS SPECTROMETRY BEGUIN, FRANCOIS - PRZYGOCKI, PATRYK - ABBAS, QAMAR - RATAJCZAK, PAULA
0480	THE STATE OF WATER ADSORBED IN CARBON NANOPORES LÁSZLÓ, KRISZTINA - CZAKKEL, ORSOLYA - GEISSLER, ERIK
0509	COAL FLY ASH DERIVED NANOCOMPOSITE FOR MERCURY REMOVAL FROM WASTEWATER TAUANOV, ZHANDOS - SHAH, DHAWAL - ITSKOS, GRIGORIOS - INGLEZAKIS, VASILEIOS - MIKHALOVSKA, LYUBA - MIKHALOVSKY, SERGEY
0511	RAPID ADSORPTION OF PRO-INFLAMMATORY CYTOKINES BY GRAPHENE NANOPATELETS AND THEIR COMPOSITES MIKHALOVSKY, SERGEY - ZHENG, YISHAN - PESCATORE, NICHOLAS - GOGOTSI, YURY - DYATKIN, BORIS - INGAVLE, GANESH - MOCHALIN, VADYM - OZULUMBA, TOCHUKWU - SANDEMAN, SUSAN
0514	OPTIMIZATION OF PROCESSING PARAMETERS IN SOLUTION SPUN CNT FIBERS DEWEY, OLIVER - TAYLOR, LAUREN - PASQUALI, MATTEO
0597	HYDROLYSIS OF CELLULOSE CATALYZED BY OXIDIZED CARBON POWDER TAKATSUKI, AKIRA - NISHIHARA, HIROTOMO - HIRATANI, MASAHIKO - KANEEDA, MASATO - KURIHARA, YOSHIAKI - KYOTANI, TAKASHI
0634	TOWARDS UNKNOWN - ARE ALL CNTS' SYNTHESIS PATHWAYS ALREADY KNOWN? ILNICKA, ANNA - LUKASZEWICZ, JERZY
0663	SUSTAINABLE CARBON MATERIALS DERIVED FROM KRAFT BLACK LIQUOR AMARAL-LABAT, GISELE - F. QUIRINO, SANDRO - R BALDAN, MAURICIO - LEAL DA SILVA, ELEN - CUNA, ANDRES - F. Malfatti, CELIA - L. MARCOS, RODRIGO - FB LENZ E SILVA, GUILHERME
0701	MECHANISMS OF CNTS GROWTH. UNDERSTANDING CHIRALITY, SHAPE, PENTAGON/HEPTAGON FORMATION CATALYSIS LOBO, LUIS
0702	ANALYSIS OF BOUND POLYMER IN CARBON-RUBBER INTERFACE BY USING CARBON-COATED ALUMINA NANOPERTICLES AS A MODEL FILLER HOSHIKAWA, YASUTO - KAWAGUCHI, REI - AKAHANE, HIDENOBU - ISHII, TAKAFUMI - HOSHINO, NORIHISA - AKUTAGAWA, TOMOYUKI - YAMADA, HIROSHI - KYOTANI, TAKASHI
0728	INFLUENCE OF THE DEGREE OF OXIDATION OF GRANULAR ACTIVATED CARBON ANODES IN ARSENATE ELECTROADSORPTION SANTOYO-CISNEROS, RIGOBERTO - RANGEL-MENDEZ, JOSE RENE - GONZALEZ-LARA, MARIO ALBERTO - CHAZARO-RUIZ, LUIS FELIPE

Keynotes Index

Click on the title to view the Extended abstract

Code	Title
0745	VERSATILE AND SCALABLE APPROACHES TO CHEMICAL PROCESSING OF NANOCARBONS SHAFFER, MILO
0778	IONOTHERMAL NANOPOROUS CARBONS: SUPERIOR ADSORBENTS FOR DICLOFENAC AND SULFAMETHOXAZOLE REMOVAL FROM SYNTHETIC WASTEWATER MESTRE, ANA SOFIA - GONÇALVES, RAQUEL - VIGNERON, VALENTINE - LEMAIRE, STEPHANIE - FREIRE, CRISTINA - CARVALHO, ANA PAULA
0801	CARBON ELECTRODE MODIFICATION FOR EXTENSION OF THE CAPACITOR VOLTAGE FRACKOWIAK, ELZBIETA - SLESINSKI, ADAM - FIC, KRZYSZTOF
0846	CONSISTENCY OF CARBON PSD CHARACTERIZATION METHODS BASED ON 2D-NLDFT MODELS APPLIED TO ADSORPTION DATA OF AR, N2, AND O2 JAGIELLO, JACEK - KENVIN, JEFF
0884	ADVANCES ON NOBLE METAL-FREE ELECTROCATALYSTS BASED ON CARBON FOR ENERGY CONVERSION DEVICES SEBASTIAN, DAVID - LEMES, GIOVANNI - LUQUE-CENTENO, JOSE MANUEL - MARTINEZ-HUERTA, MARIA VICTORIA - PASTOR, ELENA - LAZARO, MARIA JESUS
0919	GRAPHITIZATION OF ACTIVATED CARBON OBTAINED FROM LOCAL BIOMASS (BABASSU) AND THEIR ELECTROCHEMICAL PROPERTIES GHOSH, ANUPAMA - DO AMARAL RAZZINO, CLAUDIA - DASGUPTA, ARCHI - FUJISAWA, KAZUNORI - R. ALVES DA CUNHA, JOSE - O. LOBO, ANDERSON - ROBINSON, JOSHUA - TERRONES, MAURICIO - VIANA, BARTOLOMEU
0937	DOPED GRAPHENE: SYNTHESIS AND SUPERIOR MOLECULAR SENSING TERRONES, MAURICIO
1057	ADVANCED CARBON MATERIALS BY ELECTROSPINNING OF LIGNIN RODRIGUEZ-MIRASOL, JOSE - GARCIA-MATEOS, FRANCISCO JOSE - CORDERO, TOMAS



Oral
Index

Code	Title
0006	THE INFLUENCE OF THE FLOW PATTERN OF THE CONTAMINATED AIR ON THE ADSORPTION BEHAVIOUR OF AN ACTI-VATED CARBON FILTER. LODEWYCKX, PETER - WINDEY, BRECHT - VAN RIET, ROMUALD
0015	CU2O ON 1-OCTYL-3-METHYLIMIDAZOLIUM CHLORIDE ASSISTED GRAPHITE SHEETS AS EFFICIENT ELECTROCATALYST FOR CO2 REDUCTION NING, HUI - WANG, WENHANG - MAO, QINHU - WU, MINGBO
0023	ELECTROTHERMAL VAPORIZATION-INDUCTIVELY COUPLED PLASMA-MASS SPECTROMETRY OF ISOSTATICALLY PRESSED FINE GRAIN CARBON JOKANOVIC, BOJAN - LIERFELD, THOMAS - LATZEL, SABINE - CHODURA, ALFRED
0025	BOTTOM-UP DESIGN OF NITROGEN-CONTAINING CARBON CATALYSTS FOR OXYGEN REDUCTION REACTION SHIBUYA, RIKU - KONDO, TAKAHIRO - NAKAMURA, JUNJI
0029	DIFFERENT IMPACT OF REDUCED GRAPHENE OXIDE ON PHOTOCATALYTIC WATER SPLITTING SYSTEMS WOHLRAB, SEBASTIAN - SONNECK, MARCEL
0030	SINGLE WALLED CARBON NANOTUBE (SWCNT) BASED STRETCHABLE STRAIN SENSOR AHUJA, PREETY - KUKOBAT, RADOVAN - KANEKO, KATSUMI
0031	STRUCTURE-PERFORMANCE RELATIONSHIPS OF CARBON-SUPPORTED IRON NANOPARTICLES IN THE FISCH-ER-TROPSCH SYNTHESIS OF SHORT OLEFINS OSCHATZ, MARTIN - LAMA, SANDY - ANTONIETTI, MARKUS - DE JONG, KRIJN
0032	ELECTROCHEMICALLY EXFOLIATED GRAPHENE: PRODUCTION, HYBRIDIZATION AND ELECTROCHEMICAL APPLICATION WANG, JUNZHONG - WANG, JUNYING
0033	NEW PROCESS FOR EFFICIENT CO2 CAPTURE BY INNOVATIVE ADSORBENTS BASED ON MODIFIED GRAPHENE AERO-GELS AND MOF MATERIALS BENEDITO BORRÁS, ADOLFO
0034	TOWARDS BETTER UNDERSTANDING OF ION STORAGE/DIFFUSION MECHANISM IN SUPERCAPACITORS BASED ON HIERARCHICAL POROUS CARBONS YAN, RUNYU - OSCHATZ, MARTIN - ANTONIETTI, MARKUS
0035	INTERFACIAL CHARGE TRANSFER IN GRAPHENE-BASED 'HYBRIDS' WITH TRANSITION METAL OXIDES USING IN-SITU RAMAN SPECTROSCOPY GUPTA, SANJU
0040	CARBON NANOSPHERES FOR IN-SITU IMPROVEMENT OF HEAVY CRUDE OILS IN OXIDIZING AND INERT ATMOSPHERES BETANCUR MARQUEZ, STEFANIA - FRANCO ARIZA, CAMILO ANDRES - MALDONADO HODAR, FRANCISCO JOSÉ - CARRASCO MARIN, FRANCISCO - CORTES CORREA, FARID BERNARDO
0044	CARBON AEROGELS FOR ELECTROCHEMICAL APPLICATIONS CANAL RODRÍGUEZ, MARÍA - REY RAAP, NATALIA - ARENILLAS PUENTE, ANA - MENÉNDEZ DÍAZ, JOSE ÁNGEL
0047	ROOM TEMPERATURE SYNTHESIS OF GRAPHITIC POROUS CARBON NANOSTRUCTURES CASCO, MIRIAN ELIZABETH - TOLOSA, AURA - PRESSER, VOLKER - BADACZEWSKI, FELIX - SMARSLY, BERND - BORCHARDT, LARS
0050	TRUNCATED OCTAHEDRAL TiO2/Fe2O3 NANOPARTICLES WITH GRAPHENE SUPPORTS FOR WATER TREATMENT APPLI-CATIONS YÜRÜM, ALP - GOHARI BAJESTANI, ZAHRA - YURUM, YUDA
0052	FUNCTIONALIZATION OF FEW LAYER GRAPHENE FOR DESIGNING HETEROGENEOUS CATALYSTS BASED ON ORGANO-METALLIC COMPOUNDS NÁJERA-DOMINGO, CARMEN - SANSANO-GIL, JOSÉ MIGUEL - FERRÁNDIZ-SAPERAS, MARCOS - GHISOLFI, ALESSIO - CAZOR-LA-AMORÓS, DIEGO
0053	NANOCASTING IN BALL MILLS - COMBINING ULTRA-HYDROPHILICITY AND ORDERED MESOPOROSITY IN CARBON MATERIALS EN, ZHANG - LARS, BORCHARDT - STEFAN, KASKEL
0055	CCVD SYNTHESIS OF GRAPHENE RELATED MATERIALS USING STAINLESS STEEL FOAMS AS STRUCTURED CATALYSTS MONZON, ANTONIO - TARIFA, PILAR - SEBASTIÁN, VÍCTOR - LATORRE, NIEVES - ROMEO, EVA - CAZAÑA, FERNANDO
0056	MECHANICAL BEHAVIOR OF 3D CARBON/CARBON COMPOSITES : THE ROLE OF INTERNAL INTERFACES GILLARD, ADRIEN P. - COUEGNAT, GUILLAUME - CHUPIN, SYLVAIN - VIGNOLES, GERARD L.
0057	CONVERSION OF ORGANIC CRYSTALS INTO ORDERED CARBONACEOUS FRAMEWORKS WITH MICROPOROSITY NISHIHARA, HIROTOMO - MATSUURA, KENTA - OHWADA, MAO - MATSUO, YOSHIAKI - MARUYAMA, JUN - HAYASAKA, YUICHIRO - YAMAGUCHI, SHINGI - KAMIYA, KAZUhide - TANI, FUMITO - KYOTANI, TAKASHI
0058	PYROLYSIS STUDY OF OIL PALM SHELLS WITH THE NOT REACTED CORE MODEL GÁMEZ, SEBASTIÁN - DE LA TORRE, ERNESTO
0059	BIO-BASED ELECTRODE MATERIALS FOR ENERGY STORAGE TECHNOLOGIES (ELECTROCHEMICAL DOUBLE-LAYER CAPACITORS) HOFFMANN, VIOLA - CORREA RODRIGUEZ, CATALINA - KRUSE, ANDREA

Code	Title
0060	MALACHITE GREEN DYE REMOVAL FROM WATER USING DATE PIT DERIVED ACTIVATED CARBON HIJAB, MOHAMMAD - SALI, SAFAE - MACKEY, HAMISH - MCKAY, GORDON
0068	ANIONIC FUNCTIONALIZATION OF NANOCARBONS: A POWERFUL AND VERSATILE TOOL SHEET, DEBOBRATA - RIAnt, OLIVIER - HERMANS, SOPHIE - ANTONIN, DESMECHT
0072	ABLATION BEHAVIOR OF C/C-ZRC-SiC COMPOSITES UNDER OXYACETYLENE TORCH AT TWO HEAT FLUXES LI, KEZHI
0073	IN-SITU MEASUREMENT OF THE IN-PLANE STRUCTURE CHANGE OF GRAPHITE ANODE OF LI ION BATTERY DURING THE CHARGE/DISCHARGE PROCESS FUJIMOTO, HIROYUKI - TAKAGI, SHIGEHARU - KIUCHI, HISAO - NAKA, TAKAHIRO - MATSUBARA, EIICHIRO - UKYO, YOSHIO - ABE, TAKESHI - OGUMI, ZEMPACHI
0076	TURBOSTRATIC POLYHEDRAL CARBON NANO-ONIONS SELECTIVELY SYNTHESIZED BY ARC DISCHARGE IN WATER ALESSANDRO, FRANCESCA - SCARCELLO, ANDREA - BASANTES VALVERDE, MARLON DANILO - COELLO FIALLOS, DIANA CAROLI-NA - OSMAN, SALIH MOHAMMED - CUPOLILLO, ANNA - ARIAS, MELVIN - DE LUCA, GIORGIO - CURCIO, EFREM - CAPUTI, LORENZO SALVATORE
0079	CHARACTERIZATION OF CARBON PROPERTIES INFLUENCING ON BATTERY PERFORMANCE TAKAGI, SHIGEHARU - FUJIMOTO, HIROYUKI - KIUCHI, HISAO - NAKA, TAKAHIRO - MATSUNAGA, TOSHIYUKI - UKYO, YOSHIO - FUKUNAGA, TOSHIHARU - ABE, TAKESHI - OGUMI, ZEMPACHI - MATSUBARA, EIICHIRO
0080	EFFECTIVE ADSORPTIVE REMOVAL OF GALLIUM ON SYNTHESIZED MESOPOROUS CARBONS BERNABÉ VÍRSEDA, IGNACIO - SÁEZ GONZALEZ, PATRICIA - GÓMEZ MARTÍN, JOSÉ MARÍA - DíEZ ALCÁNTARA, EDUARDO - RODRÍ-GUEZ RODRÍGUEZ, ARACELI
0082	DETERMINING MICROPORE SIZE DISTRIBUTIONS AND MECHANICAL PROPERTIES OF MICROPOROUS CARBONS USING ADSORPTION-INDUCED STRAINS BALZER, CHRISTIAN - REICHENAUER, GUDRUN
0083	TEMPERATURE DEPENDENCES OF COEFFICIENT OF THERMAL EXPANSION WITH DIFFERENT TYPE OF ARTIFICIAL GRAPHITE IWASHITA, NORIO
0084	ELECTRICAL DOUBLE LAYER CAPACITORS – FINDINGS FROM FUNDAMENTAL RESEARCH AND THEIR IMPACT ON THE DESIGN OF STORAGE DEVICES LORRMANN, VOLKER - WIENER, MATTHIAS - REICHENAUER, GUDRUN
0086	TEMPLATE-FREE SYNTHESIS OF POROUS “NOBLE” CARBON-NITRIDE MATERIALS WITH HIGH SURFACE POLARITY FOR SELECTIVE GAS ADSORPTION WALCZAK, RALF - ANTONIETTI, MARKUS - OSCHATZ, MARTIN
0090	PREPARATION AND CHARACTERIZATION OF BIO-BASED ACTIVATED CARBON MATERIALS FOR USE AS SUPERCAPACI-TOR ELECTRODES BREITENBACH, STEFAN - UNTERWEGER, CHRISTOPH - FÜRST, CHRISTIAN - HASSEL, ACHIM WALTER
0093	3D PRINTING OF HIERARCHICALLY STRUCTURED HIGH SURFACE AREA ACTIVATED CARBONS STELDINGER, HENDRYK - GLÄSEL, JAN - ETZOLD, BASTIAN J.M.
0095	THE „IN-SITU ELECTROLYTE” CONCEPT – A HOLISTIC SYNTHESIS STRATEGY TOWARDS CARBON-BASED SUPERCAPACITORS LEISTENSCHNEIDER, DESIRÉE - SCHNEIDERMANN, CHRISTINA - TROSCHE, ERIK - GRÄTZ, SVEN - BORCHARDT, LARS
0103	SYNTHESIS OF NANOCARBONACEOUS MATERIALS BY DECOMPOSITION OF METHANE USING CATALYSTS OF MN-ME(NI,CO)/CB. MONZON, ANTONIO - CAZAÑA, FERNANDO - SEBASTIÁN, VÍCTOR - LATORRE, NIEVES - ROMEO, EVA - ROYO, CARLOS - TARIFA, PILAR
0104	CARBON NANOTUBE CONTAINING POLYACRYLONITRILE MATERIALS FOR THE EFFICIENT OXYGEN EVOLUTION REAC-TION – A CONDUCTIVITY STUDY BEINE, ANNA KATHARINA - BROICHER, CORNELIA - HU, QINGTAO - MAYERL, LISA - LU, AN-HUI - PALKOVITS, REGINA
0105	TUNING ELECTRONIC PROPERTIES OF CARBON NANOTUBES VIA OXYGEN PLASMA – EXPERIMENTAL AND THEORETI-CAL APPROACH DUCH, JOANNA - MAZUR, MICHAL - GOLDA-CEPA, MONIKA - PISKORZ, WITOLD - KOTARBA, ANDRZEJ
0107	NITROGEN-DOPED BIOMASS-DERIVED CARBON BY MECHANOCHEMICAL SYNTHESIS FOR ELECTROCHEMICAL ENER-GY STORAGE SCHNEIDERMANN, CHRISTINA - KENSY, CHRISTIAN - GIEBELER, LARS - BORCHARDT, LARS
0110	PREPARATION AND ELECTROMAGNETIC WAVE ABSORBING PROPERTIES OF 3D GRAPHENE/PINE NEEDLE-LIKE IRON NANO-ACICULAR WHISKER COMPOSIT ZHAO, TINGKAI
0112	THE ELECTROCHEMICAL DECONSOLIDATION MECHANISM OF GRAPHITE MATRIX IN HTR SPHERICAL FUEL ELEMENTS CHEN, XIAOTONG - ZHANG, CHI - LU, ZHENMING - LIU, BING

Code	Title
0116	STRUCTURAL CHARACTERISATION OF HEAT-TREATED CARBON: FROM MOLECULE-LIKE TO CRYSTALLINE CARBON SCHUEPFER, DOMINIQUE B. - BADACZEWSKI, FELIX - GUERRA, JUAN-MANUEL - HOFMANN, DETLEV M. - SMARSLY, BERND M. - HEIL-IGER, CHRISTIAN - KLAR, PETER J.
0120	BIOACTIVE COATINGS ON CARBON FIBER FOR BONE TISSUE APPLICATION ZHANG, LEILEI
0123	MULTI-FUNCTIONAL CARBON FIBRES FOR HIGH-DENSITY ENERGY STORAGE IN LITHIUM-SULFUR-BATTERIES TOM, BOENKE - PAUL, HÄRTEL - SUSANNE, DÖRFLER - STEFAN, KASKEL
0125	RUTHENIUM SUPPORTED ON VARIOUS CARBON MATERIALS FOR SUGAR HYDROGENATION SANTOS, JOSE LUIS - AHO, ATTE - MURZIN, DMITRY - CENTENO, MIGUEL ANGEL - ODRIOZOLA, JOSE ANTONIO
0128	N-SITU SAXS STUDY OF EXFOLIATION AND REDUCTION PROCESSES OF GO POWDER AND AQUEOUS SUSPENSION SYSTEMS DURING HEATING HERNANDEZ BELMARES, PERLA JANETTH - RODRIGUEZ FERNANDEZ, OLIVERIO - HERNANDEZ HERNANDEZ, ERNESTO - GONZALEZ MORONES, PABLO - MATA PADILLA, JOSE MANUEL - GALLARDO VEGA, CARLOS A.
0130	TOWARDS SUSTAINABLE ENERGY STORAGE: RECENT DEVELOPMENTS IN DUAL-CARBON BATTERIES TOBIAS, PLÄCKE - ANDREAS, HECKMANN - KOLJA, BELTROP - MARTIN, WINTER
0132	DIFFERENTIAL RAMAN BACKSCATTERING CROSS SECTIONS OF BLACK CARBON NANOPARTICLES LE, KIM CUONG - LEFUMEUX, CHRISTOPHE - PINO, THOMAS
0133	THE ADVENT OF SOOT NANOSTRUCTURE AND SOOT EVOLUTION BY RAMAN, FAR-UV TO MID-IR SPECTROSCOPIES AND HRTEM LE, KIM CUONG - GAVILAN, LISSETH - PRÉ, PASCALINE - DELDICQUE, DAMIEN - DARTOIS, EMMANUEL - ROUZAUD, JEAN-NOËL - PINO, THOMAS
0135	SYNTHESIS AND CHARACTERIZATION OF CARBON-BASED ION IMPRINTED MATERIALS FOR SELECTIVE RECOGNITION AND RECOVERY OF LITHIUM ION LIU, WEIFENG - AN, ZHUOLIN - YAN, GUGANG - LIANG, QI - QIN, LEI - LIU, XUGUANG - YANG, YONGZHEN - XU, BINGSHE
0137	IMPROVED BRIGHTNESS OF CARBON DOT-BASED ELECTROLUMINESCENT LEDS VIA BLENDING PVK IN EMITTING LAYER XU, JIACONG - ZHENG, JINGXIA - DING, YUANFEI - MIAO, YANQIN - YANG, YONGZHEN - LIU, XUGUANG - JIA, HUSHENG
0139	THE FILMS DERIVED FROM SOL-GEL BASED SWCNT INKS KUKOBAT, RADOVAN - KANEKO, KATSUMI
0141	POLYACRYLONITRILE FIBERS CONTAINING THIN-LAYER GRAPHENE PARTICLES AS PRECURSORS FOR CARBON FIBERS MIRKO, RICHTER - NGUYEN HOAI AN, TRAN - ROLF-DIETER, HUND - CHERIF, CHERIF - WOLZ, DANIEL SEBASTIAN - ROMANÍ VÁZQUEZ, ADRIÁN - SHAYGAN NIA, ALI - LOHE, MARTIN R. - BÖHM, ROBERTO - FENG, XINLIANG - JÄGER, HUBERT
0145	MODIFIED CARBON XEROGEL CATALYSTS FOR SELECTIVE HYDROLYSIS OF BIOMASS: THE IMPACT OF SURFACE CHEMISTRY AND ACTIVE SITES MORAWA EBLAGON, KATARZYNA - MALAIKA, ANNA - R PEREIRA, MANUEL FERNANDO - FIGUEIREDO, JOSE LUIS
0146	THERMOCHEMICAL CONVERSION DURING STABILISATION OF LIGNIN/PAN BLENDED PRECURSOR AND THEIR EFFECT ON POROSITY BENJAMIN, RICHTER
0149	MICROSTRUCTURE AND ABLATION MECHANISM OF SIC-ZRC-AL2O3 COATING FOR SIC COATED C/C COMPOSITES UNDER OXYACETYLENE TORCH TEST GUO, LINGJUN
0150	ACTIVATED CARBON-BASED P-FE NANOCOMPOSITES FOR THE ADSORPTION AND PHOTODEGRADATION OF METHYLENE BLUE UNDER SOLAR IRRADIATION MATOS, JUAN - MONTAÑA, RICMARY - GONCALVES, GUSTAVO R. - SCHETTINO JR., MIGUEL A. - PASSAMANI, EDSON C. - FREITAS, JAIR C.C
0151	ZIFS-DERIVED NIXCO3-XO4/CNTS NANOCOMPOSITES WITH ENHANCED ELECTROCHEMICAL PERFORMANCE FOR SUPERCAPACITOR XUE, BEI
0154	AN EXPERIMENTAL AND MOLECULAR SIMULATION STUDY OF THE STRENGTHENING OF CNT FIBERS THROUGH GRAPHENE OXIDE INTERLOCKING LU, WEIBANG - QU, SHUXUAN - GONG, WENBIN - ZHOU, GENHENG - JIANG, JIN
0157	DIRECT RESISTIVE HEATING OF CARBON FIBERS: USE FOR CARBONIZATION/GRAPHITIZATION OF CARBON FIBER TEXTILES OR CFRP RECYCLING KLOIBER, VERENA - PAMPEL, JONAS - LEHMANN, BEATA - DIETZEL, YVETTE - DÖRFLER, SUSANNE - KASKEL, STEFAN - BEYER, ECKHARD
0165	EFFECT OF OXYGEN AND HYDROGEN ON MICROSTRUCTURE OF PYROLYTIC CARBON DEPOSITED FROM THERMAL DECOMPOSITION OF METHANE AND ETHAN REN, BIYUN

Code	Title
0168	THEORETICAL MODEL FOR STRUCTURE DETERMINATION OF HIERARCHICALLY STRUCTURED CARBON NANOTUBE YARN PARK, JUNBEOM - LEE, JAEGEUN - LEE, SUNG-HYUN - LEE, KUN-HONG - KIM, SEUNG MIN
0171	STRUCTURE AND DYNAMICS OF NANOCRYSTALLINE GRAPHENE AT HIGH TEMPERATURES REVEALED BY IN SITU TRANSMISSION ELECTRON MICROSCOPY SHYAM KUMAR, C.N. - CHAKRAVADHANULA, VENKATA SAI KIRAN - CHAKRAVADHANULA, VENKATA SAI KIRAN - DEHM, SIMONE - WANG, DI - KRUPKE, RALPH - KÜBEL, CHRISTIAN
0172	REACTIVITY OF FREE AND TRAPPED CHARGE CARRIERS OF PHOTOEXCITED NANOPOROUS CARBONS GOMIS-BERENGUER, ALICIA - LIMA, JOAO CARLOS - ANIA, CONCHI
0173	IMPROVED H2S AND HG REMOVAL FROM NATURAL GAS USING PETCOKE DERIVED ADSORBENTS ANIA, CONCHI - GARCIA-GONZALEZ, RAQUEL - RODRIGUEZ-TROBAJO, JAIME - L. FLORES-LOPEZ, SAMANTHA - CONCHESO, ALEJANDRO - VALERA, MARIA EUGENIA - PEÑA, JOWAR - LOPEZ-ANTON, MARIA ANTONIA - MONTES-MORAN, MIGUEL A. - MOREN-VIRGEN, M.ROSARIO - PARRA, JOSE B. - MARTINEZ-TARAZONA, ROSA M. - D'ELIA CAMACHO, LUIS FELIPE
0175	GRAPHENE FOR BIOAPPLICATIONS: PREPARATION, CYTOTOXICITY AND INTEGRATION IN 3D SCAFFOLDS VÁZQUEZ, ESTER
0176	NOVEL METHODS TO TAILOR TRANSPORT POROSITY OF CURED PHENOLIC RESINS AND DERIVED CARBON MATERIALS KOZYNCHENKO, OLEKSANDR - DIAS-AUNON, JOSE ANTONIO
0177	EFFECTS OF OXIDATION DEGREE ON ACTIVATED CARBON FIBER FELT FOR SUPERCAPACITOR ELECTRODE SALDANHA MARCUZZO, JOSSANO - CASTILHO RODRIGUES, ALINE - DA SILVA PINHEIRO, BARBARA - CUÑA, ANDRES - TADAO MATSUSHIMA, JORGE - RIBEIRO BALDAN, MAURICIO - FONTANA BATISTA, ALINE
0182	CATALYTIC SYNTHESIS OF MULTIWALLED CARBON NANOTUBES ON FOSSILIZED BIOSILICA SUBSTRATE NAZHIPKYZY, MERUYERT - ZHALGASBAIKYZY, AIGERIM - ZHAPAROVA, AIZHAN - NURGAIN, ARAILYM - MANSUROV, ZULKHAIR - TEMIRGALIYEVA, TOLGANAY - LESBAYEV, BAKHYTZHAN - PRIKHODKO, NIKOLAY - TULEPOV, MARAT
0185	FACILE SYNTHESIS OF NOVEL BOWL-LIKE HOLLOW CARBON SPHERES BY COMBINATION OF HYDROTHERMAL CARBONIZATION AND SOFT TEMPLATING QIN, MINGLI - ZHANG, ZILI - JIA, BAORUI - WU, HAOYANG
0186	HIGH-PERFORMANCE SUPERCAPACITORS FROM PHOSPHORUS, NITROGEN AND OXYGEN CO-DOPED SPHERICAL POLYMER-BASED CARBONS HUANG, CONGCONG - PUZII, ALEXANDER M. - PODDUBNAYA, OLGA I. - HULICOVA-JURCAKOVA, DENISA - SOBIESIAK, MAGDALENA - GAWDZIK, BARBARA
0188	TRANSFORMATION OF POLYIMIDE COPOLYMER TO NANOPOROUS CARBON ALONG HEAT TREATMENT WITH PHOSPHORIC ACID SOBIESIAK, MAGDALENA - GAWDZIK, BARBARA - PODDUBNAYA, OLGA I. - PUZII, ALEXANDER - SPRYNSKY, MYROSLAW
0192	ELECTROCHEMICAL FUNCTIONALIZATION OF CARBON MATERIALS WITH NITROGEN AND PHOSPHORUS CONTAINING COMPOUNDS QUINTERO-JAIME, ANDRÉS FELIPE - GHISOLFI, ALESSIO - CAZORLA-AMORÓS, DIEGO - MORALLÓN-NÚÑEZ, EMILIA
0193	ELECTROCHEMICAL IMMUNOSENSOR BASED ON CARBON NANOTUBES DECORATED WITH GOLD NANOPARTICLES FOR THE DETECTION OF PSA QUINTERO-JAIME, ANDRES FELIPE - BERENGUER-MURCIA, ANGEL - CAZORLA-AMOROS, DIEGO - MORALLON-NUÑEZ, EMILIA
0194	PREPARATION OF COAL LIQUEFACTION RESIDUES-BASED CARBON NANOFIBER NONWOVEN FABRIC LI, XIAO - TIAN, XIAODONG - HE, YITING - LIU, WENHONG - SONG, YAN - LIU, ZHANJUN
0195	RAPID CO2 ACTIVATION OF CARBON GELS USING MICROWAVE HEATING MUKAI, SHIN - FUKUMITSU, DAISUKE - IWAMURA, SHINICHIROH - YOSHIKAWA, MASAAKI
0198	THERMAL CONTACT RESISTANCE OF VARIOUS CARBON NANOMATERIAL-BASED EPOXY COMPOSITES DEVELOPED FOR THERMAL INTERFACE APPLICATIONS ALI RAZA, MOHSIN - WESTWOOD, AIDAN - STIRLING, CHRIS
0201	CHARGE/DISCHARGE PROPERTIES OF SULFUR MOLECULES CONFINED IN 1D CARBON NANOSPACES URITA, KOKI - FUJIMORI, TOSHIHIKO - NOTOHARA, HIROO - MORIGUCHI, ISAMU
0203	HARD CARBON MATERIALS FOR SODIUM ION BATTERIES (NIBS) BEDA, ADRIAN - TABERNA, PIERRE-LOUIS - SIMON, PATRICE - GHIMBEU, CAMÉLIA
0205	UNDERSTANDING OF ORR BY EXAMINING CARBON-OXYGEN GASIFICATION REACTION AND ACTIVE SITES ON METAL AND HETEROATOMS FREE CARBONS GABE, ATSUSHI - RUIZ-ROSAS, RAMIRO - MORALLÓN, EMILIA - CAZORLA-AMORÓS, DIEGO
0206	ALKALI METAL HALIDE AQUEOUS ELECTROLYTE BATTERIES USING SINGLE-WALLED CARBON NANOTUBES KAWASAKI, SHINJI - LI, CANGHAO - KATO, NAO - ISHII, YOSUKE

Code	Title
0209	PORE STRUCTURE AND SURFACE CHEMICAL STATE OF MESOPOROUS CARBONS DERIVED FROM MGO TEMPLATE PROCESS ANZAI, MIZUHO
0210	PORE-SIZE SENSITIVE CO-ION ASSOCIATION OF IONIC LIQUIDS IN CARBON NANOPORES FUTAMURA, RYUSUKE - IIYAMA, TAKU - GOGOTSI, YURY - BIGGS, MARK - SALANNE, MATHIEU - SIMON, PATRICE - KANEKO, KATSUMI
0212	CHARGE-DISCHARGE CHARACTERISTICS OF GRAPHENE LIKE GRAPHITE PARTIALLY REDUCED BY LITHIUM METAL MATSUO, YOSHIAKI - SHUNYA, SHUNYA - INAMOTO, JUN-ICHI - MAEDA, KATSUMI - TAMURA, NORIYUKI
0226	SYNTHESIS OF CARBON FILAMENTS AND HIERARCHICAL COMPOSITES VIA NON-CATALYTIC DECOMPOSITION OF HA-LOGENATED HYDROCARBONS BAUMAN, YURI - MISHAKOV, ILYA - VEDYAGIN, ALEKSEY
0228	SYNTHESIS OF CARBON NANOTUBE FIBER USING HYDROCARBON WITH LOW DECOMPOSITION TEMPERATURE IN THE VAPOR PHASE LEE, SUNG-HYUN - KIM, HYE-RIM - LEE, HAEMIN - PARK, JUNBEOM - LEE, KUN-HONG - MIN KIM, SEUNG - LEE, JAEGEUN
0230	MODELLING PHYSICAL ADSORPTION ON FINITE OBJECTS USING 3 DIMENSIONAL NON-LOCAL DENSITY FUNCTIONAL THEORY 1: INITIAL STUDY OLIVIER, JAMES
0231	SELECTIVE CONTROL OF SURFACE HYDROPHILICITY DEPENDING ON PORE SIZE OF POROUS CARBON MATERIALS YU, YAO - NAKABAYASHI, KOJI - YOON, SEONG-HO - MIYAWAKI, JIN
0234	NOVEL ONE POT GREEN APPROACH FOR SYNTHESIS OF WELL EXFOLIATED MULTILAYER NITROGEN-DOPED GRAPHENE NANOSHEETS MOHAMED, MARWA - HAMAD, HESHAM - ELESSAWY, NOHA - CARRASCO-MARÍN, FRANCISCO
0237	ULTRAFAST HYDROTHERMAL ASSEMBLY OF NANOCARBON MICROFIBERS IN NEAR-CRITICAL WATER CHEN, YUAN - ZHAI, SHENGLI
0244	POROUS THERMOSET POLYMERS DERIVED BY HUMINS BIOREFINERY SIDE STREAM TOSI, PIERLUIGI - MIJA, ALICE - VAN KLINK, GERARD
0248	EXCELLENT ORR CATALYSTS BASED ON N-DOPED CARBON MATERIALS PREPARED THROUGH HEAT TREATMENT OF PANI AT HIGH TEMPERATURES QUILEZ-BERMEJO, JAVIER - MORALLÓN, EMILIA - CAZORLA-AMORÓS, DIEGO
0249	GLUCOSE-DERIVED CARBONS/CARBON NANOTUBE HYBRIDS FOR THE OXYGEN REDUCTION REACTION REY-RAAP, NATALIA - G. MORAIS, RAFAEL - FIGUEIREDO, JOSÉ LUÍS - R. PEREIRA, M. FERNANDO
0250	PREPARATION OF 3D-PRINTED GRAPHENE MONOLITHS AND THEIR APPLICATION AS WET PEROXIDE OXIDATION CATALYSTS FOR WASTEWATER TREATME QUINTANILLA, ASUNCION - CASAS, JOSE ANTONIO - MIRANZO, PILAR - OSENDI, MARIA ISABEL - BELMONTE, MANUEL
0251	TAILORING POROUS CARBON FIBRES FOR ENERGY STORAGE IN THE STABILISATION PROCESS WOLZ, DANIEL SEBASTIAN - RICHTER, BENJAMIN - BÖHM, ROBERT - JÄGER, HUBERT - RICHTER, MIRKO - TRAN, NGUYEN HOAI AN - CHERIF, CHOKRI - HÄRTEL, PAUL - BÖNKE, TOM - KASKEL, STEFAN
0261	IMPROVING ELECTRICAL CONDUCTIVITY AND ELASTICITY OF CARBON NANOTUBE COMPOSITES FOR FLEXIBLE AND STRETCHABLE ELECTRONICS HWANG, JI-YOUNG - LEE, SANG-HOON - SHIN, UEON SANG - CHOI, YOUNG CHUL
0264	CARBON NANODOTS FOR BIOLOGICAL APPLICATIONS RYBARCZYK, MARIA K. - GONTAREK, EMILIA - OLLIK, KAROLINA - LIEDER, MAREK
0265	VALORIZATION OF WASTED COFFEE POWDER FROM COFFEE-MACHINE AS ACTIVATED CARBONS BY SALT SHIELD PROCESS MESA-BRIBIAN, ELENA M. - ALVAREZ-RODRIGUEZ, JESUS - MAROTO-VALIENTE, ANGEL
0266	SYNTHETIC PROCESS OF C@AL2O3 HYBRIDS WITH HYDROPHOBIC AND MAGNETIC PROPERTIES FOR ENVIRONMEN-TAL APPLICATIONS ORTEGA-MORENO, M JOSE - ALVAREZ-RODRIGUEZ, JESUS - MAROTO-VALIENTE, ANGEL
0268	SINGLE-WALLED CARBON NANOTUBES AS FILLERS IN NANOSTRUCTURED TITANIUM DIOXIDE ELECTRODES ANSÓN-CASAOS, ALEJANDRO - HERNÁNDEZ-FERRER, JAVIER - SANTIDRIÁN, ANA - GARCÍA-BORDEJÉ, ENRIQUE - BENITO, ANA - MASER, WOLFGANG
0275	ACTIVE CARBON MONOLITHS FROM BROWN COAL PARSA, MEHRDAD - QI, EMMA - CHAFFEE, ALAN L
0276	THE ACTIVE SITE, DOPING EFFECT AND REACTION PATHWAY OF THE DEHYDROGENATION OF ALKANES ON THE NANO-STRUCTURED CARBON CATALYST LI, BO
0279	SOLVENT-FREE SOFT-TEMPLATING SYNTHESIS OF MESOPOROUS CARBONS FOR ELECTROCHEMICAL CAPACITORS NISHIYAMA, NORIKAZU - YOSHIDA, NAO - HIROTA, YUICHIRO - UCHIDA, YOSHIAKI - ASADA, TOSHIHIRO - KOBAYASHI, NAOYA

Code	Title
0283	ENGINEERED GRAPHENE QUANTUM DOTS FOR CATALYSIS CHEN, PENG
0284	BACTERIA-ASSISTED SYNTHESIS OF CARBON -INORGANIC NANOPARTICLES COMPOSITES KOTARBA, ANDRZEJ - DUCH, JOANNA - GOLDA-CEPA, MONIKA - ZAPRZALSKA, ALICJA - OCHOŃSKA, DOROTA - BRZYCH-CZY-WŁOCH, MONIKA - INDYKA, PAULINA - SOJKA, ZBIGNIEW
0285	ONE-DIMENSIONAL LINEAR CARBON CHAINS: FROM POLYYNE TO CARBYNE SHI, LEI - ROHRINGER, PHILIP - LAPIN, ZACHARY J - HEEG, SEBASTIAN - NOVOTNY, LUKAS - CAMBRE, SOFIE - WENSELEERS, WIM - WASSERROTH, SÖREN - REICH, STEPHANIE - WANKO, MARIUS - RUBIO, ANGEL - SUENAGA, KAZU - AYALA, PAOLA - KUZMANY, HANS - PICHLER, THOMAS
0287	BINDERLESS ORDERED MESOPOROUS CARBON MONOLITHS FROM LOW VALUE COAL TAR-DERIVED PRODUCTS CASTRO-MUÑIZ, ALBERTO - LORENZO-FIERRO, SARA - MARTÍNEZ-ALONSO, AMELIA - TASCÓN, JUAN MD - SUÁREZ-GARCÍA, FABIÁN - PAREDES, JUAN I
0288	GRAPHENE-POLY(E-CAPROLACTONE) MIXED-MATRIX FILMS MODULATE THE DIFFERENTIATION OF NEURAL PROGENI-TOR CELLS SANCHEZ-GONZALEZ, SANDRA - BIANCHI, FABIO - YE, HUA - URTIAGA, ANE - DIBAN, NAZELY
0291	REAL-TIME OBSERVATION OF CARBON BLACK PARTICLE IN AN ENVIRONMENTAL TRANSMISSION ELECTRON MICRO-SCOPE NASERI, ALI - SEDIAKO, ANTON - THOMSON, MURRAY
0295	IMPROVING THE ACTIVITY OF PD/C CATALYSTS USING N-DOPED SUPPORTS OBTAINED BY MODIFICATION OF COM-MERCIAL ACTIVATED CARBONS RUIZ-GARCÍA, CRISTINA - HERAS, FRANCISCO - ALONSO-MORALES, NOELIA - CALVO, LUISA - GILARRANZ, MIGUEL A - RODRIGUEZ, JUAN J
0296	STUDY ON SEPARATING GRAPHITE FROM HTGR ELEMENTS BY ELECTROCHEMICAL METHOD WEN, MINGFEN - WANG, SHUWEI - CHEN, JING
0301	LIGNIN-BASED CARBON FIBRES: AN APPROACH TOWARDS NEW MARKET PERSPECTIVES FÖLLMER, MARIE - JESTIN, SIMON - NERI, WILFRID - DERRE, ALAIN - BENTALEB, AHMED - MERCADER, CELIA - POULIN, PHILIPPE
0302	POROUS POLYANILINE/REDUCED GRAPHENE OXIDE COMPOSITE AS A BINDER-FREE ELECTRODE MATERIAL FOR HIGH-PERFORMANCE SUPERCAPACITORS MOYSEOWICZ, ADAM - GRYGLEWICZ, GRAŻYNA
0303	CARBON-MEDIATED SOLAR PHOTOCATALYSIS OF INDUSTRIAL WASTEWATER: ECOTOXICITY ASSESSMENT LOURENÇO, VÂNIA - ANIA, CONCHI - FONSECA, ISABEL
0304	LIGNIN-BASED CARBON NANOFIBERS MADE BY ELECTROSPINNING ROMAN, JULIEN - JESTIN, SIMON - MERCADER, CÉLIA - DERRE, ALAIN - POULIN, PHILIPPE
0305	1H-NMR STUDY ON THE THERMOPLASTIC PHENOMENON OF COAL WITH HIGH PERFORMANCE COKING ADDITIVE. KUMAGAI, HARUO - SAKAI, KOJI - OKUYAMA, NORIYUKI
0306	IMPACT OF WATER VAPOR ON BIOGAS SEPARATION BY MEANS OF ADSORPTION ON A BIOMASS BASED CARBON DURÁN, INÉS - ÁLVAREZ- GUTIÉRREZ, NOELIA - RUBIERA, FERNANDO - PEVIDA, COVADONGA
0308	MEASURING HEAT CAPACITY OF ACTIVATED CARBONS FOR CO2 CAPTURE QUEREJETA, NAUSIKA - GARCÍA, SUSANA - ÁLVAREZ-GUTIÉRREZ, NOELIA - RUBIERA, FERNANDO - PEVIDA, COVADONGA
0313	FE-CATALYZED GRAPHITIC CARBON MATERIALS FROM BIOMASS RESOURCES AS ANODES FOR LITHIUM ION BATTER-IES GÓMEZ-MARTÍN, AURORA - RUTTERT, MIRCO - PLACKE, TOBIAS - MARTINEZ-FERNANDEZ, JULIAN - RAMÍREZ-RICO, JOAQUÍN
0318	PROPERTY EVALUATION OF CARBON FIBER/ABS COMPOSITES WITH DIFFERENT A, B, AND S COMPOSITIONS VIA LONG FIBER THERMOPLASTIC-BASED CHO, DONGHWAN - LEE, HEESOOK
0321	A SUPER-LONG CARBON NANOTUBE ARRAY FOR SIZE-BASED VIRUS CAPTURE AND DETECTION YEH, YIN-TING - TERRONES, MAURICIO
0323	CHRONOAMPEROMETRIC RESPONSE OF NANOPOROUS CARBONS UNDER UV-VIS IRRADIATION GOMIS BERENGUER, ALICIA - ANIA, CONCHI
0326	HIGHLY DISPERSED RUTHENIUM NANOPARTICLES ANCHORED ON CARBON NANOSPHERES AS HIGH EFFICIENT CATA-LYST FOR THE REMOVAL OF BPA SERRA-PÉREZ, ESTRELLA - ÁLVAREZ-TORRELLAS, SILVIA - DELGADO, JOSÉ ANTONIO - AGUEDA, VICENTE ISMAEL - OVEJERO, GABRI-EL - GÓMEZ DE LA CRUZ, VICTORIA - GARCÍA, JUAN
0328	DIRECT SPECIATION SEPARATION OF OXYGEN FUNCTIONAL GROUPS BY NON-LINEAR THERMAL ANALYSIS DING, YUXIAO - GU, QINGQUING - SCHLÖGL, ROBERT - HEUMANN, SASKIA - DUENGEN, PASCAL

Code	Title
0331	IMPROVING CARBON/CARBON SUPERCAPACITORS CELL VOLTAGE IN AQUEOUS ELECTROLYTES <u>WEISSMANN, MARTIN</u> - BROUSSE, THIERRY - RAYMUNDO-PINERO, ENCARNACION
0346	MODELING AND INVESTIGATION OF CROSS-LINKING EFFECT ON MECHANICAL PROPERTIES OF CNT YARNS <u>CHO, YOUNG SHIK</u> - JUNG, YEONSU - PARK, CHONG RAE
0348	NANO-GRAPHITE AND RATE PERFORMANCE OF LITHIUM INTERCALATION <u>OGUMI, ZEMPACHI</u> - ABE, TAKESHI
0349	PREPARING CARBON FIBER FROM NEEDLE COKE <u>LYU, YONGGEN</u> - WU, ZHENGAN - YANG, CHANGLING
0355	IMPROVED PERFORMANCE OF AMORPHOUS CARBON MEMBRANES BY RESTRUCTURING DURING HIGH PRESSURE WATER DESALINATION <u>ORTIZ-MEDINA, JOSUE</u> - KITANO, HIROKI - ITO, ISAMU - CRUZ-SILVA, RODOLFO - MORELOS-GOMEZ, AARON - TAKEUCHI, KENJI - TERRONES, MAURICIO - HAYASHI, TAKUYA - ENDO, MORINOBU
0357	CHEMICAL VAPOR DEPOSITION GROWTH OF NANOCRYSTALLINE GRAPHENE FILMS AND ITS MECHANICAL PROPERTIES <u>GAO, LIBO</u>
0358	ATOMISTIC SIMULATIONS OF GLASSY CARBON UNDER HIGH PRESSURES <u>DE TOMAS, CARLA</u> - SUAREZ-MARTINEZ, IRENE - SHIELL, THOMAS B. - MCCULLOCH, DOUGAL G. - MCKENZIE, DAVID R. - FIELD, MATTHEW R. - HABERL, BIANCA - BOEHLER, REINHARD - COOK, BRENTON A - MARKS, NIGEL A. - BRADBY, JODIE E.
0359	HIERARCHICAL CELLULOSE-DERIVED CARBON COMPOSITE ELECTRODES FOR SUSTAINABLE SUPERCAPACITORS <u>KUZMENKO, VOLODYMYR</u> - HAQUE, MAZHARUL - LI, QI - NARGES, NASERI - SMITH, ANDERSON D. - LUNDGREN, PER - GATENHOLM, PAUL - AJI, MATHEW - ENOKSSON, PETER
0363	EFFECT OF NITROGEN ON THE PERFORMANCE OF SENSOR BASED ON N-DOPED REDUCED GRAPHENE OXIDES FOR THE DETERMINATION OF EPINEPHRINE <u>WIENCH, PIOTR</u> - GONZÁLEZ, ZORAIDA - MENÉNDEZ, ROSA - GRYGLEWICZ, GRAŻYNA
0366	REASSESSING COAL'S SHARE IN ENERGY MIX: A GLOBAL PERSPECTIVE AND SUSTAINABLE WASTE COAL STRATEGY <u>CLEMENTE-JUL, CARMEN</u> - GUERRERO, FRANCISCO
0374	UNDERSTANDING THE GRAPHENE FOAM ELABORATION PREPARED FROM A SOLVOTHERMAL-BASED PROCESS: ROLE OF THE SODIUM COMPOUNDS <u>SPEYER, LUCIE</u> - FONTANA, SEBASTIEN - CAHEN, SEBASTIEN - HEROLD, CLAIRE
0376	CELLULOSE-BASED CARBON FIBERS: INCREASING TENSILE STRENGTH AND CARBON YIELD <u>UNTERWEGER, CHRISTOPH</u> - HINTERREITER, ANDREAS - STIFTER, DAVID - FÜRST, CHRISTIAN
0380	BIOMIMETIC STRONTIUM-SUBSTITUTED HYDROXYAPATITE DEPOSITED ON CARBON FIBER CLOTH FOR BONE REGENERATION <u>OLIVIER, FLORIAN</u> - PICARD, QUENTIN - DELPEUX, SANDRINE - FAYON, FRANCK - VINCENT, SAROU-KANIAN - CHANCOLON, JEROME - FABIENNE, WARMONT - ROCHET, NATHALIE - BONNAMY, SYLVIE
0381	POROUS CARBON TEMPLATES FROM THERMOSET-BASED WOOD POLYMER COMPOSITES AS PRECURSOR FOR SILICON CARBIDE CERAMICS <u>UNTERWEGER, CHRISTOPH</u> - PLANK, BERNHARD - SENCK, SASCHA - MIHALIC, MATTHIAS - FÜRST, CHRISTIAN
0391	MICROPOROUS ELECTROSPUN LIGNIN-BASED FIBERS AS BINDERLESS SUPERCAPACITOR ELECTRODES <u>GARCÍA-MATEOS, FRANCISCO JOSÉ</u> - RUIZ-ROSAS, RAMIRO - MORALLON, EMILIA - CAZORLA-AMORÓS, DIEGO - RODRÍGUEZ-MIRASOL, JOSÉ - CORDERO, TOMÁS
0392	ONE-POT SYNTHESIS OF LIGNIN-BASED ELECTROSPUN OXYGEN REDUCTION REACTION ELECTROCATALYSTS <u>GARCÍA-MATEOS, FRANCISCO JOSÉ</u> - RUIZ-ROSAS, RAMIRO - CAZORLA-AMORÓS, DIEGO - MORALLÓN, EMILIA - RODRÍGUEZ-MIRASOL, JOSÉ - CORDERO, TOMÁS
0393	FIXED-BED ADSORPTION OF BISPHENOL A ONTO CARBON ADSORBENTS: ADSORPTION/DESORPTION CYCLES <u>HERNÁNDEZ-ABREU, ANA BELÉN</u> - GOFFIN-MEDINA, SHAROL - NIETO-NARANJO, PATRICIA - ÁLVAREZ-TORRELLAS, SILVIA - ÁGUEDA, VICENTE ISMAEL - DELGADO, JOSE ANTONIO - OVEJERO, GABRIEL - GARCÍA, JUAN
0395	ANTICORROSIVE EFFECTS OF CARBON/SEMICONDUCTOR COATINGS ON METALS <u>QUEZADA RENTERIA, JAVIER ALAN</u> - GOMIS BERENGUER, ALICIA - CHÁZARO RUIZ, LUIS FELIPE - RANGEL MENDEZ, JOSE RENE - ANIA, CONCHI
0403	PHOTOCATALYTIC DEGRADATION OF PERFLUOROCARBOXYLIC ACIDS BY TiO2-RGO COMPOSITE <u>DIBAN, NAZELY</u> - RIBAO, PAULA - RIVERO, MARIA J. - ORTIZ, INMACULADA - URTIAGA, ANE - GOMEZ, BEATRIZ
0404	COMPARATIVE MICROSTRUCTURAL ANALYSIS OF NON-GRAPHITIC CARBONS BASED ON WIDE-ANGLE X-RAY (WAXS) AND NEUTRON (WANS) SCATTERING <u>PFAFF, TORBEN</u> - BADACZEWSKI, FELIX - SMARSLY, BERND M.
0410	MOLECULAR BEHAVIOR IN GRAPHENE NANOWINDOWS DOMAINS <u>VALLEJOS-BURGOS, FERNANDO</u> - KANEKO, KATSUMI

Code	Title
0411	COMBUSTION KINETICS OF CHAR DERIVED FROM WASTE TIRE PYROLYSIS – A COMPARISON OF DIFFERENT STRUCTURAL MODELS <u>MARTINEZ, JUAN DANIEL</u> - ARENAS, CINDY NATALIA - MURILLO, RAMON - NAVARRO, MARIA VICTORIA - GARCIA, TOMAS
0412	CHARGE-TRANSFER PROCESSES BETWEEN GRAPHENE AND SIMPLE MOLECULES OR CARBON NANODOTS <u>MESSINA, FABRIZIO</u> - BUSCARINO, GIANPIERO - MESSINA, FABRIZIO - SCIORTINO, ALICE - CANNAS, MARCO - GELARDI, FRANCO MARIO - GIANNAZZO, FILIPPO - SCHILIRÒ, EMANUELA - AGNELLO, SIMONPIETRO
0415	EFFECT OF OXYGEN IMPURITY ON VOC DESORPTION FROM ACTIVATED CARBON <u>HASHEMI, SEYED MOJTABA</u> - HASHISHO, ZAHER - PHILLIPS, JOHN H - ANDERSON, JAMES - NICHOLS, MARK
0422	STRUCTURE AND STABILITY OF INTERCALATED MULTILAYER GRAPHENE <u>MATSUMOTO, RIKA</u> - AKUZAWA, NOBORU
0423	CARBON FIBERS FROM AROMATIC POLYMER PRECURSORS: PRECURSOR DESIGN FOR LOW CO2 EMISSION PRODUCTS <u>HATORI, HIROAKI</u> - SAKAMOTO, KAITO - KAWAJIRI, KOTARO - TAHARA, KIYOTAKA
0424	STRUCTURAL CHANGE OF GRAPHITE ULTRATHIN FILMS FROM SPIN-COATING POLYMERS <u>SONEDA, YASUSHI</u> - YOSHIZAWA, NORIKO - KODAMA, MASAYA
0425	HIGH-DENSITY SINGLE IRON ATOM-DISPERSED N-DOPED POROUS CARBON FOR EFFICIENT OXYGEN REDUCTION UNDER ACIDIC MEDIUM <u>HOU, PENGXIANG</u> - LI, JINCHENG - LIU, CHANG - CHENG, HUIMING
0426	EXPERIMENTAL AND THEORETICAL STUDY OF AGEING MECHANISM OF ACTIVATED CARBON BASED SUPERCAPACITOR AND SOME COUNTERMEASURES <u>HUANG, YILUN</u> - GONG, QIANMING
0433	EFFECT OF MWCNT COMPOSITION ON THE PERMSELECTIVITY OF PES-MWCNT MIXED MATRIX MEMBRANES FOR GAS SEPARATION <u>LINCK, NICHOLAS</u> - WEISENBERGER, MATTHEW - KALIKA, DOUGLASS
0435	GREEN SYNTHESIS OF ULTRALIGHT POROUS GRAPHENE COCOON FOR ENHANCED MICROWAVE ABSORBING PERFORMANCE <u>WANG, SHANSHAN</u> - JIAO, QINGZE - XUE, HAOLIANG - GAO, MEIMEI - FENG, CAIHONG - SHI, DAXIN - ZHAO, YUN
0436	HIGHLY DISPERSED CO3S4 WITHIN GRAPHITIC CARBON POLYHEDRONS@CARBON NANOTUBE SPONGE FOR ULTRALONG LIFE LITHIUM-SULFUR BATTERIES <u>ZHANG, HUI</u>
0437	OPTIMUM POROUS CARBON STRUCTURE FOR HIGH CAPACITY EDLC ENHANCED BY SPECIFIC ION-DESOLVATION <u>URITA, CHIHARU</u> - URITA, KOKI - FUJITA, KOSUKE - HORIO, KEIJI - YOSHIDA, MASAYUKI - MORIGUCHI, ISAMU
0439	DISLOCATION MOTION AND DYNAMICS IN BILAYER GRAPHENE EXTENDED TO RADIATION DAMAGE OF NUCLEAR GRAPHITE IN REACTORS <u>MOURATIDIS, PAVLOS</u> - JOLLEY, KENNY - HEGGIE, MALCOLM I - MAERZ, BEN - WU, HOUZHENG - SMITH, ROGER - RAYSON, MARK - BRIDDON, PATRICK R
0440	SCALABLE FABRICATION OF POROUS CNTS BASED MICROSPHERES AND THEIR APPLICATION IN EXTRACTION OF CHINESE TRADITIONAL MEDICINE <u>GONG, QIANMING</u> - BAI, JUNFEI - LI, XI - HUANG, YILUN - GAN, JIANNING - ZHAO, MING - ZHUANG, DAMING - LIANG, JI
0442	INVESTIGATING THE EFFECT OF LONG RANGE ELECTROSTATIC INTERACTIONS OF CURVED CARBON MATERIALS IN ION-INDUCED NUCLEATION <u>BOWAL, KIMBERLY</u> - MARTIN, JACOB - KRAFT, MARKUS
0443	PHOTOCATALYTIC OXIDATION OF PROPANE WITH TiO2 AND TiO2-C PHOTOCATALYSTS <u>CANO-CASANOVA, LAURA</u> - LILLO-RÓDENAS, MARÍA ÁNGELES - ROMÁN-MARTÍNEZ, MARÍA DEL CARMEN - MEI, BASTIAN - MUL, GUIDO
0445	ADSORPTION OF DICLOFENAC FROM AQUEOUS SOLUTION ONTO CARBON XEROGELS. EFFECT OF TEXTURAL PROPERTIES AND PRESENCE OF BACTERIA <u>MORAL-RODRIGUEZ, ADRIANA ISABEL</u> - LEYVA-RAMOS, ROBERTO - CARRASCO-MARIN, FRANCISCO - OCAMPO PEREZ, RAUL - BAUTISTA-TOLEDO, MARIA ISIDORA
0446	NEW PARADIGMS FOR ANALYZING X-RAY DIFFRACTION SPECTRA OF GRAPHENE-BASED CARBONS <u>PUECH, PASCAL</u> - AGNIESZKA, DABROWSKA - NICOLAS, RATEL-RAMOND - GERARD, VIGNOLES - MARC, MONTHIOUX
0447	KEROGEN FLEXIBILITY, A KEY TO UNDERSTAND HYDROCARBON EXPULSION FROM SHALE RESERVOIRS ? <u>OBLIGER, AMAËL</u> - VALDENNAIRE, PIERRE-LOUIS - CAPIT, NICOLAS - ULM, FRANZ - PELLENQ, ROLAND - LEYSSALE, JEAN-MARC
0453	HARD CARBON DERIVED FROM BLENDING POLYMER INTERPENETRATING NETWORKS FOR SODIUM-ION BATTERIES ANODE <u>ZHANG, WENFENG</u> - ZHANG, HUIMIN - ZHANG, HAO - MING, HAI - CAO, GAOPING

Code	Title
0456	THERMODYNAMICS AND KINETICS OF GRAPHENE AND H2O/CO2 REACTIONS: INSIGHTS OF MULTIPLE-SITE EDGE EFFECTS. OYARZÚN-ARAVENA, ANDREA M. - SALGADO-CASANOVA, ADOLFO JA - RADOVIC, LJUBISA R - GARCÍA-CARMONA, XIMENA
0458	AQUEOUS MERCURY REMOVAL FROM ACTUAL SFGD WASTEWATER OF A COAL-FIRED POWER PLANT USING SULFURIZED ACTIVATED CARBON CHEN, YUN-HSIN - HSU, CHE-JUNG - HSI, HSING-CHENG
0459	CO2 ADSORPTION BEHAVIOR OF POLLEN-DERIVED POROUS CARBON CHOI, SEUNG WAN - TANG, JIALIANG - POL, VILAS - LEE, KI BONG
0466	NICKEL-CARBON NANOPARTICLES: SIZE DEPENDENT PHASE DIAGRAMS AND INTERACTION WITH GRAPHENIC LAYERS YANN, MAGNIN - ROLAND, PELLENG - CHRISTOPHE, BICHARA - HAKIM, AMARA
0469	EFFECT OF GRAPHENE OXIDE SYNTHESIS METHOD ON PERFORMANCE OF POLYSULFONE-GRAPHENE OXIDE MIXED MATRIX MEMBRANE SALI, SAFAE - MACKEY, HAMISH - ABDALA, AHMED
0470	CARBON NANOGRAPES: A NEW COMPOSITE MATERIAL FOR USE AS ELECTRODE ON SUPERCAPACITORS ARENAS ESTEBAN, DANIEL - ÁVILA BRANDE, DAVID - OTERO DÍAZ, L. CARLOS
0471	MICROWAVE HYDROGEN COLD PLASMA AS REDUCING AGENT FOR GRAPHENE OXIDE ABDELKADER FERNÁNDEZ, VÍCTO K. ABDELKADER FERNÁNDEZ - DOMINGO GARCIA, MARIA - LÓPEZ GARZÓN, F JAVIER - MEL-GUIZO, MANUEL - LÓPEZ DE LA CALLE, Mª DOLORES - PÉREZ MENDOZA, MANUEL J
0473	ULTRALIGHT, FLEXIBLE, AND FREE-STANDING CARBON MICROTUBE MEMBRANE SYNTHESIZED BY Si3N4 NANOWIRE-TEMPLATED CHEMICAL VAPOR DEPO YIN, XUEMIN - LI, HEJUN - LU, JINHUA
0474	ELECTROCHEMICAL PREPARATION OF HYDROXIDE-ION CONTAINING GRAPHITE INTERCALATION COMPOUNDS MIYAHARA, YUTO - FUKUTSUKA, TOMOKAZU - ABE, TAKESHI
0476	ADSORPTION GAS TERMINAL ON THE BASIS OF NEW FUNCTIONAL CARBON NANOPOROUS MATERIAL FOR NATURAL GAS STORAGE AND TRANSPORTATION MEN'SHCHIKOV, ILYA - FOMKIN, ANATOLY - SHKOLIN, ANDREY - AKSYUTIN, OLEG - ISHKOV, ALEKSANDR - LADYGIN, KONSTANTIN - TSIVADZE, ASLAN
0479	BORON-DOPED GRAPHENE QUANTUM STRUCTURE@MOS2 NANOHYBRIDS AS HIGH PERFORMANCE ANODE FOR LITHIUM ION BATTERY DOONG, RUEY-AN - BINDUMADHAVAN, KARTICK
0482	THE ROLE OF SOLVENT INTERACTIONS AND CHARGE SEPARATION IN THE FUNDAMENTAL PHOTOCYCLE OF CARBON NANODOTS MESSINA, FABRIZIO - SCIORTINO, ALICE - SCIORTINO, LUISA - GAZZETTO, MICHELA - CANNIZZO, ANDREA - CANNAS, MARCO
0486	A FAMILY OF FLUORESCENT CARBON DOTS WITH HIGHLY HOMOGENEOUS STRUCTURAL PROPERTIES AND EXCEPTIONAL OPTICAL PERFORMANCE SCIORTINO, ALICE - MAURO, NICOLÒ - BUSCARINO, GIANPIERO - SCIORTINO, LUISA - POPESCU, RADIANT - SCHNEIDER, REINHARD - GIAMMONA, GAETANO - GERTHSEN, DAGMAR - CANNAS, MARCO - MESSINA, FABRIZIO
0488	ACTIVATED CARBON FOR GOLD ADSORPTION USING COLOMBIAN COAL AS RAW MATTER MARTÍNEZ MENDOZA, KAREN LORENA - BARRAZA BURGOS, JUAN MANUEL - MARRIAGA, NILSON DE JESÚS - MACHUCA MARTINEZ, FIDERMAN
0498	HIGH-PERFORMANCE OF GAS HYDRATES CONFINED IN NANOPOROUS SOLIDS FOR CH4 AND CO2 STORAGE CUADRADO-COLLADOS, CARLOS - MARTÍNEZ-ESCANDELL, MANUEL - CASCO, MIRIAN - SILVESTRE, JOAQUIN
0500	NUMERICAL SIMULATION OF FLUID DYNAMICS IN POROUS CARBON NANOMATERIALS BY ELECTROWETTING MA, RONG - YAO, WEI - LU, XIAOCHEN - ZHANG, GUANG
0501	RAMAN STATISTICAL ANALYSIS OF CVD MONOLAYER GRAPHENE. COMPARISON WITH LITERATURE KATHARINA, GRATZER - CEDRIC, PARDANAUD - ALEXANDRE, MERLEN - JOSEPHUS GERARDUS, BUIJNSTERS - OLIVIER, CHUZEL - LIONEL, PATRONE - SYLVAIN, CLAIR - PASCALE, ROUBIN - JEAN-LUC, PARRAIN
0502	IN SITU REINFORCEMENT OF METALS WITH GRAPHENE: HIGH-TEMPERATURE INTERACTIONS BETWEEN SIC AND METALS (IR, RH, PT, PD) NARCISO, JAVIER - ORTEGA, ADRIAN - CAMARANO, ANTONIO - CACCIA, MARIO - GIURANNO, DONATELLA - JUAN, JERONIMO
0510	FARADAIC BEHAVIOR OF QUINONE-GRAFTED CARBONS IN PROTIC IONIC LIQUID ELECTROLYTE GÓRSKA, BARBARA - BABUCHOWSKA, PAULINA - BÉGUIN, FRANÇOIS
0513	ELECTROCHEMICAL OVEROXIDATION OF GRAPHITE IN MIXTURE COMPOSED OF SULFURIC AND NITRIC ACID GURZĘDA, BARTOSZ - BACHAR, AGNIESZKA - KRAWCZYK, PIOTR
0515	SOLUTION SPUN MNO2 DOPED CARBON NANOTUBE FIBERS FOR SEWABLE SUPERCAPACITORS TAYLOR, LAUREN - PASQUALI, MATTEO

Code	Title
0516	CRI PREDICTIVE STUDIES OF COKE BY DRIFTS ANALYSIS OF COLOMBIAN COALS ARIZA CUBILLOS, EDNA - CADENA SÁNCHEZ, ARIEL - ROMERO MALAGÓN, EDUARD - AGÁMEZ-PERTUZ, YAZMIN - DÍAZ VELÁSQUEZ, JOSÉ
0519	EVALUATION OF DURABLE FUEL CELL ELECTRODES USING THE PLATINUM- LOADED GRAPHENE. TOYODA, MASAHIRO - NAGATA, TAKEFUMI - SUTAN, KOUICHI - ARAI, YASUHIKO - KINUMOTO, TARO - TSUMURA, TOMOKI - MURA-MATSU, KAZUO
0522	CATALYTIC ACTIVITY OF CARBON MATERIALS WITH DIFFERENT STRUCTURES AND BY-PRODUCED CARBONS FOR HYDROGEN PRODUCTION SUDA, YOSHIYUKI - NISHII, HARUKI - MIYAMOTO, DAI - HAMAGUCHI, HIROAKI - SUZUKI, MASASHI - HARIGAI, TORU - TANIMOTO, TSUYOSHI - TAKIKAWA, HIROFUMI - UMEDA, YOSHITO
0525	HYDROGEN STORAGE IN HIGH-SURFACE AREA CARBON PELLETS QUZZINE, MOHAMMED - OHWADA, MAO - NISHIHARA, HIROTOMO - KYOTANI, TAKASHI
0526	ANALYSIS OF STACKING ORDER OF GRAPHENES IN TURBOSTRATIC GRAPHITE BY MOIRÉ INTERFEROMETRY OF TEM IMAGE FUJIMOTO, HIROYUKI - HISA, MASAACKI - AZUMA, TAKAYUKI - MORITA, KOUICHI
0531	EFFECTS OF PREHEATING ON ELECTRONIC TRANSPORT OF DETONATION NANODIAMONDS PINA-SALAZAR, ELDA-ZORAIDA - HAYASHI, TAKUYA - TOSHIO, SAKAI - OSAWA, EIJI - KANEKO, KATSUMI
0538	SYNTHESIS OF HIERARCHICALLY STRUCTURED CARBON-CARBON AND CARBON-MINERAL NANOCOMPOSITES FOR VARIOUS APPLICATIONS VEDYAGIN, ALEKSEY - MISHAKOV, ILYA - YURII, BAUMAN - DENIS, KORNEEV - ALEKSEY, VEDYAGIN
0539	EFFECTIVE REDUCTION OF GRAPHENE OXIDE BY A HYBRID MICROWAVE HEATING METHOD TANG, SHAN - JIN, SHUANGLING - LU, WANGZHAO - HU, ZHEN - YANG, SHUO - WANG, JIANGCAN - ZHANG, RUI - LIU, YAN - JIN, MINGLIN
0542	CONTROLLED SYNTHESIS OF COTTON FABRIC/NICO2O4 MATERIAL FOR LITHIUM-ION BATTERY XI, YUKUN - LIU, YAN - ZHANG, DENGKE - JIN, SHUANGLING - ZHANG, RUI - JIN, MINGLIN
0550	DEFECT ANALYSIS FOR CARBON FIBERS BASED ON STRENGTH REDUCTION IN LIQUIDS SHIOYA, MASATOSHI - MASAYOSHI, IDO - KAJIKAWA, TAKASHI - TAKAHASHI, KUNIAKI - SUGIMOTO, YOSHIKI
0552	DIMINISHING THE BACK DIFFUSION OF FE CATALYST PARTICLES FOR SYNTHESIZING LONG CNT FORESTS BY USING FE PRE-IMPLANTED WAFERS LEE, CHEOL-HUN - LEE, JAEGEUN - LEE, KUN-HONG
0554	NOVEL TECHNIQUE FOR MICROSTRUCTURE QUANTIFICATION OF CARBON COMPOSITES BY STEAM GASIFICATION HISA, MASAACKI - YANO, TOYO - AZUMA, TAKAYUKI
0556	FAR-FIELD ELECTROMAGNETIC CHARACTERIZATION OF PREPREG FILM BASED RADAR ABSORBING COMPOSITE CHOI, JAE RYUNG - JUNG, BYUNG MUN - CHO, SEUNGCHAN - PARK, BYEONGJIN - LEE, SANG BOK
0558	GRAPHENE OXIDE MEMBRANES FOR FOOD FILTRATION MORELOS-GOMEZ, AARON - CRUZ-SILVA, RODOLFO - ORTIZ-MEDINA, JOSUE - ARAKI, TAKUMI - TEJIMA, SYOGO - TAKEUCHI, KENJI - TERRONES, MAURICIO - ENDO, MORINOBU
0560	FORMATION OF THE METASTABLE SOLID-PHASE INTERMEDIATES DURING INTERACTION OF HALOGENATED COMPOUNDS WITH BULK NI-CR ALLOY KENZHIN, ROMAN - BAUMAN, YURI - VOLODIN, ALEXANDER - MISHAKOV, ILYA - VEDYAGIN, ALEKSEY
0561	LOCAL NANO-FUNCTIONALISATION OF GRAPHENE VIA CATALYTIC SCANNING PROBE NANOLITHOGRAPHY EVALUATED BY RAMAN SPECTROSCOPY GRATZER, KATHARINA - PARDANAUD, CÉDRIC - MERLEN, ALEXANDRE - CLAIR, SYLVAIN - BALABAN, SILVIU T. - CHUZEL, OLIVIER - PARRAIN, JEAN-LUC - ROUBIN, PASCALE
0563	STRUCTURAL MODIFICATION OF LOW MOLECULAR FRACTION OF FCC-DO BY USING MICROWAVE AND ELCTRON BEAM IRRADIATIONS IM, KYU KWAN - YANG, KAP SEUNG - KIM, DOO WON - KIM, YOONG AHM
0565	MECHANICAL PROPERTIES OF CARBIDE-DERIVED CARBONS DE TOMAS, CARLA - SUAREZ-MARTINEZ, IRENE - MARKS, NIGE
0568	EFFECT OF SURFACE MODIFICATION FOR SIZED CARBON FIBERS ON INTERLAMINAR SHEAR STRENGTH OF POLYAMIDE COMPOSITES YAO, LILI - LU, YONGGEN - ZHANG, WEISU - SUN, ZHULIN - SUN, YING - LIU, LIGUO - WU, ZHENGAN
0570	ONE-POT SYNTHESIS OF SUPERACTIVATED CARBONS FOR HIGH POWER AQUEOUS SUPERCAPACITORS CARRIAZO, DANIEL - MYSYK, ROMAN - GOIKOLEA, EIDER - CARRIAZO, DANIEL
0573	THE RELATIONSHIP BETWEEN THE WETTABILITY OF COAL TAR PITCH AND THE THICKNESS OF THE BINDER LAYER IN GREEN ELECTRODE MATERIAL WOJTASZEK, MAŁGORZATA - TOPOLNICKA, TERESA

Code	Title
0578	PHOTOASSISTED PREPARATION OF METAL-CONTAINING NANOPOROUS POLYMERIC CARBONS <u>C. FERNÁNDEZ DE CÓRDOBA, MARÍA</u> - ZAIER, MOHAMED - BALAN, LAVINIA - O. ANIA, CONCHI
0579	STUDY ON CHANGE OF SURFACE NATURE OF MULTI-WALLED CARBON NANOTUBES BY ACID TREATMENT FOR IMPROVING DISPERSIBILITY <u>SHIN, MINHO</u> - LIM, HYEONG JUN - PARK, CHONG RAE
0581	CARBON MICROTUBES DERIVED FROM ROLLED-UP CHITOSAN FILMS: THE DESIGN AND THE USE AS JOULE-HEATED MICROREACTORS <u>LUCHNIKOV, VALERIY</u> - SAITO, YUKIE - YAMADA, HAJIME - BEDA, ADRIAN - GHIMBEU, CAMELIA
0582	ONE-POT SELECTIVE CELLULOSE CONVERSION INTO SORBITOL USING A TANDEM CARBON CATALYST <u>AZAR*, FATIMA-ZAHRA</u> - LILLO RÓDENAS, MARIA ÁNGELES - ROMÁN-MARTÍNEZ, MARI CARMEN
0585	PREPARATION AND CHARACTERIZATION OF CARBON ALLOY CATALYSTS DERIVED FROM CHICKEN EGG FOR HYDROGEN EVOLUTION REACTION <u>TAKIGAMI, MACHIKO</u> - YOSHIKAWA, RISA - ISHII, TAKAFUMI - IMASHIRO, YASUO - OZAKI, JUN-ICHI
0588	ION CONDUCTING HYBRID ELECTROLYTE USING FUNCTIONALIZED SILICA PARTICLE FOR LI-ION BATTERY <u>JUNG, BYUNG MUN</u> - CHOI, U HYEOK - LEE, SANG-BOK
0589	HIGH SULFUR LOADING GRAPHENE COMPOSITES AS CATHODES FOR LI-S BATTERIES <u>GÓMEZ URBANO, JUAN LUIS</u> - GÓMEZ CÁMER, JUAN LUIS - DíEZ, NOEL - BOTAS, CRISTINA - RODRIGUEZ, LIDE M. - ROJO, TEÓFILO - CARRIAZO, DANIEL
0594	CARBON NANOSPHERES AS MODIFYING AGENT OF SHALLOW FIELDS FOR ENHANCED PROCESS OF CARBON CAPTURE AND STORAGE-ECCS <u>RODRIGUEZ-ACEVEDO, ELIZABETH</u> - CORTES-CORREA, FARID - CARRASCO-MARIN, FRANCISCO - PEREZ-CADENAS, AGUSTIN
0599	EVOLUTION OF POROUS STRUCTURE AND THERMAL PROPERTIES OF EXPANDABLE AND EXPANDED GRAPHITE RESULTED BY GRAPHITE OXIDATION <u>SHORNIKOVA, OLGA</u> - KAMAEV, ALEXEY - TIKHONOV, NICKOLAI - FILIMONOV, STANISLAV - MALAKHO, ARTEM - AVDEEV, VIKTOR
0602	CATALYTIC ACTIVITY OF CARBON CATALYSTS WITH CORRUGATED GRAPHITIC LAYERS FOR OXYGEN REDUCTION REACTION IN ACIDIC CONDITIONS <u>OZAKI, JUN-ICHI</u> - ISHII, TAKAFUMI - KOBAYASHI, RIEKO - TAKIGAMI, MACHIKO - IMASHIRO, YASUO
0603	MOLECULAR UNDERSTANDING OF THE ACTIVE SITES ON BN-DOPED CARBON CATALYSTS FOR OXYGEN REDUCTION REACTION <u>ISHII, TAKAFUMI</u> - KOBAYASHI, RIEKO - TAKIGAMI, MACHIKO - IMASHIRO, YASUO - OZAKI, JUN-ICHI
0606	EFFECT OF LAYERED STRUCTURE OF GRAPHENE OXIDE MEMBRANE ON PERMEATION EFFICIENCY OF WATER <u>ZHENG, XIAOHUI</u> - DING, SONGTAO - WANG, RAN - XU, BIN - YAN, XIAOSHAN
0607	HIGH-PERFORMANCE UV PHOTODETECTOR BASED ON LENGTH-CONTROLLED ZNO NANOROD <u>LEE, KANG EUN</u> - KIM, NARI - PARK, TEAHOON - OH, YOUNGSEOK - YOO, JUNG-KEUN - UM, MOON-KWANG
0619	SYNTHESIS OF FE-N-DOPED CARBON NANOWALLS FOR OXYGEN REDUCTION REACTION <u>YOSHIE, RYO</u> - TANIGUCHI, MOEKA - AKIKUBO, KAZUMA - TATENO, AKIRA - KAWAGUCHI, NORIHITO - TACHIBANA, MASARU
0621	POLYMERIZATION OF SOLVATED C60 CRYSTALS UNDER PRESSURE <u>GONNOKAMI, HIROMICHI</u> - MURATA, HIDENOBU - TACHIBANA, MASARU
0626	ACTIVATED CARBON SUPPORTING BIOTRICKLING FILTERS FOR SILOXANE REMOVAL IN BIOGAS UPGRADING <u>SANTOS-CLOTAS, ERIC</u> - CABRERA-CODONY, ALBA - MARTÍN, MARIA J. - GICH, FREDERIC - BOADA, ELLANA - COMAS, JOAQUIM
0628	SYNTHESIS OF SULFONATED MULTIWALLED CARBON NANOTUBE USING SUPERCRITICAL CARBON DIOXIDE <u>DURIAN, ALVA</u> - MACAWILE, MARIA CRISTINA - GALLO, JUREX - AURESENIA, JOSEPH
0632	SYNTHESIS OF ORGANOSILANE – MWCNT CATALYST USING SUPERCRITICAL CARBON DIOXIDE FOR BIODIESEL PRODUCTION <u>MACAWILE, MARIA CRISTINA</u> - DURIAN, ALVA - GALLO, JUREX - RAZON, LUIS - TAN, RAYMOND - AURESENIA, JOSEPH
0637	CHARGE-TRANSFER COMPLEXES OF 2D SHEETS OF GRAPHENE OXIDE AND NANOPARTICLES OF POLY(3-HEXYL THIOPHENE) <u>MASER, WOLFGANG</u> - ISTIF, EMIN - HERNÁNDEZ-FERRER, JAVIER - COLCHERO, JAIME - PALACIOS-LIDÓN, ELISA - KLYMOV, OLEKSII - GARRÓ, NÚRIA - CROS, ANA - BENITO, ANA M.
0647	CHARACTERIZATION OF THE ATOMIC STRUCTURE OF GLASSY CARBON FOAMS <u>JURKIEWICZ, KAROLINA</u> - LISZKA, BARBARA - DUBER, STANISŁAW - BURIAN, ANDRZEJ
0648	HIGHLY DURABLE ELECTROCATALYSTS WITH THERMALLY TREATED CARBON NANOFIBER FOR PEMFCS <u>JI, YUNSEONG</u> - HWANG, HOJUNG - LEE, CHANMIN - KWON, OH CHAN - JEON, OKSUNG - KIM, JEONG PIL - SHUL, YONG-GUN - JEON, YUKWON

Code	Title
0649	THE FABRICATION OF CONTROLLED THICKNESS GRAPHENE OXIDE FILMS BY MEANS OF DIP-ASSISTED LAYER BY LAYER ASSEMBLY <u>KANDJOU, VEPIKA</u> - HERNAEZ, MIGUEL - ACEVEDO-MUNOZ, BEATRIZ - MAYES, ANDREW - MELENDI-ESPINA, SONIA - PEREZ MAS, ANA MATILDE
0651	CARBON NANOTUBES EFFECT ON THE MORPHOLOGY AND TRANSPORT PROPERTIES OF AROMATIC POLYAMIDE REVERSE OSMOSIS MEMBRANES <u>CRUZ-SILVA, RODOLFO</u> - IZU, KAZUO - ORTIZ-MEDINA, JOSUE - MORELOS-GOMEZ, AARON - TAKIZAWA, YOSHIHIRO - OBATA, MICHIKO - MURAMATSU, HIROYUKI - TAKEUCHI, KENJI - HAYASHI, TAKUYA - TERRONES, MAURICIO - ENDO, MORINOBU
0654	PD CATALYSTS SUPPORTED ON ACTIVATED CARBONS PREPARED FROM LIGNIN FOR THE VALORIZATION OF CHLOROFORM BY HYDRODECHLORINATION <u>FERNANDEZ-RUIZ, CARLOS</u> - BEDIA, JORGE - RODRÍGUEZ, JUAN JOSÉ - GÓMEZ-SAINERO, LUISA MARÍA
0658	IN SITU X-RAY DIFFRACTION STUDIES WITHIN AN OPERATING ELECTROCHEMICAL CELL: FROM STRUCTURAL CONTROLLED MODIFICATIONS TO ION'S <u>SANTOS, CLEIS</u> - VILATELA, JUAN JOSÉ - MARCILLA, REBECA - PENDASHTED, AFSHIN - SENOKOS, EVGENY
0659	DOPED CARBON NANOTUBES PREPARED BY A SOLVENT-FREE METHODOLOGY FOR CWAO <u>P. ROCHA, RAQUEL</u> - G.P. SOARES, OLÍVIA SALOMÉ - J.M. ÔRFÃO, JOSÉ - F. R. PEREIRA, MANUEL - L. FIGUEIREDO, JOSÉ
0661	ONE-POT, FULLY SCALABLE AND LOW COST METHOD FOR CARBONACEOUS NANOSTRUCTURES FUNCTIONALIZATION <u>ŻELECHOWSKA, KAMILA</u> - NADOLSKA, MAŁGORZATA - OLSZEWSKI, ROBERT - PRZESNIAK-WELENC, MARTA - ŁAPIŃSKI, MARCIN - CIEŚLIK, BARTŁOMIEJ
0662	ADVANCED CHARACTERIZATION OF MACROSCOPIC ENSEMBLES OF CNTS <u>VILATELA, JUAN JOSÉ</u> - FERNÁNDEZ, JUAN CARLOS - RIDRUEJO, ÁLVARO
0666	FACTORS INFLUENCING THE ANTIBACTERIAL ACTIVITY OF GRAPHENE OXIDE BEYOND MATERIALS PHYSICOCHEMISTRY <u>KARAHAN, H. ENIS</u> - BAE, TAE-HYUN - XU, CHENJIE - WEI, JUN - CHEN, YUAN
0673	STUDY OF ION TRANSMISSION IN ELECTROLYTE OF GRAPHENE QUANTUM DOTS UNDER ULTRAVIOLET LIGHT <u>WANG, XIAOMIN</u> - CHEN, YINGPING - TIAN, ZHEN - ZHANG, HAIXIA - ZHANG, DING
0674	REMOVAL EFFICIENCY OF METHYL IODIDE BY KI/TEDA IMPREGNATED ACTIVATED CARBONS IN THE CONTEXT OF NUCLEAR INDUSTRY <u>CHEBBI, MOUHEB</u> - GERENTE, CLAIRE - LE COQ, LAURENCE - MOKILI, MARCEL - MONSANGLANT-LOUVET, CÉLINE
0675	THE INFLUENCE OF GIC STAGE NUMBER AND EXFOLIATION TEMPERATURE ON THE GAS PERMEABILITY OF GRAPHITE FOIL <u>IVANOV, ANDREY</u> - MALAKHO, ARTEM - MAKSIMOVA, NATALIA - IONOV, SERGEY - SHORNIKOVA, OLGA - AVDEEV, VIKTOR
0679	COMMERCIAL CARBON MOLECULAR SIEVES AS A HIGH PERFORMANCE ANODE FOR SODIUM-ION BATTERIES <u>ZHANG, SIWEI</u>
0685	RECENT ADVANCES IN SYNTHESIS AND CHARACTERIZATION OF CONTINUOUSLY SPUN CARBON NANOTUBE FIBER FROM THE GAS PHASE. <u>RODILES, XAQUIN</u> - VILA, MARIA - ALEMAN, BELEN - REGUERO, VICTOR - VILATELA, JUAN JOSE
0688	FLEXIBLE CARBON AEROGELS BY SPHERE TEMPLATING <u>SALIHOVIC, MIRALEM</u> - HÜSING, NICOLA - ELSAESSER, MICHAEL
0694	OVERCOMING THE MASS TRANSPORT LIMITATIONS OF IONIC LIQUIDS IN CO2 CHEMICAL ABSORPTION BY USING ENCAPSULATED IONIC LIQUIDS <u>MOYA, CRISTIAN</u> - SANTIAGO, RUBEN - LEMUS, JESUS - MORENO, DANIEL - ALONSO-MORALES, NOELIA - GILARRANZ, MIGUEL ANGEL - PALOMAR, JOSE
0697	CARBON FIBERS DERIVED FROM FRACTIONATED-SOLVATED LIGNIN <u>OGALE, AMOD</u> - JIN, JING - DING, JUNHUAN - THIES, MARK
0704	GRAPHENE AEROGELS MODIFIED WITH CO AND TI OXIDES AS ELECTROCHEMICAL CATALYSTS FOR OXYGEN EVOLUTION AND REDUCTION REACTIONS <u>LUQUE CENTENO, JOSE MANUEL</u> - MARTINEZ HUERTA, MARIA VICTORIA - CHEN, WEIYANG - SEBASTIAN, DAVID - YEUNG, KING LUN - LÁZARO ELORRI, MARIA JESUS
0705	DESIGN OF NANOSTRUCTURED CARBON MATERIALS VIA LASER ASSISTED SYNTHESIS TECHNIQUES <u>GHIMBEU, CAMÉLIA</u> - SOPORNYI, MIHAI - AXENTE, EMANUEL - SIMA, FELIX - NITA, CRISTINA
0706	DETERMINATION OF SURFACE ENERGY HETEROGENEITY OF CARBON-BASED NANOMATERIALS BY INVERSE GAS CHROMATOGRAPHY <u>NADERI, MAJID</u> - BURNETT, DAN
0711	COMPARISON BETWEEN IONIC LIQUIDS AND ENCAPSULATED IONIC LIQUIDS IN CO2 PHYSICAL ABSORPTION <u>LEMUS, JESUS</u> - SANTIAGO, RUBEN - MOYA, CRISTIAN - MORENO, DANIEL - ALONSO-MORALES, NOELIA - GILARRANZ, MIGUEL ANGEL - PALOMAR, JOSE

Code	Title
0713	DECORATION OF MEMBRANES VIA POLYDOPAMINE AND GRAPHENE OXIDE/AG NANOCOMPOSITES FOR CONDUCTIVE AND ANTIMICROBIAL PROPERTIES. <u>LOPEZ-CAZARES, MARIA IRENE</u> - PÉREZ-RODRÍGUEZ, FÁTIMA - CENTENO- SÁNCHEZ, MARISOL - CHÁZARO-RUIZ, LUIS FELIPE - RANGEL-MENDEZ, JOSE RENE
0714	EFFECT OF OCCURRENCE MODE OF AS ON VOLATILITY DURING PYROLYSIS PROCESS <u>ZHOU, LINGMEI</u> - CHU, MO
0717	CNT FIBERS AS MULTIFUNCTIONAL ELECTRODE MATERIAL FOR FLEXIBLE SUPERCAPACITORS. ELECTROCHEMICAL PROPERTIES AND APPLICATION. <u>SENOKOS, EVGENY</u> - RANA, MOUMITA - REGUERO, VICTOR - PENDASHTEH, AFSHIN - IGLESIAS, DANIEL - MARCHESAN, SILVIA - MAR-CILLA, REBECA - VILATELA, JUAN JOSE
0719	ECO-FRIENDLY AND FACILE SYNTHESIS OF CARBON/SIO2 HYBRID MATERIALS FOR LI-ION BATTERIES APPLICATIONS <u>NITA, CRISTINA</u> - FULLENWARTH, JULIEN - PARMENTIER, JULIEN - MONCONDUIT, LAURE - MATEI GHIMBEU, CAMELIA
0723	SYNTHESIS OF MULTIWALLED CARBON NANOTUBE-SUPPORTED CU_{CO}2S₄ FOR ENHANCED FENTON-LIKE CATALYSIS <u>TAO, YOUSHENG</u> - ZHANG, MAI - ANNAMALAI, KUNDRAKUDI P. - CHEN, TIANLU
0724	FINGER-LIKE CARBON-BASED NANOSTRUCTURES PRODUCED BY COMBUSTION OF SPAGHETTI <u>OSSLER, FREDERIK</u> - HETHERINGTON, CRISPIN
0729	NITRATE ION ADSORPTION ON ACTIVATED CARBONS WITH DIFFERENT TEXTURAL AND PHYSICOCHEMICAL CHARAC-TERISTICS <u>HENRIETTE, MOUSSOUNDA BOUNDZANGA</u> - BENOÎT, CAGNON - CHRISTINE, VAUTRIN-UL - SYLVIE, BONNAMY
0730	NEUTRON IMAGING AND SCATTERING BASED CHARACTERIZATION OF THE INTERACTION BETWEEN HYDROGENOUS SUBSTANCES AND SOOT MATERIALS <u>OSSLER, FREDERIK</u> - SANTODONATO, LOUIS - DHIMAN, INDU - FINNEY, CHARLES - ARMITAGE, DOUGLAS - BILHEUX, JEAN-CHRISTO-PHE - DAEMEN, LUKE - RAMIREZ-CUESTA, ANIBAL - BILHEUX, HASSINA
0731	THE USE OF WOOD RESIDUES FROM THE BOREAL FOREST FOR THE PRODUCTION OF POROUS MATERIALS FOR ENVI-RONMENTAL APPLICATIONS <u>BRAGHIROLI, FLAVIA</u> - BOUAFIF, HASSINE - NECULITA, CARMEN MIHAELA - KOUBAA, AHMED
0732	THE EFFECT OF OXIDATION TREATMENT ON THE ADSORPTION OF AMMONIA ON CARBON ELECTRODES FOR ELECTROCHEMICAL CAPACITORS <u>SLESINSKI, ADAM</u> - FIC, KRZYSZTOF - FRACKOWIAK, ELZBIETA
0733	RECOVERING PORES SIZE DENSITY DISTRIBUTION OF ACTIVATED CARBON BY REGULARIZING AND HRTEM IMAGES ANALYSIS PROCEDURES <u>ALVAREZ, AMAURY CRUZ</u> - JEANNE-ROSE, VALÉRIE - MONTRESOR PASSE-COUTRIN, NADY - GASPARD, SARRA
0735	THERMAL EXFOLIATION OF GRAPHITE OXIDE FILMS – THERMAL HAZARD OR AN OPPORTUNITY FOR LARGE-SUR-FACE-AREA GRAPHENE-BASED MATERIALS? <u>DECASTILHO, CINTIA</u> - BERHANE, SARA - HURT, ROBERT - KULAOTS, INDREK
0739	KINETIC STUDY OF METHANOL DEHYDRATION OVER ZRO2 SUPPORTED-ACTIVATED CARBONS <u>PALOMO, JOSÉ</u> - RODRÍGUEZ-CANO, MIGUEL ÁNGEL - ROSAS, JUANA MARÍA - RODRÍGUEZ-MIRASOL, JOSÉ - CORDERO, TOMÁS
0741	CARBON MOLECULAR SIEVES FROM FRUIT WASTE FOR BIOGAS SEPARATION <u>AMAYA, ALEJANDRO</u> - TANCREDI, NESTOR
0743	HOW THE STRUCTURE OF THE CARBON SUPPORT INFLUENCE ON STRUCTURE AND DURABILITY OF DEPOSITED PLAT-INUM NANOPARTICLES? <u>PAWLYTA, MIROSLAWA</u> - LISZKA, BARBARA - JURKIEWICZ, KAROLINA - SZADE, JACEK - BLACHA-GRZECHNIK, ALICJA
0744	WATER SORPTION PHENOMENON ON SOLID PARTICLES EMITTED DURING A FIRE: DETERMINATION OF THE INFLUENC-ING PHYSICO-CHEMICAL PARAMET <u>LAURA, LINTIS</u> - FRANÇOIS-XAVIER, OUF - ALEXIS, COPPALLE - CÉCILE, VALLIÈRES
0746	GEOCHEMICAL AND PHYSICOCHEMICAL CHARACTERISTICS OF SOME COLOMBIAN COALS AND THEIR RELATIONSHIP WITH THEIR COAL METHANE CONTEN <u>CASTRO, ADRIANA</u> - PARRA, SERGIO D. - GUERRERO, JAVIER - RINCÓN, MARCO A. - ROMERO, MANUEL H. - AGÁMEZ-PERTUZ, YAZMIN Y. - DÍAZ, JOSÉ DE J. - CADENA, ARIEL O.
0756	LASER REDUCTION OF OXIDE GRAPHENE UNDER AMBIENT CONDITION <u>EVLASHIN, STANISLAV</u> - SAFONOV, ALEXANDER - FEDOROV, FEDOR - SVYAKHOVSKIY, SERGEY - DAGESYAN, SARKIS - DYAKONOV, PAVEL - MANKELEVICH, YURI - SUETIN, NIKOLAY - AKHATOV, ISKANDER
0757	HIGH CAPACITY CARBON NANOTUBE FIBER FOR BINDER-FREE LI-ION BATTERY ANODES BEYOND-GRAPHITE <u>CINTORA JUAREZ, DANIEL</u> - AVVARU, VENKATA SAI - ALEMÁN, BELÉN - VILATELA, JUAN JOSE - ETACHERI, VINODKUMAR
0758	BANDED IRON FORMATION FOR EFFICIENT NITROGEN-DOPED CARBON NANOTUBES PRODUCTION. <u>JIMENEZ-RAMIREZ, LUIS E.</u> - FAJARDO-DIAZ, JUAN L. - VERMA, SANJEET J. - LOPEZ URIAS, FLORENTINO - MUÑOZ SANDOVAL, EMILIO

Code	Title
0765	SOME PROPERTIES OF WOOD PLASTIC NANOCOMPOSITES REINFORCED WITH MULTI WALLED CARBON NANOTUBES <u>KAYMAKCI, ALPEREN</u> - AYRILMIS, NADIR - OZKAN, OSMAN EMRE - GULEC, TURKER
0777	PREPARATION OF ISOTROPIC PITCH-BASED CARBON FIBER FROM PYROLYTIC OILS OF BIOMASS AND POLYSTYRENE WITH ETHYLENE BOTTOM OIL <u>ÖZSİN, GAMZENUR</u> - PÜTÜN, AYŞE EREN - NAKABAYASHI, KOJI - MIYAWAKI, JIN - YOON, SEONG-HO
0780	APPLE TREE BRANCHES ACTIVATED CARBONS FOR THE REMOVAL OF ATENOLOL <u>MARQUES, SUSANA C. R.</u> - MESTRE, ANA S. - MACHUQUEIRO, MIGUEL - GOTVAJN, ANDREJA - MARINŠEK, MARJAN
0784	IN SITU NMR STUDY OF IONS TRANSFER DURING THE CHARGE/DISCHARGE OF CARBON-BASED SUPERCAPACITORS <u>OUKALI, GHENIMA</u> - DESCHAMPS, MICHAEL - PINERO, ENCARNACION RAYMUNDO - SALAGER, ELODIE
0794	MECHANISMS OF HYDROGEN STORAGE ON PALLADIUM DOPED NANOPOROUS CARBONS <u>LOPEZ, MARIA J.</u> - JUARISTI, J.IÑAKI - ALDUCIN, MAITE - GRANJA-DELRIO, ALEJANDRA - ALONSO, JULIO A.
0799	NOVEL APPROACHES FOR HYDROCHARS SULFONATION <u>DUARTE, TIAGO</u> - MARTINS, LUÍSA - CARVALHO, ANA
0800	TWO SPRAYER CVD SYNTHESIS OF NITROGEN-DOPED CARBON NANOTUBE SPONGE <u>MUÑOZ-SANDOVAL, EMILIO</u> - FAJARDO-DÍAZ, JUAN LUIS - SÁNCHEZ-SALAS, ROQUE - CORTÉS-LÓPEZ, ALEJANDRO JAVIER - LÓPEZ-URÍAS, FLORENTINO
0802	FUNCTIONALIZATION WITH A PROBE MOLECULE TOWARDS THE BASAL PLANE OF THE GRAPHENE OXIDE <u>PIÑEIRO GARCIA, ALEXIS</u> - VEGA DIAZ, SOFIA MAGDALENA - TRISTÁN LÓPEZ, FERDINANDO - FIERRO GONZÁLEZ, JUAN CARLOS - SEMETEV, VINCENT - MENESES RODRÍGUEZ, DAVID
0808	COATING CONVENTIONAL GLASS AND POLYCARBONATE WITH TRANSPARENT GRAPHENE-TYPE LAYERS <u>VERNET-GARCÍA, JOAN</u> - DOMINGO-GARCÍA, MARÍA - PÉREZ-MENDOZA, MANUEL - GARCÍA-GALLARÍN, CELESTE - MELGUIZO, MAN-UEL
0810	RICE HUSK-DERIVED C/C COMPOSITE HONEYCOMB MONOLITHS FOR ELIMINATION OF LIPOPOLYSACCHARIDE ENDO-TOXIN <u>MIKHALOVSKY, SERGEY</u> - JANDOSOV, JAKPAR - MISRA, ANIL - ALAVIJEH, MO - HOWELL, CAROL - MANSUROV, ZULKHAIR - SILVES-TRE-ALBERO, JOAQUIN - MIKHALOVSKA, LYUBA - TENNISON, STEVE - MIKHALOVSKY, SERGEY
0811	OXYGEN REDUCTION REACTION IN NITROGEN-DOPED MULTIWALL CARBON NANOTUBES <u>SÁNCHEZ-SALAS, ROQUE</u> - LÓPEZ URÍAS, FLORENTINO - MIRANDA HERNÁNDEZ, MARGARITA - CUENTAS GALLEGOS, ANA KARINA - MUÑOZ SANDOVAL, EMILIO
0819	FLUORINATION OF NUCLEAR GRAPHITE IG-110 IN MOLTEN FLIBE SALT AT 700 °C <u>SCARLAT, RALUCA</u> - WU, HUALI
0827	OUTSTANDING ELECTROCHEMICAL PERFORMANCES OF HIGHLY N- AND O-DOPED CARBONS DERIVED FROM PINE TANNIN <u>SANCHEZ-SANCHEZ, ANGELA</u> - IZQUIERDO, MARÍA TERESA - MATHIEU, SANDRINE - GONZALEZ-ALVAREZ, JULIA - CELZARD, ALAIN - FIERRO, VANESSA
0828	HIGH SURFACE-AREA, TANNIN-DERIVED, ORDERED MESOPOROUS CARBONS AS ELECTRODES OF SUPERCAPACI-TORS <u>CASTRO-GUTIÉRREZ, JIMENA</u> - SANCHEZ-SANCHEZ, ANGELA - IZQUIERDO, MARÍA TERESA - CELZARD, ALAIN - FIERRO, VANESSA
0829	SURFACTANT-WATER-ASSISTED MECHANOCHEMICAL MESOSTRUCTURATION OF TANNINS TO SYNTHESISE OMCS <u>FIERRO, VANESSA</u> - CASTRO-GUTIERREZ, JIMENA - SANCHEZ-SANCHEZ, ANGELA - CELZARD, ALAIN
0837	CARBON NANOCONES AS MULTI-MODE PROBES FOR NEARFIELD MICROSCOPIES <u>PAREDES, GERMERCY</u> - SEINE, GREGORY - PALLEAU, ETIENNE - DELMAS, MATHIEU - RESSIER, LAURENCE - COURS, ROBIN - MASSE-BOEUF, AURELIEN - ONDARCUHU, THIERRY - PIAZZA, FABRICE - MONTHIOUX, MARC
0841	INTERACTIONS BETWEEN GRAPHITE FLUORIDES AND FEMTOSECOND LASER : FROM CONTROLLED REDUCTION TO EFFICIENT EXFOLIATION <u>HERRAIZ, MICHAEL</u> - BATISSE, NICOLAS - DUBOIS, MARC - PEYROUX, JEREMY
0842	NEW COMPOSITE MATERIALS BASED ON POLYETHYLENE AND MULTI-WALLED CARBON NANOTUBES MODIFIED BY CO NANOPARTICLES <u>KAZAKOVA, MARIYA A.</u> - SEMIKOLENOVA, NINA V. - KOROVIN, EVGENIY YU. - KUZNETSOV, VLADIMIR L. - SUSLYAEV, VALENTIN I. - MATSKO, MIKHAIL M. - ZAKHAROV, VLADIMIR A.
0845	3D CARBON MICROSTRUCTURES BY CARBONIZATION OF FEMTOSECOND LASER POLYMERIZED PHOTORESISTS <u>BATISSE, NICOLAS</u> - HERRAIZ, MICHAEL - NASR, MARYLINE - DUBOIS, MARC
0850	TUNABLE NANOPARTICLES IN ALUMINUM CARBIDE-DERIVED CARBON FOR ENHANCED ACID GAS ADSORPTION <u>MORAN, COLTON</u> - MARTI, ROBERT - HAYES, SOPHIA - WALTON, KRISTA
0856	STARENE®: STARCH/GRAPHITE MESOPOROUS CARBON MONOLITH EDLC ELECTRODES <u>SHUTTLEWORTH, PETER S.</u> - MUÑOZ, ANDREA - BUDARIN, VITALY - CLARK, JAMES - LAZAROV, VLADO - LARI, LEONARDO - SALAVA-GIONE, HORACIO - ELLIS, GARY - MORALES, ENRIQUE

Code	Title
0860	SPECTROSCOPIC SIGNATURES OF AQUEOUS DISPERSIONS OF SINGLE LAYER GRAPHENE AND SINGLE-WALLED CARBON NANO-TUBES GEORGE, BEPETE - CARLOS, DRUMMOND - ALAIN', PENICAUD - ERIC, ANGLARET
0864	IMPROVEMENT OF BIODEGRADABILITY USING BIOCHAR IN DRY BIOTOILET YOSHIZAWA, SHUJI - TANAKA, SATOKO - HASHIKAWA, YUKO - IWAO, SHINICHI
0870	EMERGING CARBON ARCHITECTURES FOR SAFER ENERGY STORAGE DEVICES POL, VILAS
0873	ELECTRON CONDUCTING CARBON-BASED CEMENT ELECTRODES: EXPANDING CONCRETE STRUCTURAL ELEMENTS FUNCTIONAL-ITIES IOANNIDOU, KATERINA - CHANUT, NICOLAS - DIVOUX, THIBAUT - BACKOV, RÉNAL - ULM, FRANZ-JOSEF - PELLENQ, ROLAND
0874	HEMATIN SUPPORTED ON GRAFENIC MATERIALS: A BIOMIMETIC CATALYSTS FOR THE POLYANILINE SYNTHESIS ROMERO-GRACÍA, JORGE - RAMÍREZ-HERNÁNDEZ, ABRIL-VIANNET - MARTÍNEZ-CARTAGENA, MANUEL - FERNÁNDEZ-TAVIZÓN, SALVADOR - RODRÍGUEZ, JOELIS - LEDEZMA-PÉREZ, ANTONIO - DÍAZ-BARRIGA, ENRIQUE
0876	INTERLAYER STUDY OF GRAPHENE STACKS ZHAO, PEI - WANG, YUNLU - ZHANG, XUEWEI - WANG, HONGTAO
0879	THREE-DIMENSIONAL BILAYER GRAPHENE STRUCTURES PRODUCED BY PASSAGE OF AN ELECTRIC CURRENT HARRIS, PETER
0881	RAPID GROWTH OF METAL OXIDE-CARBON HYBRID NANOWIRES FOR SUPERCAPACITORS LIU, YANG - ZHANG, XINYU - XIN, JOHN - ZHANG, CHAO
0882	NEW ADVANCES IN THE DEVELOPMENT OF CARBONACEOUS SORBENTS TO RETAIN MERCURY IN THE GAS PHASE ANTUÑA-NIETO, CRISTINA - RODRIGUEZ, ELENA - LOPEZ-ANTON, MARIA ANTONIA - GARCIA, ROBERTO - MARTINEZ-TARAZONA, MARIA ROSA
0889	HIGH-TEMPERATURE TREATMENT OF CHAR OBTAINED FROM KRAFT LIGNIN BY PYROLYSIS ALONSO-MORALES, NOELIA - HERAS, FRANCISCO - ESER, SEMIH - TOBAJAS, MONTSERRAT - RODRIGUEZ, JUAN - GILARRANZ, MI-GUEL ANGEL
0891	COMPARISON OF RAMAN SPECTRA OF PARTICULATE MATTER PRODUCED BY RENEWABLE DIESEL AND FOSSIL DIESEL ON DIFFERENT COMBUSTION SYST CADRAZCO, MARLON - AGUDELO, JOHN - SANTAMARÍA, ALEXANDER
0892	PHYSICOMECHANICAL PROPERTIES AND IN VITRO BIOLOGICAL PERFORMANCE OF KERATIN/BACTERIAL CELLULOSE NANOFIBROUS COMPOSITES FOR WOUND DRESSING AZARNIA, AMIR - TAMJID, ELNAZ - ESLAHI, NILOOFAR - SIMCHI, ABDOLREZA
0893	PREPARATION AND CHARACTERIZATIONS OF CU/CARBON SPHERES MATERIAL. APPLICATION FOR CO2 PHOTO-ELEC-TROCHEMICAL REDUCTION AMEL, BOUDJEMAA - SOUAD, BENAMMAR - NEZZAL, GANIA - SANTIAGO, GÓMEZ-RUIZ - DALILA, MEZIANE - KHALDOUN, BACHARI - NEIL, COVILLE
0904	ENHANCED ELECTROCHEMICAL PERFORMANCE OF DOPED REDUCED GRAPHENE OXIDE BASED BIMETALLIC NI/FE NANOHYBRIDS FOR RAPID DECHLORINAT SAHU, RAMA SHANKER - DOONG, RUEY-AN - LIN, FANG-HSIN
0905	ACTIVATED CARBON/FERRITE NANOPARTICLES COMPOSITE AS A MAGNETIC DRUG DELIVERY SYSTEM RIOS HURTADO, JORGE CARLOS - MUZQUIZ RAMOS, ELIA MARTHA - MONTAÑO FIGUEROA, ANA GABRIELA - FUENTES, ERIKA - RANGEL MENDEZ, JOSE RENE - ESCALANTE IBARRA, GRISELDA
0914	IMPROVEMENT OF CO2 CAPTURE BY FE DOPED CARBONIZED WOOD HATA, TOSHIMITSU - HONMA, SENSHO - ONISHI, YOSHIKAZU - IDE, ISAMU - BONNAMY, SYLVIE - BRONSVELD, PAUL - TANAKA, HIDEKI
0920	TRACE CALCIUM INDUCED CATALYTIC ACTIVATION ACHIEVING PORE REORGANIZATION OF COAL CONVERTED PO-ROUS CARBONS FOR EFFICIENT CO2 A WANG, LIJIE - SUN, FEI - GAO, JIHUI - LI, LONGXIN - QIN, YUKUN
0921	NOVEL CARBON FOAMS FROM CURED PHENOLIC RESINS PREPARED BY REPRECIPITATION AND EMULSIFICATION OF RESIN PRECURSOR DIAZ AUNON, JOSE ANTONIO - KOZYNCHENKO, OLEKSANDR
0923	ALKANE DEHYDROGENATION ON NANOCARBON: FROM REACTION MECHANISM TO CATALYST DESIGN QI, WEI
0924	BIOMASS-DERIVED ELECTRODES FOR BIOELECTROCHEMICAL SYSTEMS MARZORATI, STEFANIA - BAHDANCHYK, MAKSIM - GOGLIO, ANDREA - TRASATTI, STEFANO - CRISTIANI, PIERANGELA - SCHIEVANO, ANDREA
0927	INDUCING COKE FORMING ABILITY IN VICTORIAN BROWN COAL MOLLAH, M MAMUN - MARSHALL, MARC - JACKSON, W ROY - CHAFFEE, ALAN L

Code	Title
0930	FUCNTIONALIZATION OF CARBON NANOSTRUCTURES FOR THE PRODUCTION OF H2O2 AND SUPERCAPACITORS IGLESIAS, DANIEL - GIULIANI, ANGELA - SENOKOS, EVGENY - MELCHIONNA, MICHELE - VILATELA, JUAN JOSÉ - FORNASIERO, PAOLO - PRATO, MAURIZIO - MARCHESAN, SILVIA
0932	N-DOPED CARBON GELS BASED ON MELAMINE-LIGNIN-RESORCINOL MIXTURES FOR SUPERCAPACITOR APPLICATION ZAPATA BENABITHE, ZULAMITA - DIOSSA, GIOVANNA - YEPES LÓPEZ, JESSICA - CÓRDOBA MONTES, JOHN ANDRÉS - QUINTANA, GERMÁN
0934	FILAMENT PRINTING OF GRAPHENE-BASED INKS INTO SELF-SUPPORTED 3D ARCHITECTURES MOYANO, JUAN JOSÉ - BELMONTE, MANUEL - MIRANZO, PILAR - OSENDI, MARIA ISABEL
0935	DEVELOPMENT OF ACTIVATED PHENOL-FORMALDEHYDE BEADS WITH BAMBOO TAR ADDITION FOR ORGANIC VAPOR ADSORPTION CHEN, YU-TING - HUANG, YING-PIN - ROOD, MARK J. - HSI, HSING-CHENG
0942	ELECTROCONDUCTIVE CARBON BIOFILTERS FOR EFFICIENT AND SUSTAINABLE TREATMENT OF URBAN WASTEWATER PRADO, AMANDA - BERENGUER, RAUL - ESTEVE-NÚÑEZ, ABRAHAM
0946	VALUE ADDITION TO LOCAL BIOMASS: SYNTHESIS OF ACTIVATED CARBON FROM BABASSU MESOCARP AND ITS ENVI-RONMENTAL APPLICATIONS GHOSH, ANUPAM - MARIA DA SILVA SANTOS, ARIANE - DO AMARAL RAZZINO, CLAUDIA - DELFINO DE ARAGÃO REIS, ALEXANDRE - COSTA SILVA, RUBENS - FUJISAWA, KAZUNORI - PASTOR FERREIRA, ODAIR - O LOBO, ANDERSON - TERRONES, MAURICIO - CRUZ VIANA, BARTOLOMEU
0947	SINGLE WALLED CARBON NANOTUBE FIELD EFFECT TRANSISTOR AS MEMORY DEVICE BARGAOUI, YASMINE - TROUDI, MANEL - BONDAVALLI, PAOLO - SGHAIER, NABIL
0950	GRAPHENE/NANOROD COMPOSITES FOR ENZYMATIC AND NON-ENZYMATIC ELECTROCHEMICAL BIOSENSING: APPLI-CATION TO GLUCOSE DETECTION MAZAHERI, MOZHDEH - AASHURI, HOSSEIN - SIMCHI, ABDOLREZA
0953	CARBOHYDRATE COATINGS FOR BIOFOULING MITIGATION: DIAZONIUM BASED SACCHARIDE COATINGS FOR IM-PROVED ELECTROCHEMICAL SENSORS MYLES, ADAM - BEHAN, JAMES - SCANLAN, EOIN - COLAVITA, PAULA
0955	EFFECT OF GRAPHENE OXIDE NANOSHEETS ON THE PHYSICOCHEMICAL AND BIOLOGICAL PERFORMANCE OF ELEC-TROSPUN POLYMERIC NANOFIBERS MAHMOUDI, NAFISHEH
0958	COMPUTATIONAL STUDY OF A MENSHUTKIN CHEMICAL REACTION INSIDE DOPED CARBON NANOTUBES MAGALHAES, ALEXANDRE - ALVES, INES
0964	EFFECT OF HYDROTHERMAL PRETREATMENT ON THE POROSITY OF PYROLYTIC CHAR VURAL, E. GÖZDE - KILIÇ, MURAT - ÖZSİN, GAMZENUR - APAYDIN VAROL, ESIN
0965	PRODUCTION OF ACTIVATED CARBON FROM ASPARAGUS OFFICINALIS L FOR 2,4-DICHLOROPHENOL ADSORPTION PRESENT IN AQUEOUS SOLUTION ANDRADE-ESPINOSA, GUILLERMO - BARCENAS-TORRES, JOSÉ DIEGO - SÁNCHEZ-ORTIZ, OMAR AUGUSTO - BERBER-MENDOZA, MARIA SELENE - ALVARADO-FLORES, JOSÉ JUAN
0969	CARBON IN THE SOIL: PREPARATION AND CHARACTERIZATION OF BIOCHAR FROM BEECH WOOD SAWDUST AYGÜN, BÜŞRA - APAYDIN-VAROL, ESIN
0970	DOPED GRAPHENE BASED ELECTROCATALYSTS FOR HYDROGEN EVOLUTION REACTION LEMES, GIOVANNI - SEBASTIÁN, DAVID - LÁZARO, MARÍA JESÚS - PASTOR, ELENA
0972	ELECTROCHEMICAL PERFORMANCE IN AQUEOUS AND ORGANIC MEDIUM OF ACTIVATED CARBONS FROM AFRICAN PALM KERNEL SHELLS ARANGO, DANIEL I. - ZAPATA-BENABITHE, ZULAMITA - ARENAS, ERIKA C.
1034	PREPARATION AND CHARACTERISATION OF PAN-BASED CARBON NANOFIBRES WITH GRAPHENE NANOPLATELETS BY USING PRESSURISED GYRATION WU, XIAOWEN - MAHALINGAM, SUNTHARAVATHANAN - AMIR, AMALINA - PORWAL, HARSHIT - REECE, MIKE - COLOMBO, PAOLO - EDRISINGHE, MOHAN



Posters Index

Code	Title
0007	CA-P COATING PREPARED BY SUPERSONIC ATMOSPHERIC PLASMA SPRAYING COMBINING MICROWAVE-HYDROTHERMAL METHODS SU, YANGYANG - LI, KEZHI - ZHANG, LEILEI
0010	THERMAL AND ELECTRICAL PROPERTIES BASED ON REINFORCED CARBON/POLYAMIDE-6 COMPOSITES PARK, SOOYOUNG - KIM, SONGHUI - PARK, DONGJUN - LEE, BYUNGMIN
0011	CATALYTIC OXIDATION OF LEAN METHANE SIDANA, SMARTHVEER
0020	ASYMMETRIC VANADIUM DIOXIDE//CARBONIZED (PANI) GRAFTED WITH IRON NANOPARTICLES (C-FP) SUPERCAPACITOR FOR HIGH ENERGY DENSITY NDIAYE, NDEYE MATY - MADITO, MOSHAWA - NGOM, BALLA DIOP - DANGBEGNON, JULIEN - MASIKHWA, TSHIFHIWA - MANYALA, NCHOLU
0022	SYNTHESIS AND INVESTIGATION OF TWO-DIMENSIONAL Ti3C2-MN3O4 NANOCOMPOSITE FOR ELECTROCHEMICAL CAPACITOR ELECTRODES OYEDOTUN, KABIR - MOMODU, DAMILOLA - MIRGHNI, ABDULMAJID - MASIKHWA, TSHIFHIWA - KHALEED, ABUBAKAR - MANYALA, NCHOLU
0024	HYBRID ASYMMETRIC CAPACITOR BASED ON CO3(PO4)2.4H2O/GRAPHENE FOAM COMPOSITE WITH ENHANCED CAPACITY AND LONG CYCLE LIFE MIRGHNI, ABDULMAJID A. - MOMODU, DAMILOLA - OYEDOTUN, KABIR O. - DANGBEGNON, JULIEN K. - MANYALA, NCHOLU
0028	INFLUENCE OF DIFFERENT EXPERIMENTAL PARAMETERS ON THE CHARACTERIZATION OF ACTIVATED CARBONS BY MEANS OF GAS ADSORPTION FERNÁNDEZ VELASCO, LETICIA - DEVOS, ANNELEEN - LODEWYCKX, PETER
0036	LARGE-AREA GRAPHENE MEMBRANES AND MESOPOROUS DEIONIZATION ELECTRODES FOR WATER DESALINATION GUPTA, SANJU - HENSON, ALEX - EVANS, BRENDAN
0038	GRAPHENE-CARBON NANOTUBE AEROGEL AS ORGANIC THERMOELECTROCHEMICAL ENERGY HARVESTERS GUPTA, SANJU - MEEK, ROMNEY - EVANS, BRENDAN
0041	HIGHLY ORDERED POROUS CARBONS BY MICROWAVE SYNTHESIS CANAL-RODRÍGUEZ, MARIA - VILLANUEVA, SARA F. - MONTES-MORAN, MIGUEL - ARENILLAS, ANA - MENENDEZ, J. ANGEL
0042	CO2 CAPTURE BY ORDERED MESOPOROUS/MICROPOROUS CMK-3 CARBON: PORE SIZE EFFECT ON KINETICS OF CO2 ADSORPTION VOROKHTA, MARYNA - MORAVKOVA, JAROSLAVA - PILAR, RADIM
0043	INFLUENCE OF THE SURFACE CHARACTERISTICS OF CARBON STRUCTURED MONOLITHS ON NANOPARTICLE GOLD DEPOSITION IZQUIERDO, MARIA TERESA - GÓMEZ-GIMÉNEZ, CARMEN - BALLESTERO, DIEGO - RUBIO, BEGOÑA
0049	HIERARCHICAL CO3O4/HOLLOW CARBON NANOSPHERE@CARBON NANOFIBERS HYBRIDIZED CATHODE MATERIALS FOR LITHIUM-SULFUR BATTERY VIA ELE HE, LEI - ZHOU, YING - QIU, JIESHAN
0051	DEACTIVATION PATHWAYS OF SULFONATED CARBON CATALYSTS IN HYDROTHERMAL REACTION ENVIRONMENTS SCHOLZ, DAVID - KRÖCHER, OLIVER - VOGEL, FRÉDÉRIC
0063	SYNTHESIS OF MAGNETITE NANOPARTICLES OBTAINED BY SOLUTION COMBUSTION METHOD LESBAYEV, AIDOS - SMAGULOVA, GAUKHAR - NIKOLAY, PRIKHODKO - MANSUROV, ZULKHAIR - USTAYEVA, GAUKHAR
0065	KINETICS OF WATER ADSORPTION ON ACTIVATED CARBONS BOUTILLARA, YASMINE - LODEWYCKX, PETER - RICHELET, LUCAS - LÉONARD, ANGÉLIQUE
0066	ULTRASONIC-ASSISTED REDUCTION TO PREPARE SUPPORTED Pd/C CATALYST FOR SUZUKI-MIYAUURA COUPLING REACTION WU, WEI
0067	HIGHLY-DISPERSED Pd NANOPARTICLES SUPPORTED ON MULTI-WALLED CARBON NANOTUBES FOR SUZUKI COUPLING REACTION LIU, YANG - BAI, XUEFENG
0069	ROLE OF ACTIVATING AGENTS AND TEMPERATURE IN THE DIELECTRIC PROPERTIES OF BIOMASS FOR PREPARATION OF ACTIVATED CARBON BY MICR DURAN, GABRIELA - BINNER, ELEANOR - HERNANDEZ, VIRGINIA
0070	CHARACTERIZATION OF POLYMER CARBON SIEVES BETZ, WILLIAM - PENA DUQUE, LEIDY - KEELER, MICHAEL - JONES, JAY - FRANTZ, CURTIS - SMITH, BRITTANY
0081	CONTRIBUTION OF NANODIAMONDS AND NANOONIONS TO CHARGE STORAGE IN SUPERCAPACITORS LEDERER, INGO - MUZHA, ANDREAS - KRUEGER, ANKE - REICHENAUER, GUDRUN

Code	Title
0085	HIGHLY EFFICIENT REMOVAL OF PHARMACEUTICALS FROM WATER BY ADSORPTION ONTO WELL-DEFINED CARBIDE-DERIVED CARBONS ALVAREZ-TORRELLAS, SILVIA - MUNOZ, MACARENA - GLÄSEL, JAN - MARTINEZ DE PEDRO, ZAHARA - ETZOLD, BASTIAN J.M. - CASAS, JOSE ANTONIO
0092	INFLUENCE OF GLYME-BASED ELECTROLYTES COMPOSITION ON THE ANODIC PERFORMANCE OF GRAPHITIC CARBON FOAMS IN SODIUM-ION BATTERIES CAMÉAN, IGNACIO - RODRÍGUEZ-GARCÍA, JORGE - GARCIA SUAREZ, ANA B.
0094	HIERARCHICAL POROUS CARBON FOR ULTRACAPACITORS ROH, KWANG CHUL
0097	LARGE-SCALE, LOW-COST, CONTROLLABLE AND TEMPLATE-FREE PREPARATION OF HOLLOW SPHERICAL ACTIVATED CARBON WITH A HONEYCOMB POROU GUAN, TAOTAO - ZHANG, GUOLI - LI, YONGXIN - ZHAO, JIANGHONG - WANG, JIANLONG - LI, KAIXI
0098	GRAPHITIZATION OF ACTIVATED CARBONS VIA VACUUM ANNEALING CHRISTIANS, HAUKE - PRÖSSL, CAROLIN - GLÄSEL, JAN - ETZOLD, BASTIAN J.M.
0099	CARBIDE-DERIVED CARBONS AS STATIONARY PHASE IN HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY GEISSLER, MIRIAM - CHRISTIANS, HAUKE - GLÄSEL, JAN - KASPEREIT, MALTE - ETZOLD, BASTIAN J. M.
0102	SYNTHESIS OF METHANE BY HYDROGENATION OF CO2 USING CATALYSTS BASED Ni DOPED WITH MG AND/OR CE. MONZON, ANTONIO - CAZAÑA, FERNANDO - SEBASTIÁN, VICTOR - LATORRE, NIEVES - ROMEO, EVA - ROYO, CARLOS - TARIFA, PILAR
0106	WORK FUNCTION OF GRAPHENE SURFACES AS A DESCRIPTOR FOR EVALUATION OF BACTERIA ADHESION DUCH, JOANNA - GOLDA-CEPA, MONIKA - KOTARBA, ANDRZEJ
0108	SHORT CARBON FIBERS AS ADDITIVE FOR SUPERCAPACITOR ELECTRODES KONRAD, KROIS - JAN, GLÄSEL - BASTIAN, ETZOLD
0119	SYNTHESIS OF GRAPHITIC CARBONS BY CATALYTIC GRAPHITIZATION FOR THE APPLICATION IN LITHIUM ION BATTERIES VANESSA, HANHART - MARTIN, WINTER - TOBIAS, PLACKE
0124	SYNTHESIS OF HIERARCHICAL TiO2/MWCNT COMPOSITES FOR VOCs ABATEMENT FERNÁNDEZ CATALÁ, JAVIER - BERENGUER MURCIA, ÁNGEL - CAZORLA AMORÓS, DIEGO CAZORLA-AMORÓS
0126	SYNTHESIS OF POROUS DOPED CARBON MATERIALS FROM POLYSACCHARIDES AMANTIA, DAVID - MARTÍNEZ-CRESPIERA, SANDRA - PEREZ TEJADA, RAQUEL - MACQUARRIE, DUNCAN - BUDARIN, VITALIY - ÇAVUS, GOKHAN - AUCHER, CHRISTOPHE
0127	NOX ADSORPTION PERFORMANCE OF DIFFERENT CHARCOALS PHYSICALLY ACTIVATED WITH WATER VAPOR SAGER, UTA - GHOUMA, IMEN - JEGUIRIM, MEJDI - DÄUBER, ECKHARD - LIMOUSY, LIONEL - BENNICI, SIMONA - GHIMBEU, CAMÉLIA MATEI - LIGOTSKI, ROMAN - SCHMIDT, FRANK - OUEDERNI, ABDELMOTTALEB
0136	FACILE SYNTHESIS OF CHIRAL CARBON DOTS DERIVED FROM TRYPTOPHAN WEI, YINGYING - CHEN, LIN - WANG, JUNLI - YU, SHIPING - YANG, YONGZHEN - LIU, XUGUANG - HU, LANQING
0153	INFLUENCE OF P/FE COMPLEXES FORMED ON NANOPOROUS CARBONS UPON THE PHOTOCATALYTIC DEGRADATION OF METHYLENE BLUE MATOS, JUAN - MONTAÑA, RICMARY - ARCIBAR-OROZCO, JAVIER - RANGEL-MÉNDEZ, JOSE R.
0159	REMOVAL OF DICLOFENAC, IBUPROFEN AND PARACETAMOL BY NITROGEN-DOPED CARBON SPONGES ORTIZ LÓPEZ, TANIA - LÓPEZ URÍAS, FLORENTINO - MUÑOZ SANDOVAL, EMILIO
0160	BORON-NITROGEN HETERODOPING IN MULTIWALLED CARBON NANOTUBES OLVERA MARTÍNEZ, JOSÉ AGUSTÍN - LÓPEZ URÍAS, FLORENTINO - MUÑOZ SANDOVAL, EMILIO
0167	OPTO-THERMAL TECHNIQUE FOR MEASURING THERMAL CONDUCTIVITY OF POLYACRYLONITRILE BASED CARBON FIBERS JANG, DAWON - LEE, DONGSU - JOH, HAN-IK - LEE, SUNGHO
0169	A COMPARATIVE STUDY ON THE LATERAL SIZE EFFECT OF THE MULTI-LAYERED GRAPHENE ON THE ELECTRICAL CONDUCTIVITY AN, JUNG-CHUL - LEE, EUN JUNG - YOON, SO-YOUNG - KIM, YONG-JUNG - LEE, SEONG-YOUNG
0170	A PDMS BASED 3 OMEGA SENSOR FOR THERMAL CHARACTERIZATION OF POLYMER COMPOSITES WITH CARBON FIBER OH, DONG-WOOK
0178	PREPARATION OF SILICON@ POROUS CARBON COMPOSITES BY DIFFERENT CARBON SOURCES FOR LITHIUM BATTERY ANODES FU, DONGJU - MIN, JIE - ZHANG, WEILI - CHEN, JIANJUN

Code	Title
0179	DEVELOPING OF COMPOSITE FROM BIOMASS-DERIVED ACTIVATED CARBONS WITH CARBON NANOTUBES FOR ELEC-TROCHEMICAL ELECTRODES TEMIRGALIYEVA, TOLGANAY - KUZUHARA, SOKI - NODA, SUGURU - NAZHIPKYZY, MERUYERT - MANSUROV, ZULKHAIR - LESBAYEV, BAKHYTZHAN - PRIKHODKO, NIKOLAY
0180	PREPARATION OF MESOCARBON MICROBEADS/SHORT CARBON FIBER COMPOSITES DERIVED FROM DIFFERENT SIZED MESOCARBON MICROBEADS IM, UISU - LEE, BYUNG-ROK - PECK, DONG-HYUN - JUNG, DOOHWAN
0184	NANOPOROUS CARBON COMPOSITES – SYNTHESSES AND CHARACTERISTICS GAWDZIK, BARBARA - SOBIESIAK, MAGDALENA - PODKOŚCIELNA, BEATA - PODDUBNAYA, OLGA I. - PUZIY, ALEXANDER
0187	THEROMCHEMICAL CONVERSIONS OF DVB-MA-TMVS TERPOLYMERS DURING THEIR CARBONIZATION PROCESS SOBIESIAK, MAGDALENA - GAWDZIK, BARBARA - PODKOŚCIELNA, BEATA - PODDUBNAYA, OLGA I. - PUZIY, ALEXANDER
0196	IMPACT OF PRIMARY AND SECONDARY BEADS OF CARBON ENTEROSORBENT ON EPR PARAMETERS OF RATS WITH CYTOSTATIC NEUTROPENIA SNEZHKOVA, ELISAVETA - PYATCHANINA, TETIANA - BURLAKA, ANATOLIY - NIKOLAEV, VOLODYMYR - MAZUR, MARIA - KOZYNNCHENKO, OLEKSANDR - SHEVCHUK, OKSANA
0199	SHRINKAGE MINIMIZATION IN ORGANIC GELS OBTAINED BY MICROWAVE HEATING CANAL-RODRÍGUEZ, MARIA - VILLANUEVA, SARA F. - MONTES-MORAN, MIGUEL - MENÉNDEZ, J. ANGEL - ARENILLAS, ANA
0200	COMPARATIVE EVALUATION OF TWO FORMULATIONS OF ACTIVATED CARBON USED AS ENTEROSORBENTS IN THE TREATMENT OF EXPERIMENTAL LIVER KOZYNNCHENKO, OLEKSANDR - SNEZHKOVA, ELISAVETA - T.V., DATSKO - NIKOLAEV, VOLODYMYR - SYDORENKO, OLEKSIY - BARDA-KHIVSKA, KVITOSLAVA - MAZUR, MARIA - LA, SAKHNO
0202	BIOPHYSICAL STUDY OF THE EFFECTIVENESS OF TWO FORMULATIONS OF NANO/MACROPOROUS CARBON ENTERO-SORBENTS IN THE TREATMENT OF EXPE KOZYNNCHENKO, OLEKSANDR - SARNATSKAYA, VERONIKA - PROKOPENKO, IGOR - YUSHKO, LARYSA - SIDORENKO, ALEXEI - MASLENNY, VITALY - NIKOLAEV, VLADIMIR
0207	ION SELECTIVE SUBNANOMETER SIZED NANOWINDOWS OF SINGLE WALL CARBON NANOHORNS TANIGAKI, NAOTO - MURATA, KATSUYUKI - HAYASHI, TAKUYA - KANEKO, KATSUMI
0211	G-C3N4/CARBON COMPOSITES FOR LITHIUM-SULFUR BATTERIES ZHANG, HAN - ZHAO, ZONGBIN - HOU, YANAN - ZHANG, ZHICHAO - WANG, XUZHEN - QIU, JIESHAN
0214	SIMULTANEOUS TAGGING AND ENHANCEMENT OF CARBON FIBER/EPOXY INTERFACE BY UPCONVERSION LUMINESCENT NANOPARTICLES LIU, DAWEI - LI, GANG - YANG, XIAOPING
0216	ADSORPTION OF CO2 ON N-ENRICHED POROUS CARBON DERIVED FROM CROSSLINKED POLYETHYLENEIMINE SPHERE CHEN, SHUIXIE - LIU, FENGLEI - SUN, PENG
0219	PRIMARY AND SECONDARY BEADS OF CARBON ENTEROSORBENT AND OXIDATIVE STRESS' INDICES IN MELPHALAN SINGLE INJECTION SNEZHKOVA, ELISAVETA - SHEVCHUK, OKSANA - MIKHAILENKO, VIKTOR - GLAVIN, ALEXEI - MAKOVETSKA, LYUDMILA - BARDAKH-IVSKA, KVITOSLAVA - NIKOLAEV, VOLODYMYR - SARNATSKAYA, VERONIKA - KOZYNNCHENKO, OLEKSANDR
0220	CHARPHITE PROJECT: COAL CHAR AS A SUBSTITUTING MATERIAL OF NATURAL GRAPHITE IN GREEN ENERGY TECH-NOLOGIES SANTOS, ANA - BIALECKA, BARBARA - CALUS-MOSZKO, JOANNA - CRUCERU, MIHAI - FREIRE, CRISTINA - GUEDES, ALEXANDRA - LAZARO-MARTINEZ, JUAN - POPESCU, LUMINITA - PREDEANU, GEORGETA - VALENTIM, BRUNO - WAGNER, NICOLA
0224	PREPARATION OF NOVEL MATERIALS FOR ELECTRODE OF ENERGY DEVICES BY ELECTRO SPINNING AND NANOHY-BRID OSHIDA, KYOICHI - MINAMISAWA, TAKUNORI - ANDO, AKINOBU - KOBAYASHI, NOZOMI - MISAWA, DAIKI - ITAYA, TOMOYUKI - OSA-WA, KOZO - MURATA, MASAHICO - MORIYAMA, MINORU - HATA, TOSHIMITSU
0227	SYNTHESIS OF BIO-COMPATIBLE GRAPHENE QUANTUM DOTS BY THERMAL DECOMPOSITION OF SILICON CARBIDE LEE, NA EUN - LEE, SANG YOON - LIM, HYUNG SAN - PARK, YANG JEONG - KIM, JUNG WOO - LEE, JU HYUK - CHO, SUNG OH - JEONG, JONG-MIN - JEONG, WON-IL - CHO, YONG-HOON
0229	THE EFFECT OF TWO FORMULATIONS OF NANO/MACROPOROUS CARBON ENTEROSORBENTS ON OXIDATIVE STRESS INDEXES OF EXPERIMENTAL ANIMALS SANATSKAYA, VERONIKA - MIKHALENKO, VIKTOR - SHEVCHUK, OKSANA - GLAVIN, ALEXEI - MAKOVETSKA, LYDMILA - SAKHNO, LARYSA - YUSHKO, LARYSA - KOZYNNCHENKO, OLEKSANDR - NIKOLAEV, VLADIMIR
0235	NITROGEN-DOPED MESOPOROUS CARBONS PREPARED BY USING COPOLYMER TEMPLATES FOR ENHANCED AD-SORPTION OF HEAVY METAL IONS YE, GANG - SONG, YANG
0238	MOS2 DECORATED HOLEY GRAPHENE BASED CORE-SHEATH FIBERS FOR SUPERCAPACITORS WITH HIGH ENERGY DENSITY AND RATE CAPABILITY WANG, CHAOJUN - ZHAI, SHENGLI - CHEN, YUAN

Code	Title
0241	PREPARATION OF CARBON FIBER USING ASH FREE COAL PYROLYSIS RESIDUE LEE, SEON HO - LEE, SONG MI - PECK, DONG-HYUN - LEE, BYUNG-ROK - SHUL, YONG GUN - JUNG, DOO-HWAN
0242	FLEXIBLE VOC SENSORS USING CONDUCTIVE POLYMERS AND CARBON FIBER ELECTRODES FOR APPLICATION TO TEXTILES KIM, TAEKYEONG - JEONG, EUIGYUNG - BAE, JINSEOK - LEE, JUNHEON - PARK, JIHOON - LEE, JAEWOONG
0243	ULTRAFAST HYDROTHERMAL ASSEMBLY OF NANOCARBON MICROFIBERS IN NEAR-CRITICAL WATER FOR 3D MICRO-SUPERCAPACITORS ZHAI, SHENGLI - CHEN, YUAN
0245	VERTICAL MOS2 NANOSHEETS/HYDROGENATED GRAPHENE HYBRID CATALYSTS FOR EFFICIENT AND STABLE HYDRO-GEN EVOLUTION REACTION TONG, XILI - HAN, XIUXIU - GUO, XIANGYUN
0246	INVESTIGATION ON CHEMICAL STRUCTURE EVOLUTION OF REDUCED GRAPHENE OXIDE UNDER SUPER-HIGH TEMPERATURE KONG, QINGQIANG - CHEN, CHENGMENG
0254	THE EFFECT OF CNTS FOR CFRTPS MADE WITH POLYAMIDE 6 SHIBATA, MASATAKA - IRISAWA, TOSHIHIRA - TANABE, YASUHIRO
0255	ELASTIC REARRANGEMENT OF STACKED NANOGRAPHENES UNDER HIGH PRESSURE COMPRESSION CHOTIMAH, NURUL - PUTRI, AUSTINA D - ONO, YUJI - HATTORI, YOSHIYUKI - WANG, SHUWEN - FUTAMURA, RYUSUKE - URITA, KOKI - VALLEJOS-BURGOS, FERNANDO - NEIMARK, ALEXANDER V - KANEKO, KATSUMI
0259	MACROPOROUS MONOLITHIC CARBON XEROGEL VIA TEMPLATE-FREE METHOD FROM RESORCINOL AND FORMALDE-HYDE CHOI, GUN - LEE, JAE YOUNG - YOON, TAE-HO
0260	CARBON FIBERS SUPPORTED NISE NANOWIRE ARRAYS AS EFFICIENT AND FLEXIBLE ELECTROCATALYSTS FOR THE OXYGEN EVOLU-TION REACTION GUO, XIANGYUN - TONG, XILI - GUO, XIAONING
0262	APPLICATION OF THE SI-B-C-O COATING ON POROUS CARBON BODIES FOR HIGH TEMPERATURE THERMAL PROTECTION LI, TONG-QI - ZHANG, DAH-AI - JIAO, XING-JIAN - FENG, ZHI-HAI
0263	ACTIVATED CARBON FROM GRAPE SEEDS UPON HYDROTHERMAL CARBONIZATION AND CHEMICAL ACTIVATION MANZANO, JAVIER - VILLAMIL, JOHN - F. MENA, ISMAEL - DIAZ, ELENA - F. MOHEDANO, ANGEL - RODRIGUEZ, JUAN J.
0267	HYDROPHOBIC CARBON MATERIALS AS BIPHASIC MICRORREACTOR FOR CATALYTIC APPLICATIONS IN AQUEOUS MEDIA CALVO-CASTAÑERA, FELICIANO - ALVAREZ-RODRIGUEZ, JESUS - CANDELA, NURIA - MAROTO-VALIENTE, ANGEL
0269	NOVEL HYBRID MATERIAL BASED ON BIMETAL OXYHYDROXIDES (FE:CE)-GAC FOR SUPERIOR AS(V) REMOVAL VENCES-ALVAREZ, ESMERALDA - RANGEL-MENDEZ, RENE
0272	FLEXIBLE AND ULTRASENSITIVE FABRICS-BASED CARBON COMPOSITES SENSOR FOR DETECTING HUMAN MOTIONS LIANG, JINGJING - ZHAO, ZONGBIN - TANG, YONGCHAO - ZHANG, HAN - WANG, XUZHEN - QIU, JIESHAN
0273	N-DOPED MESOPOROUS CARBON NANOSHEETS DERIVED FROM MOFS FOR HIGH-RATE SUPERCAPACITORS HOU, YANAN - ZHAO, ZONGBIN - ZHANG, HAN - WANG, XUZHEN - QIU, JIESHAN
0274	SYNTHESIS OF GRAPHENE-CNT HYBRID MATERIALS AND THEIR ELECTROCHEMICAL APPLICATIONS SONG, JUN HO - RYU, JAE SEUNG - WOO, SANG CHEOL - LEE, CHURL SEUNG - PARK, JI SUN - KIM, YOUNG KWON
0278	VARIABLE TEMPERATURE RAMAN SCATTERING ON MICROMECHANICS OF CARBON FIBER REINFORCED POLYIMIDE/CNTS COM-POSITES RAN, MIN - SONG, YUNJIA - WU, QILIN
0280	ON THE RELIABILITY OF SODIUM CO-INTERCALATION IN EXPANDED GRAPHITE PREPARED BY DIFFERENT METHODS AS ANODES FOR SODIUM-ION BAT CABELLO, MARTA - BAI, XUE - CHYRKA, TARAS - ORTIZ, GREGORIO - LAVELA, PEDRO - ALCANTARA, RICARDO - TIRADO, JOSE
0282	THE STUDY OF INTERFACIAL ADHESION OF CFRTP MADE WITH IN-SITE POLYMERIZABLE THERMOPLASTICS KOBAYASHI, SARASA - TANABE, YASUHIRO - IRISAWA, TOSHIHIRA
0286	HIERARCHICALLY MICRO/MESOPOROUS CARBONS OBTAINED FROM ZIF-8/GRAPHENE OXIDE HYBRIDS BY A NOVEL NANOPORE LITHOGRAPHY APPROACH MARTIN-JIMENO, FRANCISCO JULIAN - SUAREZ GARCIA, FABIAN - PAREDES, JUAN IGNACIO - MARTINEZ-ALONSO, AMELIA - TAS-CÓN, JUAN M.D.
0294	SYNTHESIS AND HYDROGEN STORAGE PROPERTIES OF NICKEL NANOPARTICLES-CARBONACEOUS MATERIAL COM-POSITE KITAZAKI, AKIHITO - OHTSUKA, YOHEI - KINUMOTO, TARO - TSUMURA, TOMOKI - TOYODA, MASAHIRO

Code	Title
0297	A STUDY ON MECHANICAL STRENGTH AND DAMPING BEHAVIOR OF CARBON FIBERS/MODIFIED CNT-REINFORCED EPOXY COMPOSITE SHAFT CHOI, WOONGKI - KUK, YUNSU - YOON, GEUMRAN - CHOI, SUN-WOONG - PARK, YONG-MIN - SEO, MIN-KANG
0299	PRESSURIZED PHYSICAL ACTIVATION: EFFICIENT AND FACILE PRODUCTION METHOD OF HIGHLY POROUS ACTIVATED CARBONS YI, HYEONSEOK - NAKABAYASHI, KOJI - YOON, SEONG-HO - MIYAWAKI, JIN
0300	PREPARATION OF CHITIN DERIVED ACTIVATED CARBON AS AN EFFECTIVE REMOVAL ABSORBENT FOR FORMALDE-HYDE SICK-HOUSE GAS RYU, DONG-YEON - SHIMOHARA, TAKAAKI - NAKABAYASHI, KOJI - MIYAWAKI, JIN - YOON, SEONG-HO
0307	NANOTEXTURING TIO2 OVER CARBON NANOTUBES FOR HIGH ENERGY AND POWER DENSITY PSEUDOCAPACITORS IN ORGANIC ELECTROLYTES POIROT, NATHALIE - RAJALINGAM, VENKATESAN - RAYMUNDO-PIÑERO, ENCARNACION
0312	COAL BOTTOM ASH RECYCLING FOR RARE EARTH ELEMENTS RECOVERING FOR SOLAR COLLECTORS SANTOS, ANA - ABAGIU, ALEXANDRU - BIALECKA, BARBARA - CALUZ-MOSZKO, JOANNA - GONCALVES, PAULA - GUEDES, ALEXAN-DRA - POPESCU, LUMINITA - PREDEANU, GEORGETA - SLAVESCU, VALERICA - VALENTIM, BRUNO
0314	CARBON MATERIALS DOPED WITH AMINOCUMULENE AS DISPERSANT AND N-CONTAINING PRECURSOR ENHANCE CO2 ELECT-ROREDUCTION REACTION GERASIMOVA, ALENA - GARCÍA-CRUZ, LETICIA - MELEZHIK, ALEXANDER - ALEKHINA, OLGA - MONTIEL, VICENTE - TKACHEV, ALEK-SEY - INIESTA, JESÚS
0316	SYNTHESIS OF AMINOCUMULENE VIA POLYCONDENSATION OF HEXAMETHYLENETETRAMINE. SPECTRAL CHARACTERIZATION AND APPLICATIONS AS DISP GERASIMOVA, ALENA - GARCÍA-CRUZ, LETICIA - MELEZHIK, ALEXANDER - ALEKHINA, OLGA - DYACHKOVA, TATYANA - MONTIEL, VICENTE - TKACHEV, ALEKSEY - INIESTA, JESUS
0317	A STUDY OF ELECTRICAL, MECHANICAL AND THERMAL CHARACTERISTICS OF NON-WOVEN FABRIC HEATING SHEETS WITH CHOPPED CARBON FIBER LEE, SORA - KIM, WONSEOK
0320	HIGHLY ACTIVE NICKEL/CARBON CATALYSTS PREPARED BY CARBONIZATION OF A NICKEL/2-METHYL-IMIDAZOLE BASED ORGANOMETALLIC FRAMEWORK MARTÍN JIMENO, FRANCISCO JULIÁN - SUÁREZ GARCÍA, FABIÁN - PAREDES NACHÓN, JUAN IGNACIO - ALONSO MARTÍNEZ, AMELIA - DíEZ TASCÓN, JUAN MANUEL
0327	POLYETHYLENE/CARBON NANOTUBES NANOCOMPOSITE FOR WATER VAPOR EXTRACTION FROM HUMID AIR ARAUJO PINHEIRO, ROMARIO - ARAUJO SILVA, AMANDA - TRAVA-AIROLDI, VLADIMIR JESUS - CORAT, EVALDO JOSE
0329	CARBON NANOTUBES UNZIPPED ON GRAPHITE AND THEIR CAPACITIVE PERFORMANCE IN SALT/BRACKISH WATER FOR CDI SYS-TEMS ARAUJO SILVA, AMANDA - ARAUJO PINHEIRO, ROMÁRIO - TRAVA-AIROLDI, VLADIMIR JESUS - CORAT, EVALDO JOSE
0330	APPLICATION OF CARBON NANOTUBES GROWN ON GRAPHITE FOR CAPACITIVE DEIONIZATION ARAUJO SILVA, AMANDA - ARAUJO PINHEIRO, ROMÁRIO - TRAVA-AIROLDI, VLADIMIR JESUS - CORAT, EVALDO JOSE
0337	HIGHLY PYRIDINIC N-DOPED CARBONS FROM ALGAE BIOMASS WITH HIGH PERFORMANCE TOWARDS SUPERCAPACITORS AND OXYGEN REDUCTION TIAN, ZHONGWEI - ZHANG, TIANYUN - CAI, JINJUN
0339	IMMERSION ENTHALPY OF ACTIVATED CARBONS WITH DIFFERENT OXYGEN CONTENT IN TOLUENE-HEXANE MIX-TURES HERNÁNDEZ-MONJE, DIANA - GIRALDO, LILIANA - MORENO-PIRAJAN, JUAN CARLOS
0340	GRAPHENE OXIDE MEMBRANES INTERCALATED WITH ZIRCONIUM-BASED METAL-ORGANIC FRAMEWORKS SUI, XIAO - CHEN, YUAN
0341	PREPARATION OF TIN OXIDE NANOFIBERS USING CARBON NANOFIBERS AS A TEMPLATE AND ITS APPLICATION TO SECONDARY BATTERY NAKABAYASHI, KOJI - YOSHIDA, SHO - MIYAWAKI, JIN - YOON, SEONG-HO
0343	DEVELOPING ENHANCED ANODE MATERIALS FOR LIB WITH HYPER COAL COATING ON THE GRAPHITE SURFACE NAKABAYASHI, KOJI - CHUNG, DABIN - MIYAWAKI, JIN - YOON, SEONG-HO
0344	ELECTROCHEMICAL PERFORMANCES OF JOULE-HEATED ACTIVATED CARBON FOR ENHANCED EDLC KIM, ICK-JUN - YANG, SUNHYE - IM, SANG-MIN
0347	INVESTIGATION OF REMOVAL MECHANISMS OF ACETALDEHYDE BY ANILINE SUPPORTED CELLULOSE-BASED ACTIVAT-ED CARBON FIBER RYU, DONG-YEON - SHIMOHARA, TAKAAKI - NAKABAYASHI, KOJI - UEDA, MORIO - KEIKO, IDETA - MIYAWAKI, JIN - MOCHIDA, ISAO - YOON, SEONG-HO
0350	BROMINATION OF ZIGZAG AND ARMCHAIR EDGES HIRAMATSU, SHINTA - MASAKI, SHIORI - YAMADA, YASUHIRO - KUBO, SHINGO - SATO, SATOSHI

Code	Title
0351	INFRARED-RAY SPECTROSCOPIC ANALYSIS OF BROMINATED GRAPHENE NANORIBBON HIRAMATSU, SHINTA - MASAKI, SHIORI - YAMADA, YASUHIRO - SATO, SATOSHI
0353	STRUCTURAL CONTROL OF NITROGEN-DOPED CARBON MATERIALS WITH THE AID OF COMPUTATIONAL CHEMISTRY MURATA, MASATOSHI - YAMADA, YASUHIRO - KUBO, SHINGO - SATO, SATOSHI
0356	SYNTHESIS OF MESOPOROUS CARBON WITH TURBOSTRATIC CARBON LAYER WALLS THROUGH IRON CITRATE AND ITS ELECTROCHEMICAL PROPERTY KITAZAKI, AKIHITO - KUROKI, CHIKA - TSIMURA, TOMOKI - KINUMOTO, TARO - TOYODA, MASAHIRO
0361	RAMAN SPECTROSCOPY ON SOOT PRODUCED FROM A MINI-CAST SOOT GENERATOR: IMPACT ON SOOT STRUCTURE FROM HEATING ... LE, KIM CUONG - TØRØK, SANDRA - PINO, THOMAS - BENGTSSEN, PER-ERIK
0362	THE INFLUENCE OF HIGH-ACTIVE CARBON-CONTAINING MIXTURES ON COMBUSTION OF CONDENSED SYSTEMS BAKKARA, AYAGOZ
0367	PREPARATION OF NIFE2O4/MULTI-WALLED CARBON NANOTUBES HYBRIDS: APPLICATION FOR THE REMOVAL OF DI-CLOFENAC IN CWPO PROCESS HUACCALLO-AGUILAR, YSABEL - ALVAREZ-TORRELLAS, SILVIA - AGUEDA, V. ISMAEL - DELGADO, JOSE ANTONIO - OVEJERO, GABRI-EL - GARCIA, JUAN
0368	ALCOHOL DEHYDROGENATION ON KRAFT LIGNIN-DERIVED CHARS WITH SURFACE BASICITY ROSAS, JUANA Mª - GARCIA-MATEOS, FRANCISCO J - MOULEFERA, IMANE - BENYOUCEF, ABDELGHANI - RODRIGUEZ-MIRASOL, JOSE - CORDERO, TOMAS
0369	FLEXIBLE AND LOW-COST BINDERLESS CAPACITORS BASED ON P- AND N-CONTAINING FIBROUS ACTIVATED CARBONS FROM DENIM CLOTH WASTES CORDERO-LANZAC, TOMÁS - GARCIA-MATEOS, FRANCISCO J - ROSAS, JUANA Mª - RODRIGUEZ-MIRASOL, JOSE - CORDERO, TOMAS
0371	ACTIVATED CARBONS AS CATALYTIC SUPPORT FOR CU NANOPARTICLES MARTIN, F. JAVIER - YANG, CHIA.MIN - GARCÍA MATEOS, FRANCISCO JOSÉ - GUERRERO-PÉREZ, M. OLGA - RODRIGUEZ-MIRASOL, JOSÉ - CORDERO, TOMÁS
0372	INFLUENCE OF MAJOR POST-COMBUSTION FLUE GAS SECONDARY COMPONENTS ON CO2 ADSORPTION OVER RE-NEWABLE CARBON BASED MATERIALS ROSAS, JUANA Mª - CALVO-MUÑOZ, ELISA M. - GARCIA-MATEOS, FRANCISCO J - RODRIGUEZ-MIRASOL, JOSE - CORDERO, TOMAS
0379	ADSORPTION OF CO2, CO, AND N2 ON POROUS CARBONS WITH DIFFERENT MICROTEXTURAL AND SURFACE CHEMI-CAL HETEROGENEITIES KIM, MOON HYEON - YANG, KI HYUCK - NGUYEN, THI PHUNG THAO
0382	SYNTHESIS BY METHOD OF ELECTROSPINING OF COMPOSITE CARBON NANOFIBERS OF SPECIAL PURPOSE PRIKHODKO, NIKOLAY - SMAGULOVA, GAUKHAR - RAKHIMZHAN, NURGALY - LESBAYEV, BAKHYTZHAN - NAZHIPKYZY, MERUYERT - KAYDAR, BAYAN - MANSUROV, ZULKHAIR
0385	BEYOND KOH ACTIVATION FOR THE SYNTHESIS OF HIGHLY POROUS CARBONS FOR SUPERCAPACITOR ELECTRODES SEVILLA, MARTA - FERRERO, GUILLERMO A. - FUERTES, ANTONIO B
0386	TINIDAZOLE DEGRADATION ASSISTED BY SOLAR RADIATION AND IRON-DOPED SILICA XEROGELS ACOSTA-RANGEL, AURORA - SÁNCHEZ-POLO, MANUEL - SÁNCHEZ-POLO, ANA MARÍA - BERBER-MENDOZA, MARÍA SELENE - RIVE-RA-UTRILLA, JOSÉ - ROZALEN-ASTUDILLO, MARIA LUISA - LÓPEZ-RAMÓN, MARÍA VICTORIA
0389	SYNTHESIS OF RUTHENIUM CARBON NANOSPHERES AS CATALYST FOR ENVIRONMENTAL APPLICATIONS SERRA-PÉREZ, ESTRELLA - ÁLVAREZ-TORRELLAS, SILVIA - DELGADO, JOSÉ ANTONIO - AGUEDA, VICENTE ISMAEL - OVEJERO, GABRI-EL - GARCÍA, JUAN
0390	EFFICIENT REMOVAL OF BISPHENOL A BY ADSORPTION ONTO CARBON ADSORBENTS HENÁNDEZ-ABREU, ANA BELÉN - GOFFIN-MEDINA, SHAROL - NIETO-NARANJO, PATRICIA - ÁLVAREZ-TORRELLAS, SILVIA - ÁGUEDA, VICENTE ISMAEL - DELGADO, JOSE ANTONIO - OVEJERO, GABRIEL - GARCÍA, JUAN
0396	COAL CHAR AS ELECTROCATALYST FOR THE OXYGEN REDUCTION AND EVOLUTION REACTIONS NUNES, MARTA - SANTOS, ANA CLAUDIA - VALENTIM, BRUNO - FREIRE, CRISTINA
0397	HALIDE REMOVAL FROM AQUEOUS SOLUTION BY NOVEL SILVER-POLYMERIC MATERIALS SÁNCHEZ-POLO, ANA MARÍA - LÓPEZ-PEÑALVER, JESÚS J. - SÁNCHEZ-POLO, MANUEL - RIVERA-UTRILLA, JOSÉ - VELO-GALA, IN-MACULADA - LÓPEZ-RAMÓN, MARÍA VICTORIA
0399	SULFONIC ACID-FUNCTIONALIZED COAL FLY ASHES: NEW SOLID ACID CATALYSTS FOR ESTERIFICATION REACTIONS PEIXOTO, ANDREIA - SILVA, SONIA - NUNES, MARTA - SANTOS, ANA CLAUDIA - VALENTIM, BRUNO - FREIRE, CRISTINA
0400	USE OF NANOSTRUCTURED MATERIALS AS ANTICANCER DRUG CARRIERS ROZALEN-ASTUDILLO, MARÍA LUISA - ACOSTA-RANGEL, AURORA - SÁNCHEZ-POLO, ANA MARÍA - FERNÁNDEZ-PERALES, M. - SÁN-CHEZ-POLO, MANUEL - RIVERA-UTRILLA, JOSÉ - LÓPEZ-RAMÓN, MARÍA VICTORIA

Code	Title
0407	CARBON MONOLITHS BASED ON TWO CARBON PHASES AS ELECTRODES FOR SUPERCAPACITORS LILLO RODENAS, MARIA ANGELES - KUNOWSKY, MIRKO - MORENO-FERNÁNDEZ, MARIA ANGELES - ROJO, JOSE MARIA - IBAÑEZ, JOAQUÍN M.
0414	NEUTRON IRRADIATION EFFECTS ON NUCLEAR GRAPHITE MICROSTRUCTURE CONTESCU, CRISTIAN
0420	CATALYTIC GRAPHITIZATION OF NI-P COATED PAN-BASED CARBON FIBERS TZENG, SHINN-SHYONG - LIN, YU-HON - HUANG, YING-TZU
0430	DESIGN AND OPTIMISATION OF PEROVSKITE-CARBON COMPOSITE ELECTROCATALYSTS FOR ORR AND OER DOSZCZECZKO, SZYMON
0449	PREPARATION AND CHARACTERIZATION OF ACTIVATED CARBONS ISSUED FROM ALGERIAN COALS BENCHEIKH, WAHIBA - BELHACHEMI, MERIEME - ADDOUN, ABDELHAMID
0455	NOVEL KINETIC INTERPRETATION OF THE CARBON-NO REACTION: N2O VS. NO2 AS INTERMEDIATES. OYARZÚN-ARAVENA, ANDREA M.
0460	HIGHLY GRAPHITIZED CARBON NANOCAGES CONFINING SULFUR FOR HIGH PERFORMANCE LITHIUM-SULFUR BATTERIES XIA, YUAN
0461	MICROWAVE-ASSISTED SYNTHESIS OF A GRAPHENE– Bi8La10O27 NANOCOMPOSITE AS AN EFFICIENT CATALYTIC COUNTER ELECTRODE FOR DYE-SENS YUNRAPACH, AREEROB - OH, WON-CHUN
0462	DEFORMATION MECHANISMS OF PAN BASED-CNT COMPOSITES: MOLECULAR DYNAMICS (MD) SIMULATION APPROACH HEO, SO JEONG - CHAE, HAN GI - LEE, SEUNG GEOL
0463	INCREASE IN SPECIFIC SURFACE AREA AND CHANGE IN INTERNAL STRUCTURE OF CARBON BLACK IN RELATION TO ISOTHERMAL OXIDATION TIME LEE, SANG MIN - BAEK, UN GYEONG - ROH, JAE SEUNG
0464	THE EFFECT OF CARBON FILLERS IN BINDERS ON THE IMPROVED JOINING STRENGTH OF ISOTROPIC BULK GRAPHITE BAEK, UN-GYEONG - KANG, DONG-SU - LEE, SANG-MIN - ROH, JAE-SEUNG
0468	MODELING MULTISCALE KEROGEN POROSITY YANN, MAGNIN - ROLAND, PELLENG - JEREMIE, BERTHONNEAU - FRANZ-JOSEPH, ULM
0475	A CARBON BLACK CEMENT COMPOSITE FOR TRAFFIC MONITORING COSTA, PEDRO - MONTEIRO, ANDRE - OESER, MARKUS - CACHIM, PAULO
0477	DISPERSION OF CARBON NANOTUBES IN POLYMER-MATRIX COMPOSITES INVESTIGATED BY THZ SPECTROSCOPY KANG, SEUNG BEOM - PARK, YOUNG SOO - KIM, JI YEON - KIM, WON-SEOK - CHOI, YOUNG CHUL - CHUNG, DONG CHUL
0483	PROTECTIVE EFFECT OF A CARBON AEROGEL IN METAL ORGANIC FRAMEWORK/CARBON AEROGEL SYSTEMS DOMÁN, ANDREA - MADARÁSZ, JÁNOS - LÁSZLÓ, KRISZTINA
0484	THE EFFECT OF DRY-BAG ISOSTATIC PRESSING ON COLD-STATE PERFORMANCE OF GRAPHITE MATRIX SPHERES LU, ZHENMING
0485	CRYSTALLINE CARBON NANOPARTICLES IN THERMORESPONSIVE SMART GELS BERKE, BARBARA - CZAKKEL, ORSOLYA - LÁSZLÓ, KRISZTINA
0496	HIERARCHICAL HEMATITE NANOSTRUCTURE FILM MODIFIED WITH CARBON-BASED MATERIAL FOR PHOTOCHEMICAL WATER SPLITTING GUO, QIAN
0499	CARBON MONOLITHS WITH HIERARCHICAL POROUS STRUCTURE FOR ALL-VANADIUM REDOX FLOW BATTERIES VIVO-VILCHES, JOSE F. - ETIENNE, MATHIEU - KARAKASHOV, BLAGOJ - CELZARD, ALAIN - FIERRO, VANESSA - BROSSE, NICOLAS - DUFOUR, ANTHONY
0503	CARBON NANOFIBERS AS ELECTRODES FOR VANADIUM REDOX COUPLES ELECTROCHEMISTRY VIVO-VILCHES, JOSE F. - ETIENNE, MATHIEU - CELZARD, ALAIN - FIERRO, VANESSA - BROSSE, NICOLAS - DUFOUR, ANTHONY
0506	SHAPED NANOPOROUS CARBON ADSORBENT FOR LOW-TEMPERATURE ADSORPTION ACCUMULATION OF NATURAL GAS SHKOLIN, ANDREY - FOMKIN, ANATOLY - MEN’SCHCHIKOV, ILYA
0508	CREATION THE HEATING TEXTILE BY SYNTHESIS OF CARBON NANOTUBES ON THE GLASS CLOTH MANSUROV, NURKADYR - KIM, SOL - PRIKHODKO, NIKOLAY - SMAGULOVA, GAUKHAR
0512	MISCANTHUS BIOMASS WASTES AS PRECURSORS FOR ACTIVATED CARBONS GÓRSKA, BARBARA - GARCÍA RÍOS, AIDA - BABUCHOWSKA, PAULINA - PRZYGOCKI, PATRYK - BÉGUIN, FRANÇOIS

Code	Title
0518	THE CHARACTERISTICS OF HYDROGEN ADSORBED ON CARBONACEOUS MATERIALS. KUMAGAI, HARUO
0520	ELECTROCHEMICAL CAPACITORS BASED ON CARBON NANOSHEETS ASSEMBLED IN HOLLOW FIBERS SAGISAKA, KENTO - KIMURA, MUTSUMI - HATTORI, YOSHIYUKI
0528	SUPER-HIGH RATE SODIUM-IOM STORAGE PERFORMANCE OF Bi2Se3/GRAPHENE LI, DAN - ZHOU, JISHENG - SONG, HUIAIHE - CHEN, XIAOHONG
0529	A STUDY ON CFRP JOINT TEST ANALYSIS BY SURFACE TREATMENT LEE, MIN-GU - HUH, MONG-YOUNG - PARK, KIL-YOUNG
0530	CREATIVE SYNTHESIS OF N, O-CODOPED MESOPOROUS CARBON FOR SODIUM STORAGE ZHOU, CHUNLI - CHEN, XIAOHONG - JIA, MENGQIU - ZHOU, JISHENG - MA, ZHAOKUN - SONG, HUIAIHE
0532	HETEROGENOUS FENTON REACTION USING CARBON-FE CATALYST COUPLED TO AN IN SITU H2O2 ELECTROGENERATION FOR WASTEWATER TREATMENT ZARATE-GUZMAN, ANA ITZEL - GONZALEZ-GUTIERREZ, LINDA VICTORIA - TORRES-DELGADO, GERARDO - ROMERO-CANO, LUIS ALBERTO - MEDEL-REYES, ALEJANDRO - CARRASCO-MARIN, FRANCISCO
0533	SUPERHYDROPHOBIC CARBON “LOTUS” LEAVES FABRICATED BY CARBON NANOTUBES WITH SUPERIOR LOADING CAPACITY JIA, YI - CHEN, FEIFEI - WEI, JINQUAN
0534	LAMINATE DESIGN FOR CFRP APPLIED TO THE INTERMEDIATE SHAFT YOON, SUNGWON - HA, JONGROK - CHO, JEHYOUNG - KIM, TAEYEOP
0535	COAL-DERIVED GRAPHENE QUANTUM DOTS PRODUCED BY ULTRASOUND EXFOLIATION AND THEIR CAPACITY FOR CU(II) DETECTION YATING, YATING - REN, SHAOZHAO - LI, KEKE - DANG, YONGQIANG - LIU, GUOYANG - FU, SHIQI - QIU, JIESHAN
0540	STRUCTURAL ANALYSIS OF ENCAPSULATED FULLERENES INTO CARBON NANORINGS TOJO, TOMOHIRO - INADA, RYOJI - SAKURAI, YOJI
0541	AN EVALUATION FOR THE PROCESS-ABILITY OF HIGH PERFORMANCE COMPOSITES USING LIQUID TRANSFER MOLDING HA, JONG-ROK - YOON, SUNG-WON - KIM, KYEONG-SOO - KIM, NAM-HUN - CHO, JE-HYOUNG
0543	STUDY ON GELATION BEHAVIORS OF PAN POLYMER ACCORDING TO WATER CONTENT IN PAN/DMSO SYSTEM KUK, YUNSU - SEO, MIN-KANG - KUK, YUN-SU - CHOI, WOONG-KI - YOON, GEUM-RAN
0544	ENERGY-INTENSIVE COMPOSITION FOR DELAYS GABDRASHOVA, SHOLPAN - TULEPOV, MARAT - DALTON, ALAN - BAISEITOV, DAUREN - RAKHOVA, NURGUL - KAZAKOV, YURI
0546	THE OXIDATIVE STABILIZATION OF ISOTROPIC PITCH FIBER UNDER PRESSURE NAKABAYASHI, KOJI - LIU, JINCHANG - SHIMANOE, HIROKI - MIYAWAKI, JIN - YOON, SEONG-HO
0547	DELAYING COMPOSITION BASED ON MODIFIED COMPONENTS GABDRASHOVA, SHOLPAN - TULEPOV, MARAT - DALTON, ALAN - RAKHOVA, NURGUL - MANSUROV, ZULKHAIR - YURI, KAZAKOV - IGOR, PUSTOVALOV - SPANOVA, GALIYA - HAMZINA, BOLASH
0549	PREPARATION OF MESOPHASE PITCH DERIVED FROM HYPER-COAL WITH HIGH YIELD NAKABAYASHI, KOJI - INOUE, TOSHINORI - HAMAGUCHI, MAKI - SHIMANOE, HIROKI - MIYAWAKI, JIN - YOON, SEONG-HO
0553	STRUCTURAL CONTROL OF NANOCARBON COMPLEX MURATA, MASATOSHI - SHIMANO, NORIMICHI - YAMADA, YASUHIRO - KUBO, SHINGO - SATO, SATOSHI
0555	FABRICATION OF COBALT@TITANIA COATED WITH NITROGEN-DOPED CARBON LAYERS AS AN ELECTROCATALYST FOR ORR MIYAKE, KOJI - TAKEMURA, TOSHIKI - ZHU, YEXIN - HIROTA, YUICHIRO - UCHIDA, YOSHIAKI - NISHIYAMA, NORIKAZU
0559	A NANO-TEMPLATING APPROACH FOR THE DEPOSITION OF CARBON INSIDE ZEOLITE Y BOONYOUNG, PAWAN - KASUKABE, TAKATOSHII - HOSHIKAWA, YASUTO - NISHIHARA, HIROTOMO - KYOTANI, TAKASHI - NUEANG-NORAJ, KHANIN
0562	GRAPHENE OXIDE PROPERTIES INFLUENCE MEMBRANE WATER FILTRATION MORELOS-GOMEZ, AARON - SÁNCHEZ-SALAS, ROQUE - CRUZ-SILVA, RODOLFO - ORTIZ-MEDINA, JOSUE - MUÑOZ-SANDOVAL, EMILIO - LÓPEZ-URÍAS, FLORENTINO - TAKEUCHI, KENJI - TERRONES, MAURICIO - ENDO, MORINOBU
0564	EDLC CHARACTERISTIC OF FINE CARBON FIBER PREPARED VIA ELECTROSPINNING OF COAL EXTRACT TOYODA, MASAHIRO - WATANABE, HIROKI - INOUE, TOSHINORI - SAKAMOTO, HISATOSHI - WADA, SHOHEI - HAMAGUCHI, MAKI - KIKUCHI, NAOKI - KINUMOTO, TARO - TSUMURA, TOMOKI
0566	DEVELOPMENT OF SULFUR-IMPREGNATED ACTIVATED CARBON FOR PHENOL ADSORPTION FROM PITCH LEE, SONG MI - LEE, SEON HO - LEE, BYUNG-ROK - PECK, DONG-HYUN - JUNG, DOO-HWAN

Code	Title
0569	A FACILE ONE-POT SYNTHESIS OF BI2S3/CARBON NANOFIBERS COMPOSITE AS AN ELECTRODE MATERIAL FOR SUPERCAPACITOR APPLICATIONS MOYSEOWICZ, AGATA
0577	TAILORING PROPERTIES OF REDUCED GRAPHENE OXIDE BY MEANS OF OXYGEN PLASMA KONDRATOWICZ, IZABELA - NADOLSKA, MAŁGORZATA - ŻELECHOWSKA, KAMILA - SAWCZAK, MIROŚLAW
0583	HIGHLY STRETCHABLE, SENSITIVE STRAIN SENSORS BASED ON COMPRESSED ANISOTROPIC GRAPHENE FOAM/POLYMER NANO-COMPOSITES ZENG, ZHIHUI - LU, XUEHONG
0586	OXIDIZED CARBON MATERIALS FOR THE HYDROLYSIS OF CELLULOSE AZAR*, FATIMA-ZAHRA - LILLO RÓDENAS, MARIA ÁNGELES - ROMÁN-MARTÍNEZ, MARI CARMEN
0590	BIOMASS CONVERSION TO HIGH ADDED VALUE PRODUCTS BY RU-CARBON CATALYSTS AZAR, FATIMA-ZAHRA - PETRYN, DMYTRO - LILLO RÓDENAS, MARIA ÁNGELES - ROMÁN-MARTÍNEZ*, MARI CARMEN
0595	PREPARATION AND APPLICATION OF VARIOUS PCNF COMPOSITES FOR LOW TEMPERATURE FUEL CELL LEE, SEON HO - LEE, SONG MI - LEE, BYUNG-ROK - PECK, DONG-HYUN - SHUL, YONG GUN - JUNG, DOO HWAN
0596	COMPOSITE MATERIAL BASED ON ORGANOMETALIC-DERIVED CARBON AND METAL OXIDE NANOPARTICLES WITH IMPROVED ELECTROCHEMICAL PERFORMA ARENAS ESTEBAN, DANIEL - ÁVILA BRANDE, DAVID - URONES GARROTE, ESTEBAN - GONZALEZ GARCIA, PEDRO - OTERO DIAZ, LUIS CARLOS
0598	NEW METHOD FOR HIGH FLUORINE CONTENT AND CRYSTALLINITY FLUORINATED GRAPHITE JUNG, MIN-JUNG - HAN, JEONG-IN - KIM, JUNG GU - LEE, YOUNG-SEAK
0600	GAS ADSORPTION PROPERTIES OF MESOPOROUS GRAPHENE-MOF COMPOSITES SZCZĘŚNIAK, BARBARA - CHOMA, JERZY
0604	FABRICATION OF ALL-CARBON ELECTRIC FIELD TYPE ELECTRON EMISSION DEVICES USING METALLIC OR SEMICON- DUCTING SINGLE-WALLED CARBON KURODA, AKIHISA - SHIMOI, NORIHIRO - TOHJI, KAZUYUKI - SATO, YOSHINORI
0605	POLYPYRROLE-BASED MICROPOROUS CARBONS PREPARED IN THE PRESENCE OF ORGANIC POTASSIUM SALTS DZIURA, ALEKSANDRA - DZIURA, ROBERT - DRZEWIŃSKA, ANNA - CHOMA, JERZY
0608	HIGH-EFFICIENCY HEATING CHARACTERISTIC OF SIC FIBER MAT UNDER MICROWAVE CHO, KWANG YOUN - JOO, YOUNG JUN - KHISHIGBAYAR, KHOS-ERDENE
0609	PHOTOCATALYTIC OXIDATION OF PHENOL USING ZNO-DECORATED VERTICALLY ALIGNED CARBON NANOTUBES OLIVEIRA, INÊS - GIRÃO, ANA - SILVA, RICARDO - FARIA, JOAQUIM - SILVA, CLÁUDIA - SILVA, RUI
0610	ELECTROSTATIC PROPERTIES OF GRAPHENE NANORIBBONS UNDER AN EXTERNAL ELECTRIC FIELD GAO, YANLIN - OKADA, SUSUMU
0612	CROSSOVER FROM KAGOME TO DIRAC BANDS IN POROUS GRAPHITIC NETWORKS BY TOPOLOGICAL DESIGN MARUYAMA, MINA - OKADA, SUSUMU
0614	ELECTRONIC AND GEOMETRIC STRUCTURES OF GRAPHENE ADSORBING AL NANOPARTICLES UNDER AN EXTERNAL ELECTRIC FIELD MATSUBARA, MANAHO - OKADA, SUSUMU
0615	NOVEL CARBON-TI COMPOSITES BASED ON FUNCTIONALIZED CELLULOSE FOR PHOTOCATALYTIC WATER DECONTAM- INATION PEREZ-CADENAS, AGUSTIN FRANCISCO - HAMAD, HESHAM - BAILON-GARCIA, ESTHER - MORALES-TORRES, SERGIO - CARRAS- CO-MARIN, FRANCISCO - MALDONADO-HODAR, FRANCISCO JOSE
0616	PARTICLE SIZE REDUCTION AND CRYSTALLINITY CHANGE IN PAN-BASED CARBON FIBER LEE, SANG HYE - LEE, SANG MIN - HWANG, YOUNG MIN - ROH, JAE SEUNG
0618	SELF-TEMPLATED CARBON MATERIALS FROM THE CHLORINATION OF METAL ORGANIC FRAMEWORKS MARTIN-CALVO, SARA - ARENAS-ESTEBAN, DANIEL - SALCEDO-ABRAIRA, PABLO - HORCAJADA, PATRICIA - ÁVILA-BRANDE, DAVID
0620	THE USE OF P-PHENYLENEDIAMINE TO CONTROL GRAPHENE OXIDE MEMBRANE PORE-GAP AND STABILITY FOR WA- TER PURIFICATION KANDJOU, VEPIKA - HERNAEZ, MIGUEL - ACEVEDO, BEATRIZ - MAYES, ANDREW G. - MELENDI-ESPINA, SONIA - PEREZ MAS, ANA MATILDE
0625	TAILORING NITROGEN FUNCTIONAL GROUPS ON THE CARBON SURFACE FOR SUPERCAPACITOR ELECTRODE MATE- RIALS KIERZEK, KRZYSZTOF - CHOMIAK, KATARZYNA - MELENDI-ESPINA, SONIA - ACEVEDO, BEATRIZ - GONZÁLEZ, ZORAIDA - MOYSEO- WICZ, AGATA - MENÉNDEZ, ROSA - GRYGLEWICZ, GRAŻYNA
0629	MONOLITHIC GRAPHENE TREES AS ANODE MATERIAL FOR HYBRID CAPACITORS YANG, SUNHYE - JEONG, SEUNG YOL - IM, SANGMIN - KIM, MINCHUL - KIM, ICK-JUN

Code	Title
0630	SYNTHESIS OF GRAPHENE BY OXIDATION AND REDUCTION OF CU WITH ALCOHOL CHEMICAL VAPOR DEPOSITION OGATA, YUYA - GONNOKAMI, HIROMICHI - TACHIBANA, MASARU
0631	THERMAL PROPERTY OF EPOXY COMPOSITES WITH OXYFLUORINATED EXPANDED GRAPHITE CHOI, YE JI - LEE, KYEONG MIN - KANG, DA HEE - KONG, EUN YOUNG - LEE, YOUNG-SEAK
0633	GRAPHENE OXIDE MACROSCOPIC MULTILAYER ASSEMBLIES MASER, WOLFGANG - VÍCTOR-ROMÁN, SANDRA - HERNÁNDEZ-FERRER, JAVIER - ANSÓN-CASAOS, ALEJANDRO - GARCÍA-BORDEJÉ, ENRIQUE - BENITO, ANA M.
0636	FLUORINATION OF ACTIVATED CARBON FOR THE HARMFUL SUNSTANCE ADSORPTION PERFORMANCE IMPROVEMENT SONG, EUN JI - CHOI, YE JI - KIM, MIN-JI - JUNG, MIN-JUNG - LEE, YOUNG-SEAK
0638	PREPARATION OF NERVE AGENT SIMULANT GAS SENSOR USING POLYACRYLONITRLE BASED ACTIVATED CARBON FIBERS KANG, DA HEE - KIM, MIN-JI - CHOI, YE JI - RYU, SEUNG-KON - LEE, YOUNG-SEAK
0639	THE EFFECT OF FLUORINATION ON THERMAL AND MECHANICAL PROPERTIES OF CARBON NANOTUBE AND GRAPHENE NANOPLETELET REINFORCED EPOXY KONG, EUN YOUNG - KANG, DA HEE - LEE, KYEONG MIN - LEE, YOUNG-SEAK
0640	VOCS ADSORPTION CHARACTERISTICS OF CU INTRODUCED ACTIVATED CARBON FIBERS BY ELECTROLESS PLATING KIM, MIN-JI - KANG, DA HEE - CHOI, YE JI - KONG, EUN YOUNG - CHOI, SUK SOON - RYU, SEUNG-KON - LEE, YOUNG-SEAK
0641	GRAPHITE WITH HIGH RATE PERFORMANCE AS LIB ANODE BY INTRODUCING C-F BOND USING DIRECT-FLUORINATION KIM, KYUNG HOON - KANG, DA HEE - IM, JI SUN - LEE, YOUNG-SEAK
0642	VARIATION IN CARBON BLOCK DENSITY INFLUENCED BY Ø-RESIN OF PETROLEUM-BASED BINDER PITCH KIM, JIWOOK - KIM, KYUNGHOON - SONG, EUNJI - LEE, YOUNG-SEAK
0643	EFFECT OF FLUORINATION AND CARBON-COATING ON SILICON AS LITHIUM-ION BATTERY ANODE HAN, JEON-IN - KIM, KYUNG HOON - JUNG, MIN-JUNG - LEE, YOUNG-SEAK
0646	ADTIVATED CARBONS OBTAINED FROM OLIVE WOOD AND DOPED WITH N AND S AS CATALYSTS FOR OXYGEN REDUC- TION REACTION PEREZ-CADENAS, AGUSTIN FRANCISCO - CASTELO-QUIBEN, JESICA - MALDONADO-HODAR, FRANCISCO JOSE - CARRASCO-MARIN, FRANCISCO
0653	ONE-STEP SYNTHESIS OF NANOPOROUS CARBONS WITH ULTRAHIGH SURFACE AREA AND THEIR USE AS ELECTRODES FOR SUPER- CAPACITORS DIEZ, NOEL - SEVILLA, MARTA - FERRERO, GUILLERMO A. - FUERTES, ANTONIO B.
0655	GREEN GRAPHENE OXIDE REDUCTION ASSISTED BY SUPERCRITICAL WATER GASIFICATION OF GLYCEROL TORRES, DANIEL - PINILLA, JOSE LUIS - SUELVES, ISABEL
0656	SYNTHESIS AND INVESTIGATION OF CARBON SORBENTS BASED ON HIGH VOLATILE BARZAS COAL ISMAGILOV, ZINFER - KOZLOV, ALEXEI - ZYKOV, IGOR
0657	CONTROL OF THE SIZE OF HOLLOW CARBON SUBMICROSPHERES WITH POROUS SHELL HEINTEL, TOM - ALONSO-MORALES, NOELIA - MOYA, CRISTIAN - LEMUS, JESUS - SANTIAGO, RUBEN - PALOMAR, JOSE - GILARRANZ, MIGUEL A.
0671	SYNTHESIS OF NITROGEN-DOPED GRAPHENE OXIDES AS POTENTIAL MEMBRANE MATERIALS FOR BIOGAS UPGRAD- ING KARAHAN, H. ENIS - GOH, KUNLI - BIRER, OZGUR - CHEN, YUAN - BAE, TAE-HYUN
0676	KRAFT LIGNIN UPGRADING IN SUPERCRITICAL WATER WITH NI-CEO2/CARBON BASED CATALYSTS: EFFECT OF THE CARBON SUPPORT CARDOSO, ADERLANIO - RAMÍREZ-REINA, TOMÁS - SUELVES, ISABEL - PINILLA, JOSÉ LUIS - MILLAN, MARCOS - HELLGARDT, KLAUS
0677	IN-DEPTH INVESTIGATION OF THE CLOSED POROSITY OF GLASSY CARBONS BY SCATTERING TECHNIQUES BADACZEWSKI, FELIX
0681	NANOGOLD AS ADDITIVE TO PSEUDOHALIDE ELECTROLYTES FOR CARBON/CARBON ELECTROCHEMICAL CAPACITOR BUJEWSKA, PAULINA - GORSKA, BARBARA - FIC, KRZYSZTOF
0689	ELECTRICAL CONDUCTION MECHANISM IN CARBON-CERAMIC COMPOSITES PEREZ-CADENAS, MARÍA - TRAUTWEIN, GUIDO - ALCÁÑIZ-MONJE, JUAN
0691	AQUEOUS PHASE REFORMING OF BREWERY WASTEWATER USING CARBON SUPPORTED PT CATALYSTS OLIVEIRA, ADRIANA - BAEZA, JOSÉ ALBERTO - CALVO, LUISA - ALONSO-MORALES, NOELIA - HERAS, FRANCISCO - RODRÍGUEZ, JUAN JOSÉ - GILARRANZ, MIGUEL ANGEL
0695	KINETIC STUDIES OF MESOPHASE FORMATION IN PITCH EATON, DAVID - OWEN, AARON - WEISENBERGER, MATTHEW - ANDREWS, RODNEY

Code	Title
0698	SYNTHESIS OF MONOLITHIC CARBON MATERIALS WITH HIERARCHICALLY ORDERED PORE STRUCTURE AS MODEL SYSTEMS FOR ENERGY STORAGE APPLICATIONS <u>RUMSWINKEL, SIMON</u> - KOCZWARA, CHRISTIAN - ELSAESSER, MICHAEL S. - PARIS, OSKAR - HÜSING, NICOLA
0703	SCREENING OF DIFFERENT NI-NOBLE METAL BIMETALLIC CATALYSTS SUPPORTED ON CARBON NANOFIBERS FOR ONE-POT CELLOBIOSE CONVERSION <u>FRECHA, ESTHER</u> - PUEYO, ALVARO - TORRES, DANIEL - SUELVES, ISABEL - PINILLA, JOSÉ LUIS
0707	ON THE INFLUENCE OF THE CARBON SUPPORT IN THE HYDRODEOXYGENATION OF GUAIACOL OVER SUPPORTED MOLYBDENUM CARBIDE CATALYSTS <u>OCHOA, ELBA</u> - TORRES, DANIEL - AYLON, ELVIRA - PINILLA, JOSÉ LUIS - SUELVES, ISABEL
0709	COMPARATIVE STUDY OF HARMFUL ALGAL BLOOM BIOMASS-DERIVED BIOSORBENT, POROUS CARBON, AND FE/C COMPOSITE FOR CR (VI) REMOVAL <u>CUI, YANBIN</u> - ATKINSON, JOHN
0712	BORON DOPED DIAMOND THERMISTOR FOR IN-SITU DENTAL APPLICATIONS <u>NETO, MIGUEL A.</u> - SILVA, RUI - OLIVEIRA, FILIPE J.
0718	STABILITY OF CARBON-SUPPORTED PT CATALYSTS ON THE AQUEOUS PHASE REFORMING OF TUNA-COOKING WASTEWATER <u>OLIVEIRA, ADRIANA</u> - BAEZA, JOSE ALBERTO - CALVO, LUISA - ALONSO-MORALES, NOELIA - HERAS, FRANCISCO - LEMUS, JESUS - RODRIGUEZ, JUAN JOSE - GILARRANZ, MIGUEL ANGEL
0720	CO2 CAPTURE ONTO REDUCED GRAPHENE OXIDE (RGO) IMPREGNATED WITH POLYETHYLENIMINE (PEI) <u>ALVAREZ-TORRELLAS, SILVIA</u> - DELGADO, JOSÉ ANTONIO - UGUINA, M ^a ÁNGELES - OVEJERO, GABRIEL - GARCÍA, JUAN - AGUEDA MATE, ISMAEL VICENTE - LARRIBA, MARCOS - PALOMO, JORGE - WENDELBO, RUNE
0721	GRAPHENE OXIDE MEMBRANES IN OCULAR REGENERATIVE MEDICINE <u>GONZALEZ, ZORAIDA</u> - ZAMBRANO-ANDAZOL, IRIANA - BLANCO, CLARA - MENENDEZ, ROSA - MEANA, ALVARO - VAZQUEZ, NATALIA - CHACON, MANUEL - SANCHEZ-AVILA, RONALD M. - SIERRA, MARIA - FERNANDEZ-VEGA, ALVARO - SANCHEZ, TERESA - MERAYO-LLOVES, JESUS
0722	INFLUENCE OF NANOSTRUCTURE AND SURFACE CHEMISTRY OF CARBON SUPPORTS IN THE PERFORMANCE OF PD-CU/C NITRATE REDUCTION IN WATER <u>ALONSO-MORALES, NOELIA</u> - BAEZA, JOSE A. - HERAS, FRANCISCO - CALVO, LUISA - RODRIGUEZ, JUAN J. - GILARRANZ, MIGUEL A.
0725	SELF-PROPAGATING HIGH TEMPERATURE SYNTHESIS OF REFRACTORY BORON CARBIDE POWDER <u>SEIDUALIEVA, AIJAN</u> - KAMUNUR, KASTER - MANSUROV, ZULHAIR
0736	ASSISTED DEVELOPMENT OF MESOPHASE IN PITCH WITH THE USE OF DISPERSED GRAPHENE <u>WEISENBERGER, MATTHEW</u> - OWEN, AARON - EATON, DAVE - ANDREWS, RODNEY
0737	THE PRACTICAL FUNDAMENTALS OF AN ADSORBENT FOR ADSORBED NATURAL GAS VEHICLES <u>HOLBROOK, BILLY-PAUL</u> - BURNS, NIKOLAS - ONUBOGU, KEN - REED, BRAD - WILLIAMS, ROGER
0738	DEACTIVATION OF ZIRCONIUM-PHOSPHORUS CARBON CATALYST ON THE DEHYDRATION OF METHANOL TO DME REACTION <u>TORRES-LIÑÁN, JAVIER</u> - GARCÍA-ROLLÁN, MIGUEL - PALOMO, JOSE - ROSAS, JUANA MARIA - RODRÍGUEZ-MIRASOL, JOSE - CORDE-RO, TOMÁS
0740	GRAPHENE PRODUCTION BY A COMBINATION OF MECHANICAL WET MILLING AND ULTRASOUND <u>MANCILLAS, SERGIO</u> - LÓPEZ, EDDIE
0747	SYNTHESIS AND CHARACTERIZATION OF MESOSTRUCTURED HYBRID CARBON NANOFIBER/REDUCED GRAPHENE OXIDE <u>JASSO-RAMOS, LUIS</u> - OJEDA-HERNANDEZ, ALFREDO - GUERRERO-BERMEA, CYNTHIA - GARCIA-GOMEZ, NORA - MANRIQUEZ, JUAN - CRUZ-SILVA, RODOLFO - SEPULVEDA-GUZMAN, SELENE
0748	BORON-NITROGEN HETERODOPING IN MULTIWALLED CARBON NANOTUBES <u>OLVERA MARTÍNEZ, JOSE A</u> - MUÑOZ SANDOVAL, EMILIO - LÓPEZ URÍAS, FLORENTINO
0749	SILVER STRUCTURES ANCHORED TO NITROGEN-DOPED CARBON NANOTUBE SPONGES: EFFECT OF NITROGEN FUNCTIONALITIES <u>QUINTERO GONZÁLEZ, CLAUDIA C.</u> - LOPEZ URIAS, FLORENTINO - MUÑOZ SANDOVAL, EMILIO
0751	POST-MORTEM AC CHARACTERIZATION AS THE INSIGHT INTO AGEING PROCESS OF ELECTROCHEMICAL CAPACITORS <u>PIWEK, JUSTYNA</u> - FIC, KRZYSZTOF - PLATEK, ANETTA - GHIMBEU, CAMELIA - FRACKOWIAK, ELZBIETA
0752	ACETANILIDE AND ANTIPYRINE ADSORPTION ON LIGNIN-DERIVED ACTIVATED CARBON <u>GUTIÉRREZ, MARIA DEL CARMEN</u> - GARCÍA-MATEOS, FRANCISCO JOSÉ - MARTÍN-CORRAL, MONICA - RODRÍGUEZ-MIRASOL, JOSÉ - CORDERO, TOMÁS
0754	MULTIMODAL POROUS CARBON DERIVED FROM IONIC LIQUIDS: CORRELATION BETWEEN PORE SIZES AND IONIC CLUSTERS <u>JEONG, JUN HUI</u> - SHIN, DALWOO - KIM, KWANG BUM

Code	Title
0759	HIGH TEMPERATURTE TREATMENTS OF POROUS ACTIVATED CARBON <u>GARCÍA-MATEOS, FRANCISCO JOSÉ</u> - RUIZ-ROSAS, RAMIRO - ROSAS, JUANA M ^a - RODRÍGUEZ-MIRASOL, JOSÉ - CORDERO, TOMÁS
0760	SALT-TEMPLATED CARBONS AS ELECTRODE MATERIAL IN AQUEOUS ELECTROCHEMICAL CAPACITORS <u>PLATEK, ANETTA</u> - FIC, KRZYSZTOF - GHIMBEU, CAMELIA - NITA, CRISTINA - FRACKOWIAK, ELZBIETA
0761	SYNTHESIS AND ELECTRICAL CHARACTERIZATION OF HYBRID NANOCARBON FILMS OF REDUCED GRAPHENE OXIDE (RGO) AND GRAPHENE QUANTUM DOT <u>NOVOA, ILSE</u> - JHONY, JACOB - VAZQUEZ, SOFIA - GARCIA, NORA - SHAJI, SADASIVAN - SEPULVEDA, SELENE
0763	ALCOHOL DECOMPOSITION ON BASIC/ACID LIGNIN-DERIVED SUBMICRON DIAMETER CARBON FIBERS <u>GARCÍA-MATEOS, FRANCISCO JOSÉ</u> - ROSAS, JUANA M ^a - RODRÍGUEZ-MIRASOL, JOSÉ - CORDERO, TOMÁS
0766	DOPED CARBON NANOWALLS FOR POWER SOURCES <u>EVLASHIN, STANISLAV</u> - MIRONOVICH, KIRILL - DAGESYAN, SARKIS - DYAKONOV, PAVEL - ZIRYANOV, SERGEY - ZOTOVICH, ALEXEY - VAVILOV, SERGEI - AKHATOV, ISKANDER - SUETIN, NIKOLAY
0767	EVALUATION OF DIFFERENT PRECURSORS CONTAINING NITROGEN FOR THE CARBON NANOTUBE SPONGES PRO-DUCTION <u>RODRIGUEZ CORVERA, CRISTINA DE LOURDES</u> - LÓPEZ URÍAS, FLORENTINO - MUÑOZ SANDOVAL, EMILIO
0771	TRANSFORMATION OF TANNING INDUSTRY LEATHER SHAVINGS INTO CR-FUNCTIONALIZED CARBON MATERIALS <u>ARCIBAR, JAVIER</u> - BARAJAS, BERTHA SILVIA - CABELLERO, FELIPE - RANGEL, RENE
0775	BALL-MILLED SILICON CARBIDE TO FABRICATED NITROGEN-DOPED CARBON NANOTUBES. <u>LAMAS MARTÍNEZ, KARLA JOHANA</u> - LÓPEZ URIAS, FLORENTINO - MUÑOZ SANDOVAL, EMILIO - RODRÍGUEZ VARGAS, ISAAC
0782	CORRELATION OF RHEOLOGICAL PARAMETERS OF ACTIVATED CARBON COATINGS WITH THEIR ELECTROCHEMICAL RESPONSE IN AQUEOUS ELECTROLYTE <u>GALEK, PRZEMYSŁAW</u> - FIC, KRZYSZTOF - FRACKOWIAK, ELZBIETA
0783	GLYCEROL-BASED ACTIVATED CARBON MICROSPHERES FOR THE REMOVAL OF AN IODINATED X-RAY CONTRAST MEDIA <u>BATISTA, MARY</u> - MESTRE, ANA S. - FONSECA, ISABEL
0785	RHEOLOGICAL PROPERTIES OF BIO-PITCHES: INFLUENCE OF VACUUM DISTILLATION PARAMETERS ON FLOW PROPERTIES <u>KILIC, MURAT</u> - ÖZSIN, GAMZENUR - APAYDIN-VAROL, ESIN
0786	SULFUR EFFECT ON THE GROWTH OF NITROGEN-DOPED NANOTUBE SPONGES BY CHEMICAL VAPOR DEPOSITION METHOD <u>HERRERA HARO, LUIS ARMANDO</u> - MUÑOZ-SANDOVAL, EMILIO - LÓPEZ URÍAS, FLORENTINO
0787	ELECTROCHEMICAL PERFORMANCE TO CHARGE TRANSFER OF CUO-DECORATED CARBON NANOFIBERS <u>RODRÍGUEZ-OLGUÍN, MIGUEL A.</u> - SEPÚLVEDA-GUZMÁN, SELENE - DE LA PARRA-ARCINIEGA, SALOMÉ M. - SÁNCHEZ, EDUARDO M. - GARZA-MONTES-DE-OCA, NELSON FEDERICO - GARCÍA-GÓMEZ, NORA A.
0788	SUPERACTIVATED CARBON OBTAINED FROM POLYANYLINE CARBONIZED BY PHYSICAL ACTIVATION <u>RUIZ-ROSAS, RAMIRO</u> - TRAUTWEIN, GUIDO - ALCAÑIZ-MONGE, JUAN - PEREZ-CADENAS, MARIA
0795	ELECTROCHEMICAL OXIDATION OF ORDERED MESOPOROUS CARBONS: INFLUENCE OF CARBON GRAPHITIZATION. <u>PÉREZ-RODRÍGUEZ, SARA</u> - SEBASTIÁN, DAVID - GARCÍA, ANA BEATRIZ - LÁZARO, M ^a JESÚS
0796	ACTIVATED ION-TRACK CARBON FOR FLEXIBLE SUPERCAPACITOR ELECTRODES <u>LAUSEVIC, PETAR</u> - PEJOVIC, PREDRAG - NIKOLIC, VLADIMIR - LAUSEVIC, ZORAN - TOIMIL-MOLARES, MARIA EUGENIA
0798	PLASMA IN LIQUID PROCESSING OF NANOMATERIALS SUSPENSION <u>VIZIREANU, SORIN</u> - IONITA, MARIA DANIELA - IONITA, EUSEBIU ROSINI - STOICA, SILVIU DANIEL - CARPEN, LAVINIA - TEODORES-CU, MAXIMILIAN - ION, IOANA - DINESCU, GHEORGHE
0803	MANGANESE OXIDE DOPING ACTIVATED CARBON AND ITS APPLICATION AS ELECTRODE FOR ELECTROCHEMICAL SUPERCAPACITORS <u>ELMOUWAHIDI, ABDELHAKIM</u> - BAILON-GARCIA, ESTHER - CASTELLO-QUIBEN, JESICA - PEREZ-CADENAS, AGUSTIN F. - CARRAS-CO-MARIN, FRANCISCO
0804	NITROGEN DOPED CARBON SPHERES AS ELECTRODE MATERIAL FOR SUPERCAPACITORS <u>ELMOUWAHIDI, ABDELHAKIM</u> - BAILON-GARCIA, ESTHER - PEREZ-CADENAS, AGUSTIN F. - FIERRO, VANESSA - CELZARD, ALAIN - CARRASCO-MARÍN, FRANCISCO
0806	ADVANCED MICROPOROUS ACTIVATED CARBONS OBTAINED ON A BASIS OF RICE HUSK <u>PAVLENKO, VLADIMIR</u> - ABBAS, QAMAR - ISMAGILOV, ZINFER - MANSUROV, ZULKHAIR - SUPIYEVA, ZHAZIRA - PRZYGOCKI, PATRYK - BÉGUIN, FRANÇOIS
0812	PREPARATION OF A CARBON MONOLITH REPLICATING THE NANOPOROUS STRUCTURE AND SHAPE OF NANOPOROUS GLASS <u>HOSHIKAWA, YASUTO</u> - MASHIYAMA, TAKAHIRO - TANABE, KAORI - FUJIWARA, MITSUTERU - ITO, MUTSUHIRO - KYOTANI, TAKASHI
0813	REACTIVITY OF GRAPHENE OXIDE TOWARDS POLYAMINES <u>VERNET-GARCÍA, JOAN</u> - LÓPEZ-ROSA, CRISTINA - LÓPEZ-DE LA TORRE, MARÍA DOLORES - MELGUIZO, MANUEL - LÓPEZ-GARZÓN, JAVIER - GARCÍA-GALLARÍN, CELESTE

Code	Title
0815	SOLVOTHERMAL SYNTHESIS METHOD FOR THE PREPARATION OF O, P AND S DOPED GRAPHITIC CARBON NITRIDES MARTINEZ CARTAGENA, MANUEL EDUARDO - FERNANDEZ TAVIZON, SALVADOR - ROMERO GARCIA, JORGE - TORRES LUBIAN, JOSE ROMAN
0818	CHARACTERIZATION OF CARBON-CARBON COMPOSITES MURDIE, NEIL - TANG, LONGGUI
0820	COMPRESSIBILITY CHANGES BY THE ADSORPTION OF NITROGEN DOPED NANOTUBES WITH LIPID LANGMUIR MONOLAYERS GUERRA-CORREA, AXEL - GARCIA-GONZALEZ, ALCIONE - MUÑOZ-SANDOVAL, EMILIO - RUIZ-GARCIA, JAIME - VALDES, DONATO - LOPEZ-URIAS, FLORENTINO - GARCIA-REYES, BERNARDO
0821	PHYSICAL PROPERTIES OF SYNTHETIC DISTORTED NANOGRAFHENES INCORPORATING SEVEN-MEMBERED CARBO-CYCLES PALOMINO-RUIZ, LUCÍA - MILLÁN, ALBA - GONZÁLEZ, M. TERESA - MARCOS, M. LUISA - CRUZ, CARLOS M. - MARQUEZ, IRENE R. - FUENTES, NOELIA - G. CAMPAÑA, ARACELI
0822	SYNTHESIS OF NA-X ZEOLITE FROM COAL ASSOCIATED OIL SHALE ASH BY ALKALINE FUSION HYDROTHERMAL METHOD BAI, SHU XIA BAI - CHU, CHU MO
0825	TURNING TAR-DERIVED PHENOLIC OILS INTO POROUS CARBON GELS FOR WATER POLLUTANTS REMOVAL SCHAEFER, SÉBASTIEN - GADONNEIX, PHILIPPE - SANCHEZ-SANCHEZ, ANGELA - CELZARD, ALAIN - FIERRO, VANESSA
0826	THERMALLY-DRIVEN HYDROGEN COMPRESSION BASED ON ADSORPTION ONTO ACTIVATED CARBONS SDANGHI, GIUSEPPE - SCHAEFER, SÉBASTIEN - NICOLAS, VINCENT - MARANZANA, GAEL - CELZARD, ALAIN - FIERRO, VANESSA
0830	ORDERED MESOPOROUS CARBONS OBTAINED BY SOFT-TEMPLATING OF TANNIN IN MILD CONDITIONS SANCHEZ-SANCHEZ, ANGELA - IZQUIERDO, MARÍA TERESA - MEDJAHDI, GHOUTI - GHANBAJA, JAAFAR - CELZARD, ALAIN - FIERRO, VANESSA
0831	STUDY OF CARBONS FROM GRAPEFRUIT PEELS FUNCTIONALIZED WITH OXYGEN AND NITROGEN AS ANODES FOR ION-NA BATTERIES ROMERO-CANO, LUIS A. - GARCÍA-ROSERO, HELENA - GONZÁLEZ-GUTIÉRREZ, LINDA V. - RAMOS-SÁNCHEZ, GUADALUPE - CARRAS-CO-MARIN, FRANCISCO
0832	SYNTHESIS OF CARBON GELS BY SOL-GEL POLYMERIZATION OF COAL-DERIVED PHENOLIC OILS WITH FORMALDE-HYDE SANCHEZ-SANCHEZ, ANGELA - IZQUIERDO, MARÍA TERESA - SCHAEFFER, SEBASTIEN - CELZARD, ALAIN - FIERRO, VANESSA
0833	ELECTROCHEMICAL PERFORMANCES OF KOH-ACTIVATED, TANNIN-BASED, ORDERED MESOPOROUS CARBONS CASTRO-GUTIÉRREZ, JIMENA - SANCHEZ-SANCHEZ, ANGELA - IZQUIERDO, MARÍA TERESA - CELZARD, ALAIN - FIERRO, VANESSA
0834	HYDROLYSABLE TANNINS AS ALTERNATIVE PRECURSORS TO SYNTHESISE ORDERED MESOPOROUS CARBONS MONSIVAIS-ROCHA, JOSÉ EDUARDO - CASTRO-GUTIÉRREZ, JIMENA - SANCHEZ-SANCHEZ, ANGELA - CELZARD, ALAIN - FIERRO, VANESSA
0836	IN VITRO ADSORPTION STUDIES OF DICLOFENAC REMOVAL BY RICE HUSK DERIVED CHARCOALS ABDULKARIMOVA, ROZA - JAKPAR, JANDOSOV - BERNARDO, MARIA - VÉLEZ VÉLEZ, FÉLIX - FONSECA, ISABEL - SILVESTRE-ALBERO, JOAQUIN - LYUBCHYK, SVITLANA - MANSUROV, ZULKHAIR - MIKHALOVSKY, SERGEY
0839	IN SITU LFA THERMAL DIFFUSIVITY OF STABILIZED PAN FIBER AS A FUNCTION OF CARBONIZATION TEMPERATURE BURGESS, JORDAN - CRADDOCK, JOHN - WEISENBERGER, MATTHEW
0840	INFLUENCE OF THE DISPERSION METHOD OF GRAPHENE MATERIALS ON THE TRANSPORT PROPERTIES OF EPOXY BASED NANOCOMPOSITES SANCHEZ-HIDALGO, RUBEN - RALLINI, MARCO - YUSTE-SANCHEZ, VANESA - GONZALEZ, ZORAIDA - BLANCO, CLARA - VERDEJO, RAQUEL - TORRE, LUIGI - LOPEZ-MANCHADO, MIGUEL ANGEL - MENENDEZ, ROSA
0844	VERTICALLY ALIGNED LITHIOPHILIC CUO NANOSHEETS ON A CU COLLECTOR TO STABILIZE LITHIUM DEPOSITION FOR LITHIUM METAL BATTERIES ZHANG, CHEN - LV, WEI - HUANG, ZHIJIA - ZHANG, YUNBO - KANG, FEIYU - YANG, QUAN-HONG
0847	MODIFYING PROCESSING OF A MEXICAN COAL TO PREPARE FOUNDRY COKE PÉREZ-AGUILAR, NANCY VERÓNICA - GÓMEZ-GUTIÉRREZ, ANTONIO HUMBERTO - HERNÁNDEZ-CHAVERO, JESÚS EDGARDO - BAR-RIOCANAL-RUEDA, CARMEN - RODRÍGUEZ-MONREAL, AURORA - ARCIBAR-OROZCO, JAVIER ANTONIO
0852	PRODUCTION OF CARBON-CERAMIC SORBENTS AND FILTERS FOR WATER PURIFICATION KERIMKULOVA, ALMAGUL - AZAT, SEITKHAN - TOPANOV, BOLAT - KERIMKULOVA, MAKPAL - MANSUROV, ZULKHAIR
0853	A BINDER-FREE CARBON ELECTRODE SURFACE-MODIFIED BY RUTHENIUM OXIDE FOR LITHIUM-OXYGEN BATTERIES SHIN, HYUN-SEOP - JUNG, KYUN-NAM - HWANG, JIN-HA - LEE, JONG-WON
0854	ADSORPTION CAPACITY OF DIFFERENT COAL AND BIOMASS ACTIVATED CARBONS PREPARED BY A NEW CLEAN TECHNOLOGY PREDEANU, GEORGETA
0858	EVALUATION OF STRUCTURAL CHANGES IN ACTIVATED CARBONS AFTER NONANE ADSORPTION MARTINEZ ESCANDELL, MANUEL - FERREIRA DE PAULA, FABIANO - MONTERO LAGO, ROCHEL

Code	Title
0861	NOVEL COUNTER ELECTRODES BASED ON FEW-LAYER GRAPHENE OXIDE AND GRAPHENE OXIDE QUANTUM DOTS FOR DYE-SENSITIZED SOLAR CELLS TORRES, DANIEL - SEBASTIAN, DAVID - PINILLA, JOSE LUIS - SUELVES, ISABEL - LAZARO, MARIA JESUS - ARICÒ, ANTONINO S. - BAGLIO, VINCENZO
0866	PREPARATION OF HIGH OXIDATION RESISTANCE CARBON-CERAMIC COMPOSITES USING SELF-SINTERING MATERIALS OLAYA-GALAPIENSO, LUCIA - FUENTES PEREZ, JENIFER - SERNA ESPINOSA, MANUEL - SILVESTRE ALBERO, JOAQUIN - MARTINEZ ESCANDELL, MANUEL
0867	HIGH CO2 STORAGE CAPACITY ACTIVATED CARBON PREPARED FORM POLYURETHANE FOAM WASTES CAMPELLO-GOMEZ, IGNACIO - SILVESTRE, JOAQUIN - MARTINEZ-ESCANDELL, MANUEL
0868	NITROGEN DOPED CARBON MATERIALS AS PT-RU SUPPORT FOR THE ELECTRO-OXIDATION OF METHANOL SEBASTIAN, DAVID - NIETO-MONGE, MARIA JESUS - PASTOR, ELENA - LAZARO, MARIA JESUS
0871	ALLOTROPIC CARBON FORMS TO IMPROVE THE PERFORMANCE OF OPTOELECTRONIC ORGANIC DEVICES GOMEZ-AGUILAR, RAMON - RAMOS-DIAZ, ANTONIO ROWLAND - MARTINEZ-GUTIERREZ, HUGO - ORTEGA-CERVANTEZ, GERARDO
0872	OXIDATIVE DESULFURIZATION OF DIESEL FUEL CATALYZED BY CARBON-SUPPORTED POLYOXOMETALATES NUTTALL, CHARLOTTE - ROGERS, CORAL - HODGKISS, SOPHIE - CRAVEN, MICHAEL - KOZHEVNIKOVA, ELENA - KOZHEVNIKOV, IVAN
0877	STRUCTURE AND ELECTRICAL PROPERTIES OF HEAVILY NITROGEN DOPED CARBON ZHEREBTSOV, DMITRY - SMOLYAKOVA, KSENIA - YANTSEN, RUSLANA - ZHIVULIN, DMITRY - ZHIVULIN, VLADIMIR - EREMYASHEV, VIACHESLAV - HSU, HUA-SHU - GUO, FENG-WEI - ZAKHARCHUK, IVAN - LAHDERANTA, ERKKI
0878	GRAPHITIZING CARBONACEOUS MATERIALS USING AN ATOMIC ABSORPTION SPECTROMETER PUTMAN, KATE - SOFIANOS, VERONICA - ROWLES, MATTHEW - HARRIS, PETER - BUCKLEY, CRAIG - MARKS, NIGEL - SUAREZ-MARTINEZ, IRENE
0880	STUDY OF THE EFFECT OF COMPOSITIONS OF SURFACE-ACTIVE SUBSTANCES ON HIGH-VISCOSITY OIL SALAKHOV, RENAT - . KHAMIDULLIN, RENAT - BODIKOV, DYISEN - SEITZHANOVA, MAKPAL
0886	STUDY OF INFLUENCE OF THE ELECTROHYDRAULIC EFFECT ON HIGH-VISCOSITY OIL BODYKOV, DUISSENBAY - ABDIKARIMOV, MEIRAMGALI - SEITZHANOVA, MAKPAL - MANSUROV, ZYLKAIR
0887	TURNING LOW-VALUE COAL TAR DERIVED LIQUIDS INTO CARBONACEOUS MATERIALS AS ANODES FOR LI-ION BATTERIES CASTRO-MUÑIZ, ALBERTO - LÉONARD, ALEXANDRE F. - LORENZO-FIERRO, SARA - MARTÍNEZ-ALONSO, AMELIA - TASCÓN, JUAN M.D. - SUÁREZ-GARCÍA, FABIÁN - JOB, NATHALIE - PAREDES, JUAN I.
0890	REDUCED GRAPHENE OXIDE AS SOURCE-DRAIN ELECTRODES TO OTFT DEVICES RAMOS-DÍAZ, ANTONIO ROWLAND - GÓMEZ-AGUILAR, RAMON - ORTÍZ-LÓPEZ, JAIME - MARTÍNEZ-GUTIÉRREZ, HUGO
0897	PAN NANOFIBER MEMBRANE PREPARED VIA MULTI-NEEDLE ELECTROSPINNING AND NEEDLELESS ELECTROSPINNING FAN, YALING - LIU, JIE - WANG, CHUNHUA - LIANG, JIEYING - WANG, XIAOXU
0898	STUDY ON THE EXOTHERMIC BEHAVIOR OF LARGE-TOW PAN BASED CARBON FIBERS DURING THERMAL STABILIZATION GUO, LICHUANG GUO - LIANG, JIEYING LIANG - WANG, CHUNHUA WANG - LIU, JIE LIU - WANG, XIAOXU WANG
0899	STUDY ON EUTECTIC SALTS AS HIGH-EFFICIENCY CATALYSTS TO PREPARE HIGH-PERFORMANCE POLYACRYLONI-TRILE-BASED ACTIVATED CARBON FIB SANG, HUAYU - MIAO, PENG - LIU, JIE - WANG, XIAOXU
0901	HIGH PERFORMANCE FE-DOPED MN/TIO2 ACTIVATED CARBON CATALYST APPLIED IN PHOTO-FENTON-PEROXONE PROCESSES SECUŁA, MARIUS SEBASTIAN - CAGNON, BENOÎT - CHEDEVILLE, OLIVIER
0902	ENHANCED HIGH POWER PROPERTY ON ACTIVATED CARBON BASED CAPACITOR JUNG, MIN-JUNG - KO, YOONYOUNG - KIM, HONG GUN - RYU, SEUNG KON - LEE, YOUNG-SEAK
0908	PREPARATION AND ELECTRICAL PROPERTIES OF SOLID POLYMER ELECTROLYTES CONTAINING NEW THIOL-ENE CROSSLINKERS IN LIB HAN, MIJEONG - SUK, JUNGDON - KWAK, HYUNJO O - KANG, YONGKU
0909	RESEARCH ON THE PHOTOCATALYTIC ACTIVITY OF TIO2-COATED PAN-BASED ACTIVATED CARBON FIBER TIAN, YANG - AN, YONGZHEN - LIU, JIE - WANG, XIAOXU
0912	FREESTANDING SULFUR-GRAPHENE OXIDE/CARBON COMPOSITE PAPER AS A STABLE CATHODE FOR HIGH PERFORMANCE LITHIUM SULFUR BATTERIES KIM, JIM MIN - SUK, JUNGDON
0913	MODELING AND MEASUREMENT OF THREE-DIMENSIONAL TEXTURE OF CARBON MATERIALS BY OPTICAL MICROSCOPY ANDO, AKINOBU - OSHIDA, KYOICHI - TAKAHARA, JUN - TAKAHIDE, KIMURA - SASAKI, RYO
0915	THERMAL BEHAVIOR OF PAN PRECURSOR UNDER INERT ATMOSPHERE HAO, WEIZHE - ZHANG*, XUEJUN - TIAN, YANHONG

Code	Title
0916	THERMAL BEHAVIOR OF PBO PRECURSOR DURING LOW-TEMPERATURE CARBONIZATION HAO, WEIZHE - ZHANG*, XUEJUN - TIAN, YANHONG
0917	PREPARATION AND PROPERTIES OF FE3O4 / GRAPHENE MODIFIED WATERBORNE POLYIMIDE SIZING AGENT FOR CARBON FIBER HAO, RUITING - ZHANG*, XUEJUN - TIAN, YANHONG
0926	SYNTHESIS OF NANOHYBRID CARBON STRUCTURES-HORSERADISH PEROXIDASE (ARMORACIA RUSTICANA) (CNDS-HRP) FOR PHENOL DETECTION VALCÁRCEL MENDEZ, SANDRA VIVIANA - QUINTERO SAUMETH, JORGE - CASTILLO LEÓN, JOHN JAIRO - MEJIA OSPINO, ENRIQUE - CABANZO HERNÁNDEZ, RAFAEL
0929	ANALYSIS OF SURFACE RESISTANCE OF CARBON FIBER SURFACE HEATING ELEMENT ACCORDING TO HIGH CELLULOSE THICKENER CONTENT JEONG, HUN - LEE, MIN SANG - BACK, SEONG HUN - YUN, SEONG MIN - KO, SANG CEHOL - KWAC, LEE KU
0931	COMPARATIVE MECHANICAL AND THERMAL PROPERTIES OF CFRP ACCORDING TO COMPRESSION TEST GO, SUN HO - KIM, YONG JIN - TUGIRUMUBANO, ALEXANDRE - SHIN, HEE JAE - KANG, SUNG SOO - KIM, HONG GUN
0939	PREPARATIONANDCHARACTERIZATIONOFNANOCOMPOSITE OF RGO@TIO2 SUPPORTEDON FIQUE FIBERS FORPHOTOCATALYTICDEGRADATIONOFORGANICSDYES BARAJAS RUEDA, YEIMI LORENA - PINZÓN MARTÍNEZ, MARTHA LIZETH - GUTIERREZ NIÑO, NELSÓN - DIAZ RAMÍREZ, GERMÁN - MEJÍA OSPINO, ENRIQUE - CABANZO HERNÁNDEZ, RAFAEL
0940	SYNTHESIS AND CHARACTERIZATION OF POLYURETHANE FOAM OBTAINED FROM REDUCED GRAPHENE OXIDE AND 4,4'-MDI GUTIERREZ NIÑO, NELSON - MEJIA OSPINO, ENRIQUE - CABANZO HERNÁNDEZ, RAFAEL
0941	ENHANCED EFFICIENCY OF THERMAL STABILIZATION USING ELECTRON BEAM IRRADIATION FOR THE PREPARATION OF PAN-BASED CARBON FIBERS LIU, YUCHEN - WANG, XIAOXU - LIU, JIE - LIANG, JIEYING
0943	THE INFLUENCE OF INACCESSIBLE POROSITY IN THE ELECTROACTIVITY OF EXPANDED GRAPHITE/GEOBACTER SULFURREDUCENS BIOELECTRODES RAMÍREZ-MORENO, MARINA - ORTIZ, JUAN MANUEL - BERENGUER, RAUL - ESTEVE-NÚÑEZ, ABRAHAM
0945	INFLUENCE OF THERMAL-RESISTANT TEMPLATE ON SIZE AND FLUORESCENCE PROPERTIES OF CARBON DOTS MIKHRALIEVA, ALBINA - BOTELHO DA MOTTA, HENRIQUE - ZAITSEV, VOLODYMYR
0948	FUNCTIONALIZATION OF CARBON NANOTUBES WITH DRUGS IN ORDER TO INCREASE THE BIOCOMPATIBILITY MARIANA, PRODANA - MARIUS, ENACHESCU - ANDREI BOGDAN, STOIAN - MIHAELA, BALAS - MADALINA-ANDREEA, BADEA - ANCA, DINISCHIOTU - CAMELIA, GAVAN
0949	APPLICATION OF MULTIWALLED CARBON NANOTUBES AS DRUG CARRIER SYSTEMS DANIELA, IONITA - SORIN MIRCEA, OPRESCU - BIANCA, TINCU - MIHAELA, BALAS - MADALINA ANDREEA, BADEA - ANCA, DINISCHIOTU
0954	SYNERGISTIC EFFECT OF THE COMBINED USE OF GRAPHENE OXIDE AND MWCNT IN THE LONG-TERM STABILITY OF STARCH BIONANOCOMPOSITES MONTALBÁN, MERCEDES G. - DOMENE, DANIEL - GARCÍA-QUESADA, JUAN C. - MARTÍN-GULLÓN, IGNACIO
0956	GRAPHENE OXIDE AND MWCNT AS NANOREINFORCEMENTS OF STARCH-BASED BIONANOCOMPOSITES PLASTICIZED BY GLYCEROL AND BY IONIC LIQUIDS MONTALBÁN, MERCEDES G. - DOMENE, DANIEL - GARCÍA-QUESADA, JUAN C. - VÍLLORA, GLORIA - MARTÍN-GULLÓN, IGNACIO
0962	A NEW TYPE OF OXYGEN EVOLUTION CATALYST COMBINED WITH CARBON BASED MATERIALS KIM, HYUNAH - KANG, KISUK
0963	INFLUENCE OF CARBON NATURE IN THE HYDRODECHLORINATION OF CHLOROFORM TO VALUABLE HYDROCARBONS BY PD/C CATALYSTS FERNANDEZ, CARLOS - ANDREOLI, SARA - BEDIA, JORGE - WINCEK, RONALD - RODRIGUEZ, JUAN J. - GÓMEZ-SAINERO, LUISA MARIA - ESER, SEMIH
0967	EFFECT OF PRETREATMENT ON THE CHARACTERISTICS AND THERMAL PROPERTIES OF CARBON NANOFLUIDS FOR USE IN HEATING/COOLING SYSTEMS UYSAL, NILPERI - APAYDIN-VAROL, ESIN
0971	EVALUATION OF WASTE TIRES BY THERMAL TREATMENTS FOR APPLICATIONS IN ELECTRICAL DEVICES GONZÁLEZ GONZÁLEZ, REYNA BERENICE - MENDOZA DOMÍNGUEZ, ALBERTO - CABALLERO MATA, PORFIRIO
0975	INVESTIGATION ON THE ADSORPTION QUALITY OF BIOCHAR FOR WASTE WATER TREATMENT BY CARBONIZED BIOMASS WASTE AND COAL SLIMES TOSUN, YILDIRIM
0977	CARBON NANOPOROUS MATERIALS WITH A HIGH HEALING EFFECT BEXEITOVA, KALAMPIR - NURALY, ASSIYA - AKNAZAROV, SESTAGER - PAVLYUKOV, ANDREY
0978	STUDY OF THE USE OF NATURAL MICROFERTILIZER PHYTOMICROFERTILIZER. ZHUMAKHAN, KAIRAT - AMZEEVA, ULPAN - SINYAVSKY, YURI

Code	Title
0980	CARBON FIBER MANUFACTURING CONDITIONS TO IMPROVE INTERFACIAL ADHESION STOJCEVSKI, FILIP
0981	KINETICS AND MECHANISM OF CATALYTIC COKE GASIFICATION BY AIR AND BY CO2 LEMOs, AMELIA - CARABINEIRO, SONIA - BOBADILLA, LUIS - CENTENO, MIGUEL - LEMOS, FRANCISCO - LOBO, LUIS
0982	CARBIDES AND GRAPHENE BASED MATERIALS FOR ELECTROCHEMICAL PRODUCTION OF HYDROGEN MONTERO, CÉSAR - DÍAZ-COELLO, SERGIO - RODRÍGUEZ, JOSÉ LUIS - AREVALO, CARMEN - GARCÍA, GONZALO - PASTOR, ELENA
0987	COMBUSTION OF WOOD CHARCOAL IN A CONICAL SPOUTED BED COMBUSTOR SAN JOSE, MARIA J - ALVAREZ, SONIA - LOPEZ, RAQUEL
0990	VALORISATION OF TEAK WOOD WASTES FOR PRODUCTION OF ACTIVATED CARBONS CANSADO, ISABEL - MOURÃO, PAULO
0991	FLUORESCENT GOLD CARBON DOTS FOR DETECTION OF MERCURY GOVINDARAJU, SARAVANAN - KIM, JONGSUNG - YUN, KYUSIK
0992	FLEXIBLE C-MO2C FIBER FILM WITH SELF-FUSED JUNCTIONS ZHANG, WENJIE - LV, RUITAO - KANG, FEIYU
0993	MESOPOROUS CARBON HOLLOW MICROSPHERES WITH RED BLOOD CELL LIKE MORPHOLOGY FOR EFFICIENT MICROWAVE ABSORPTION AT ELEVATED TEMP XU, HAILONG - YIN, XIAOWEI - ZHANG, LITONG - CHENG, LAIFEI
0994	IN SITU GROWTH OF ONE-DIMENSIONAL SIC NANOWIRES IN POROUS SC2SI2O7 CERAMICS WITH EXCELLENT MICROWAVE ABSORPTION PROPERTIES WEI, HANJUN - YIN, XIAOWEI - ZHANG, LITONG - CHENG, LAIFEI
0995	ELECTROMAGNETIC WAVE ABSORPTION PROPERTY OF RGO COMPOSITES HOU, ZEXIN
0996	ENHANCE THE SENSITIVITY OF CARBON NANOTUBES AS A NANOSENSER ALI, SHAMS - HORROCKS, BENJAMIN - HOULTON, ANDREW
0997	MODIFICATION OF MULTI-WALLED CARBON NANOTUBES BY QUADRUPLE HYDROGEN BONDING TO IMPROVE THE ELECTRICAL PROPERTIES OF POLYAMIDE HAN, M - LIM, HYUNWHA
0998	PREDICTION OF OXIDATIVE STABILIZATION BASED ON THE REACTIVITY OF PITCH FRACTIONS GUAN, TAOTAO - LI, YONGXIN - ZHANG, GUOLI - ZHAO, JIANGHONG - WANG, JIANLONG - LI, KAIXI
1001	CAGING NONCARBONS IN PRECISELY DESIGNED GRAPHENE NETWORKS FOR SUPERIOR VOLUMETRIC LITHIUM STORAGE HAN, JUNWEI - KONG, DEBIN - WEI, LV - TANG, DAI-MING - YANG, QUAN-HONG
1002	RECENT DEVELOPMENT OF FABRICATING FLEXIBLE MICRO-SUPERCAPACITORS FOR WEARABLE DEVICES LIU, YUQING - BEIRNE, STEPHEN - SMITH, EMILY - RAZAL, JOSELITO - CREAN, CAROL - WALLCE, GORDON - CHEN, JUN
1003	FABRICATION OF BIOMASS-BASED ANTI-MICROBIAL CARBON COMPOSITES FOR APPLICATION TO WOUND DRESSING KWON, OH HYEONG - KO, YOUNG-GWANG - CHO, DONGHWAN - PARK, WON HO
1004	ACTIVATED ELECTROSPUN CARBON NANOFIBERS FOR CARBON DIOXIDE ADSORPTION CHIANG, YU-CHUN - CHEN, YU-JEN - WU, CHENG-YEN
1005	HETEROGENEOUS SEEDED GROWTH OF ELECTRODEPOSITED LITHIUM METAL ON SINGLE-LAYERPOLYCRYSTALLINE GRAPHENE ZHANG, HAO - ZHANG, WENFENG - CAO, GAOPING
1007	LITHIUM ION BATTERY PERFORMANCES OF PHOSPHORUS-ENCAPSULATED CARBON NANOTUBE ANODES WITH DIFFERENT AMOUNTS OF PHOSPHORUS TOJO, TOMOHIRO - YAMAGUCHI, SHINPEI - AOYANAGI, KENGO - INADA, RYOJI - SAKURAI, YOJI
1008	INSIGHT INTO CONTROLLABILITY AND PREDICTABILITY OF PORE STRUCTURES IN PITCH-BASED ACTIVATED CARBONS LI, KAIXI - GUAN, TAOTAO - ZHANG, GUOLI - ZHAO, JIANGHONG
1009	A COMPARATIVE STUDY OF THE INTERACTION OF TWO DIFFERENT IRON PHTALOCYANINES WITH CARBON NANOTUBES PÉREZ-CADENAS, MARÍA - ASEDEGBEGA-NIETO, ESTHER - CARTER, JONATHAN - ANDERSON, JAMES A. - RODRÍGUEZ-RAMOS, INMACULADA - GUERRERO-RUIZ, ANTONIO R.
1010	MICROSTRUCTURE AND MECHANICAL PROPERTIES OF CARBON FIBER AND SIC NANOWIRES REINFORCED PYC MATRIX COMPOSITES LIN, HONGJIAO - LI, HEJUN
1011	SIMULTANEOUSLY IMPROVING THE MECHANICAL STRENGTH AND ELECTROMAGNETIC INTERFERENCE SHIELDING OF CARBON/CARBON COMPOSITES BY EL LI, HEJUN