



Bonded by Carbon

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

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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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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				
10:00 - 10:30			COFFEE BREAK	COFFEE BREAK	COFFEE BREAK	COFFEE BREAK
10:30 - 10:45		COFFEE BREAK				
10:45 - 11:00						
11:00 - 11:15		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 (R6) T08 (R3)	T01 (R5) T02 (R4) T05 (R2) T06 (R1) T08 (R3)	T01 (R5) T05 (R2) T08 (R3) T10 (R4)
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 & 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 & R6) T08 (R3)	T01 (R5) T02 (R4) T05 (R2) T06 (R1) T10 (R3)	T01 (R5) T05 (R2) T06 (R1) T08 (R3) T10 (R4)
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	14:00 LUNCH
15:15						
15:30		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.
15:45						• T02_Advanced carbon materials: nanotubes, fullerenes, carbon fibres and carbon based composites.
16:00		T02 (R4) T03 (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) T10 (R3)	• T03_Coal, coke and carbon black.
16:15						• T04_Thermo-chemical conversion processes.
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 & R6) T08-K (R3)	T01-K (R5) T02-K (R4) T05-K (R2) T06-K (R1) T10-K (R3)	• T05_Preparation, characterization, simulation and modelling of carbon.
17:00 - 17:30					COFFEE BREAK	• T06_Electrochemical applications.
17:30 - 19:00	REGISTRATION (16:00 to 20:00) (Madrid Marriott Auditorium & Conference Center)	Poster Session & Coffee (T02, T04, T06, T09)	Poster Session & Coffee (T01, T03, T06, T07)	Poster Session & Coffee (T05, T08, T10)	AWARD SESSION	• T07_Catalysis application.
19:00 - 19:30						• T08_Environmental applications.
19:30 - 20:00	WELCOME COCKTAIL (Madrid Marriott Auditorium & Conference Center)					• T09_Gas separation and storage.
20:00			SOCIAL EVENT (Madrid Guided Tour)		CONFERENCE DINNER (Casa de Mónico)	• T10_Carbons for health, medical and biological applications.



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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 - PUZUY, 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. - PUZUY, 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, MASAOKI
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

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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 - IYAMA, 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, YOSHIKI - SHUNYA, SHUNYA - INAMOTO, JUN-ICHI - MAEDA, KATSUMI - TAMURA, NORIYUKI
0226	SYNTHESIS OF CARBON FILAMENTS AND HIERARCHICAL COMPOSITES VIA NON-CATALYTIC DECOMPOSITION OF HALOGENATED 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 TREATMENT 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 ENVIRONMENTAL 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 NANOSTRUCTURED CARBON CATALYST LI, BO
0279	SOLVENT-FREE SOFT-TEMPLATING SYNTHESIS OF MESOPOROUS CARBONS FOR ELECTROCHEMICAL CAPACITORS NISHIYAMA, NORIKAZU - YOSHIDA, NAO - HIROTA, YUICHIRO - UCHIDA, YOSHIKI - ASADA, TOSHIHIRO - KOBAYASHI, NAOYA

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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-MUÑOZ, 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 PROGENITOR 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 MICROSCOPE NASERI, ALI - SEDIKO, ANTON - THOMSON, MURRAY
0295	IMPROVING THE ACTIVITY OF Pd/C CATALYSTS USING N-DOPED SUPPORTS OBTAINED BY MODIFICATION OF COMMERCIAL 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 BATTERIES 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 CATALYST FOR THE REMOVAL OF BPA SERRA-PÉREZ, ESTRELLA - ÁLVAREZ-TORRELLAS, SILVIA - DELGADO, JOSÉ ANTONIO - AGUEDA, VICENTE ISMAEL - OVEJERO, GABRIEL - 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

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0331	IMPROVING CARBON/CARBON SUPERCAPACITORS CELL VOLTAGE IN AQUEOUS ELECTROLYTES WEISSMANN, MARTIN - BROUSSE, THIERRY - RAYMUNDO-PINERO, ENCARNACION
0346	MODELING AND INVESTIGATION OF CROSS-LINKING EFFECT ON MECHANICAL PROPERTIES OF CNT YARNS CHO, YOUNG SHIK - JUNG, YEONSU - PARK, CHONG RAE
0348	NANO-GRAPHITE AND RATE PERFORMANCE OF LITHIUM INTERCALATION OGUMI, ZEMPACHI - ABE, TAKESHI
0349	PREPARING CARBON FIBER FROM NEEDLE COKE LYU, YONGGEN - WU, ZHENGAN - YANG, CHANGLING
0355	IMPROVED PERFORMANCE OF AMORPHOUS CARBON MEMBRANES BY RESTRUCTURING DURING HIGH PRESSURE WATER DESALINATION ORTIZ-MEDINA, JOSUE - 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 GAO, LIBO
0358	ATOMISTIC SIMULATIONS OF GLASSY CARBON UNDER HIGH PRESSURES DE TOMAS, CARLA - 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 KUJZMENKO, VOLODYMYR - 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 WIENCH, PIOTR - GONZÁLEZ, ZORAIDA - MENÉNDEZ, ROSA - GRYGLEWICZ, GRAŻYNA
0366	REASSESSING COAL'S SHARE IN ENERGY MIX: A GLOBAL PERSPECTIVE AND SUSTAINABLE WASTE COAL STRATEGY CLEMENTE-JUL, CARMEN - GUERRERO, FRANCISCO
0374	UNDERSTANDING THE GRAPHENE FOAM ELABORATION PREPARED FROM A SOLVOTHERMAL-BASED PROCESS: ROLE OF THE SODIUM COMPOUNDS SPEYER, LUCIE - FONTANA, SEBASTIEN - CAHEN, SEBASTIEN - HEROLD, CLAIRE
0376	CELLULOSE-BASED CARBON FIBERS: INCREASING TENSILE STRENGTH AND CARBON YIELD UNTERWEGER, CHRISTOPH - HINTERREITER, ANDREAS - STIFTER, DAVID - FÜRST, CHRISTIAN
0380	BIOMIMETIC STRONTIUM-SUBSTITUTED HYDROXYAPATITE DEPOSITED ON CARBON FIBER CLOTH FOR BONE REGENERATION OLIVIER, FLORIAN - 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 UNTERWEGER, CHRISTOPH - PLANK, BERNHARD - SENCK, SASCHA - MIHALIC, MATTHIAS - FÜRST, CHRISTIAN
0391	MICROPOROUS ELECTROSPUN LIGNIN-BASED FIBERS AS BINDERLESS SUPERCAPACITOR ELECTRODES GARCÍA-MATEOS, FRANCISCO JOSÉ - 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 GARCÍA-MATEOS, FRANCISCO JOSÉ - 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 HERNÁNDEZ-ABREU, ANA BELÉN - GOFFIN-MEDINA, SHAROL - NIETO-NARANJO, PATRICIA - ÁLVAREZ-TORRELLAS, SILVIA - ÁGUE-DA, VICENTE ISMAEL - DELGADO, JOSE ANTONIO - OVEJERO, GABRIEL - GARCÍA, JUAN
0395	ANTICORROSIVE EFFECTS OF CARBON/SEMICONDUCTOR COATINGS ON METALS QUEZADA RENTERIA, JAVIER ALAN - GOMIS BERENGUER, ALICIA - CHÁZARO RUIZ, LUIS FELIPE - RANGEL MENDEZ, JOSE RENE - ANIA, CONCHI
0403	PHOTOCATALYTIC DEGRADATION OF PERFLUOROCARBOXYLIC ACIDS BY TiO2-RGO COMPOSITE DIBAN, NAZELY - 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 PFAFF, TORBEN - BADACZEWSKI, FELIX - SMARSLY, BERND M.
0410	MOLECULAR BEHAVIOR IN GRAPHENE NANOWINDOWS DOMAINS VALLEJOS-BURGOS, FERNANDO - KANEKO, KATSUMI

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0411	COMBUSTION KINETICS OF CHAR DERIVED FROM WASTE TIRE PYROLYSIS – A COMPARISON OF DIFFERENT STRUCTURAL MODELS MARTINEZ, JUAN DANIEL - ARENAS, CINDY NATALIA - MURILLO, RAMON - NAVARRO, MARIA VICTORIA - GARCIA, TOMAS
0412	CHARGE-TRANSFER PROCESSES BETWEEN GRAPHENE AND SIMPLE MOLECULES OR CARBON NANODOTS MESSINA, FABRIZIO - 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 HASHEMI, SEYED MOJTABA - HASHISHO, ZAHER - PHILLIPS, JOHN H - ANDERSON, JAMES - NICHOLS, MARK
0422	STRUCTURE AND STABILITY OF INTERCALATED MULTILAYER GRAPHENE MATSUMOTO, RIKA - AKUZAWA, NOBORU
0423	CARBON FIBERS FROM AROMATIC POLYMER PRECURSORS: PRECURSOR DESIGN FOR LOW CO2 EMISSION PRODUCTS HATORI, HIROAKI - SAKAMOTO, KAITO - KAWAJIRI, KOTARO - TAHARA, KIYOTAKA
0424	STRUCTURAL CHANGE OF GRAPHITE ULTRATHIN FILMS FROM SPIN-COATING POLYMERS SONEDA, YASUSHI - YOSHIZAWA, NORIKO - KODAMA, MASAYA
0425	HIGH-DENSITY SINGLE IRON ATOM-DISPERSED N-DOPED POROUS CARBON FOR EFFICIENT OXYGEN REDUCTION UNDER ACIDIC MEDIUM HOU, PENGXIANG - LI, JINCHENG - LIU, CHANG - CHENG, HUIMING
0426	EXPERIMENTAL AND THEORETICAL STUDY OF AGEING MECHANISM OF ACTIVATED CARBON BASED SUPERCAPACITOR AND SOME COUNTERMEASURES HUANG, YILUN - GONG, QIANMING
0433	EFFECT OF MWCNT COMPOSITION ON THE PERMSELECTIVITY OF PES-MWCNT MIXED MATRIX MEMBRANES FOR GAS SEPARATION LINCK, NICHOLAS - WEISENBERGER, MATTHEW - KALIKA, DOUGLASS
0435	GREEN SYNTHESIS OF ULTRALIGHT POROUS GRAPHENE COCOON FOR ENHANCED MICROWAVE ABSORBING PERFORMANCE WANG, SHANSHAN - 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 ZHANG, HUI
0437	OPTIMUM POROUS CARBON STRUCTURE FOR HIGH CAPACITY EDLC ENHANCED BY SPECIFIC ION-DESOLVATION URITA, CHIHARU - 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 MOURATIDIS, PAVLOS - 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 GONG, QIANMING - 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 BOWAL, KIMBERLY - MARTIN, JACOB - KRAFT, MARKUS
0443	PHOTOCATALYTIC OXIDATION OF PROPANE WITH TiO2 AND TiO2-C PHOTOCATALYSTS CANO-CASANOVA, LAURA - 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 MORAL-RODRIGUEZ, ADRIANA ISABEL - 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 PUECH, PASCAL - AGNIESZKA, DABROWSKA - NICOLAS, RATEL-RAMOND - GERARD, VIGNOLES - MARC, MONTHIOUX
0447	KEROGEN FLEXIBILITY, A KEY TO UNDERSTAND HYDROCARBON EXPULSION FROM SHALE RESERVOIRS ? OBLIGER, AMAËL - VALDENAIRE, 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 ZHANG, WENFENG - ZHANG, HUIMIN - ZHANG, HAO - MING, HAI - CAO, GAOPING

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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, PELLENQ - CHRISTOPHE, BICHARA - HAKIM, AMARA
0469	EFFECT OF GRAPHENE OXIDE SYNTHESIS METHOD ON PERFORMANCE OF POLYSULFONE-GRAPHENE OXIDE MIXED MATRIX MEMBRANE SALL, 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, M ^a 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, RADIAN - 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

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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 OUZZINE, 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, MASAOKI - 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, MASAOKI - 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

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0578	PHOTOASSISTED PREPARATION OF METAL-CONTAINING NANOPOROUS POLYMERIC CARBONS C. FERNÁNDEZ DE CÓRDOBA, MARÍA - ZAHER, MOHAMED - BALAN, LAVINIA - O. ANIA, CONCHI
0579	STUDY ON CHANGE OF SURFACE NATURE OF MULTI-WALLED CARBON NANOTUBES BY ACID TREATMENT FOR IMPROVING DISPERSIBILITY SHIN, MINHO - LIM, HYEONG JUN - PARK, CHONG RAE
0581	CARBON MICROTUBES DERIVED FROM ROLLED-UP CHITOSAN FILMS: THE DESIGN AND THE USE AS JOULE-HEATED MICROREACTORS LUCHNIKOV, VALERIY - SAITO, YUKIE - YAMADA, HAJIME - BEDA, ADRIAN - GHIMBEU, CAMELIA
0582	ONE-POT SELECTIVE CELLULOSE CONVERSION INTO SORBITOL USING A TANDEM CARBON CATALYST AZAR*, FATIMA-ZAHRA - LILLO RÓDENAS, MARIA ANGELES - ROMÁN-MARTÍNEZ, MARI CARMEN
0585	PREPARATION AND CHARACTERIZATION OF CARBON ALLOY CATALYSTS DERIVED FROM CHICKEN EGG FOR HYDROGEN EVOLUTION REACTION TAKIGAMI, MACHIKO - YOSHIKAWA, RISA - ISHII, TAKAFUMI - IMASHIRO, YASUO - OZAKI, JUN-ICHI
0588	ION CONDUCTING HYBRID ELECTROLYTE USING FUNCTIONALIZED SILICA PARTICLE FOR LI-ION BATTERY JUNG, BYUNG MUN - CHOI, U HYEOK - LEE, SANG-BOK
0589	HIGH SULFUR LOADING GRAPHENE COMPOSITES AS CATHODES FOR LI-S BATTERIES GÓMEZ URBANO, JUAN LUIS - 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 RODRIGUEZ-ACEVEDO, ELIZABETH - 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 SHORNIKOVA, OLGA - 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 OZAKI, JUN-ICHI - ISHII, TAKAFUMI - KOBAYASHI, RIEKO - TAKIGAMI, MACHIKO - IMASHIRO, YASUO
0603	MOLECULAR UNDERSTANDING OF THE ACTIVE SITES ON BN-DOPED CARBON CATALYSTS FOR OXYGEN REDUCTION REACTION ISHII, TAKAFUMI - KOBAYASHI, RIEKO - TAKIGAMI, MACHIKO - IMASHIRO, YASUO - OZAKI, JUN-ICHI
0606	EFFECT OF LAYERED STRUCTURE OF GRAPHENE OXIDE MEMBRANE ON PERMEATION EFFICIENCY OF WATER ZHENG, XIAOHUI - DING, SONGTAO - WANG, RAN - XU, BIN - YAN, XIAOSHAN
0607	HIGH-PERFORMANCE UV PHOTODETECTOR BASED ON LENGTH-CONTROLLED ZNO NANOROD LEE, KANG EUN - KIM, NARI - PARK, TEAHOON - OH, YOUNGSEOK - YOO, JUNG-KEUN - UM, MOON-KWANG
0619	SYNTHESIS OF FE-N-DOPED CARBON NANOWALLS FOR OXYGEN REDUCTION REACTION YOSHIE, RYO - TANIGUCHI, MOEKA - AKIKUBO, KAZUMA - TATENO, AKIRA - KAWAGUCHI, NORIHITO - TACHIBANA, MASARU
0621	POLYMERIZATION OF SOLVATED C60 CRYSTALS UNDER PRESSURE GONNOKAMI, HIROMICHI - MURATA, HIDENOBU - TACHIBANA, MASARU
0626	ACTIVATED CARBON SUPPORTING BIOTRICKLING FILTERS FOR SILOXANE REMOVAL IN BIOGAS UPGRADING SANTOS-CLOTAS, ERIC - CABRERA-CODONY, ALBA - MARTÍN, MARIA J. - GICH, FREDERIC - BOADA, ELLANA - COMAS, JOAQUIM
0628	SYNTHESIS OF SULFONATED MULTIWALLED CARBON NANOTUBE USING SUPERCRITICAL CARBON DIOXIDE DURIAN, ALVA - MACAWILE, MARIA CRISTINA - GALLO, JUREX - AURESENIA, JOSEPH
0632	SYNTHESIS OF ORGANOSILANE - MWCNT CATALYST USING SUPERCRITICAL CARBON DIOXIDE FOR BIODIESEL PRODUCTION MACAWILE, MARIA CRISTINA - 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) MASER, WOLFGANG - 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 JURKIEWICZ, KAROLINA - LISZKA, BARBARA - DUBER, STANISLAW - BURIAN, ANDRZEJ
0648	HIGHLY DURABLE ELECTROCATALYSTS WITH THERMALLY TREATED CARBON NANOFIBER FOR PEMFCS JI, YUNSEONG - HWANG, HOJUNG - LEE, CHANMIN - KWON, OH CHAN - JEON, OKSUNG - KIM, JEONG PIL - SHUL, YONG-GUN - JEON, YUKWON

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0649	THE FABRICATION OF CONTROLLED THICKNESS GRAPHENE OXIDE FILMS BY MEANS OF DIP-ASSISTED LAYER BY LAYER ASSEMBLY KANDJOU, VEPIKA - 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 CRUZ-SILVA, RODOLFO - 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 FERNANDEZ-RUIZ, CARLOS - 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 SANTOS, CLEIS - VILATELA, JUAN JOSÉ - MARCILLA, REBECA - PENDASHTED, AFSHIN - SENOKOS, EVGENY
0659	DOPED CARBON NANOTUBES PREPARED BY A SOLVENT-FREE METHODOLOGY FOR CWAO P. ROCHA, RAQUEL - G.P. SOARES, OLÍVIA SALOMÉ - J.M. ÓRFÃO, JOSÉ - F. R. PEREIRA, MANUEL - L. FIGUEIREDO, JOSÉ
0661	ONE-POT, FULLY SCALABLE AND LOW COST METHOD FOR CARBONACEOUS NANOSTRUCTURES FUNCTIONALIZATION ZELECHOWSKA, KAMILA - NADOLSKA, MAŁGORZATA - OLSZEWSKI, ROBERT - PRZESNIAK-WELENC, MARTA - ŁAPIŃSKI, MARCIN - CIEŚLIK, BARTŁOMIEJ
0662	ADVANCED CHARACTERIZATION OF MACROSCOPIC ENSEMBLES OF CNTS VILATELA, JUAN JOSÉ - FERNÁNDEZ, JUAN CARLOS - RIDRUEJO, ÁLVARO
0666	FACTORS INFLUENCING THE ANTIBACTERIAL ACTIVITY OF GRAPHENE OXIDE BEYOND MATERIALS PHYSICO-CHEMISTRY KARAHAN, H. ENIS - BAE, TAE-HYUN - XU, CHENJIE - WEI, JUN - CHEN, YUAN
0673	STUDY OF ION TRANSMISSION IN ELECTROLYTE OF GRAPHENE QUANTUM DOTS UNDER ULTRAVIOLET LIGHT WANG, XIAOMIN - 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 CHEBBI, MOUHEB - GERENTE, CLAIRE - LE COQ, LAURENCE - MOKILI, MARCEL - MONSANGANT-LOUVET, CÉLINE
0675	THE INFLUENCE OF GIC STAGE NUMBER AND EXFOLIATION TEMPERATURE ON THE GAS PERMEABILITY OF GRAPHITE FOIL IVANOV, ANDREY - MALAKHO, ARTEM - MAKSIMOVA, NATALIA - IONOV, SERGEY - SHORNIKOVA, OLGA - AVDEEV, VIKTOR
0679	COMMERCIAL CARBON MOLECULAR SIEVES AS A HIGH PERFORMANCE ANODE FOR SODIUM-ION BATTERIES ZHANG, SIWEI
0685	RECENT ADVANCES IN SYNTHESIS AND CHARACTERIZATION OF CONTINUOUSLY SPUN CARBON NANOTUBE FIBER FROM THE GAS PHASE. RODILES, XAQUIN - VILA, MARIA - ALEMAN, BELEN - REGUERO, VICTOR - VILATELA, JUAN JOSE
0688	FLEXIBLE CARBON AEROGELS BY SPHERE TEMPLATING SALIHVIC, MIRALEM - HÜSING, NICOLA - ELSAESSER, MICHAEL
0694	OVERCOMING THE MASS TRANSPORT LIMITATIONS OF IONIC LIQUIDS IN CO2 CHEMICAL ABSORPTION BY USING ENCAPSULATED IONIC LIQUIDS MOYA, CRISTIAN - SANTIAGO, RUBEN - LEMUS, JESUS - MORENO, DANIEL - ALONSO-MORALES, NOELIA - GILARRANZ, MIGUEL ANGEL - PALOMAR, JOSE
0697	CARBON FIBERS DERIVED FROM FRACTIONATED-SOLVATED LIGNIN OGALE, AMOD - JIN, JING - DING, JUNHUAN - THIES, MARK
0704	GRAPHENE AEROGELS MODIFIED WITH CO AND TI OXIDES AS ELECTROCHEMICAL CATALYSTS FOR OXYGEN EVOLUTION AND REDUCTION REACTIONS LUQUE CENTENO, JOSE MANUEL - MARTINEZ HUERTA, MARIA VICTORIA - CHEN, WEIYANG - SEBASTIAN, DAVID - YEUNG, KING LUN - LÁZARO ELORRI, MARIA JESUS
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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

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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

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0179	DEVELOPING OF COMPOSITE FROM BIOMASS-DERIVED ACTIVATED CARBONS WITH CARBON NANOTUBES FOR ELECTROCHEMICAL 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 – SYNTHESIS AND CHARACTERISTICS GAWDZIK, BARBARA - SOBIESIAK, MAGDALENA - PODKOŚCIELNA, BEATA - PODDUBNAYA, OLGA I. - PUZYI, ALEXANDER
0187	THERMOCHEMICAL CONVERSIONS OF DVB-MA-TMVS TERPOLYMERS DURING THEIR CARBONIZATION PROCESS SOBIESIAK, MAGDALENA - GAWDZIK, BARBARA - PODKOŚCIELNA, BEATA - PODDUBNAYA, OLGA I. - PUZYI, 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 - KOZYNCHEENKO, 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 KOZYNCHEENKO, OLEKSANDR - SNEZHKOVA, ELISAVETA - T.V., DATSKO - NIKOLAEV, VOLODYMYR - SYDORENKO, OLEKSIY - BARDAKHIVSKA, KVITOSLAVA - MAZUR, MARIA - LA, SAKHNO
0202	BIOPHYSICAL STUDY OF THE EFFECTIVENESS OF TWO FORMULATIONS OF NANO/MACROPOROUS CARBON ENTEROSORBENTS IN THE TREATMENT OF EXPE KOZYNCHEENKO, 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 POLYETHYLENIMINE 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 - BARDAKHIVSKA, KVITOSLAVA - NIKOLAEV, VOLODYMYR - SARNATSKAYA, VERONIKA - KOZYNCHEENKO, OLEKSANDR
0220	CHARPHITE PROJECT: COAL CHAR AS A SUBSTITUTING MATERIAL OF NATURAL GRAPHITE IN GREEN ENERGY TECHNOLOGIES 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 NANOHYBRID OSHIDA, KYOICHI - MINAMISAWA, TAKUNORI - ANDO, AKINOBU - KOBAYASHI, NOZOMI - MISAWA, DAIKI - ITAYA, TOMOYUKI - OSAWA, 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 SARNATSKAYA, VERONIKA - MIKHAILENKO, VIKTOR - SHEVCHUK, OKSANA - GLAVIN, ALEXEI - MAKOVETSKA, LYDMILA - SAKHNO, LARYSA - YUSHKO, LARYSA - KOZYNCHEENKO, OLEKSANDR - NIKOLAEV, VLADIMIR
0235	NITROGEN-DOPED MESOPOROUS CARBONS PREPARED BY USING COPOLYMER TEMPLATES FOR ENHANCED ADSORPTION 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

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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 HYDROGEN 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 CFRTS MADE WITH POLYAMIDE 6 SHIBATA, MASATAKA - IRISAWA, TOSHIHIRA - TANABE, YASUHIRO
0255	ELASTIC REARRANGEMENT OF STACKED NANOGRAFENES 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 FORMALDEHYDE CHOI, GUN - LEE, JAE YOUNG - YOON, TAE-HO
0260	CARBON FIBERS SUPPORTED NISE NANOWIRE ARRAYS AS EFFICIENT AND FLEXIBLE ELECTROCATALYSTS FOR THE OXYGEN EVOLUTION 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 COMPOSITES 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 CFRTS 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 - TASCÓN, JUAN M.D.
0294	SYNTHESIS AND HYDROGEN STORAGE PROPERTIES OF NICKEL NANOPARTICLES-CARBONACEOUS MATERIAL COMPOSITE KITAZAKI, AKIHITO - OHTSUKA, YOHEI - KINUMOTO, TARO - TSUMURA, TOMOKI - TOYODA, MASAHIRO

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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 FORMALDEHYDE 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, ALEXANDRA - POPESCU, LUMINITA - PREDEANU, GEORGETA - SLAVESCU, VALERICA - VALENTIM, BRUNO
0314	CARBON MATERIALS DOPED WITH AMINOCUMULENE AS DISPERSANT AND N-CONTAINING PRECURSOR ENHANCE CO₂ ELECTROREDUCTION REACTION GERASIMOVA, ALENA - GARCÍA-CRUZ, LETICIA - MELEZHNIK, ALEXANDER - ALEKHINA, OLGA - MONTIEL, VICENTE - TKACHEV, ALEKSEY - INIESTA, JESÚS
0316	SYNTHESIS OF AMINOCUMULENE VIA POLYCONDENSATION OF HEXAMETHYLENETETRAMINE. SPECTRAL CHARACTERIZATION AND APPLICATIONS AS DISP GERASIMOVA, ALENA - GARCÍA-CRUZ, LETICIA - MELEZHNIK, 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 SYSTEMS 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 MIXTURES 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 ACTIVATED 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

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0653	ONE-STEP SYNTHESIS OF NANOPOROUS CARBONS WITH ULTRAHIGH SURFACE AREA AND THEIR USE AS ELECTRODES FOR SUPERCAPACITORS 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 - SUELVE, 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 UPGRADING 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 - SUELVE, 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 - ALCAÑIZ-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

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0698	SYNTHESIS OF MONOLITHIC CARBON MATERIALS WITH HIERARCHICALLY ORDERED PORE STRUCTURE AS MODEL SYSTEMS FOR ENERGY STORAGE APPLICATIONS RUMSWINKEL, SIMON - 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 FRECHA, ESTHER - 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 OCHOA, ELBA - 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 CUI, YANBIN - ATKINSON, JOHN
0712	BORON DOPED DIAMOND THERMISTOR FOR IN-SITU DENTAL APPLICATIONS NETO, MIGUEL A. - SILVA, RUI - OLIVEIRA, FILIPE J.
0718	STABILITY OF CARBON-SUPPORTED PT CATALYSTS ON THE AQUEOUS PHASE REFORMING OF TUNA-COOKING WASTEWATER OLIVEIRA, ADRIANA - 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) ALVAREZ-TORRELLAS, SILVIA - DELGADO, JOSÉ ANTONIO - UGUINA, M ^a ANGELES - OVEJERO, GABRIEL - GARCÍA, JUAN - AGUEDA MATE, ISMAEL VICENTE - LARRIBA, MARCOS - PALOMO, JORGE - WENDELBO, RUNE
0721	GRAPHENE OXIDE MEMBRANES IN OCULAR REGENERATIVE MEDICINE GONZALEZ, ZORAIDA - 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 ALONSO-MORALES, NOELIA - BAEZA, JOSE A. - HERAS, FRANCISCO - CALVO, LUISA - RODRIGUEZ, JUAN J. - GILARRANZ, MIGUEL A.
0725	SELF-PROPAGATING HIGH TEMPERATURE SYNTHESIS OF REFRACTORY BORON CARBIDE POWDER SEIDUALIEVA, AIJAN - KAMUNUR, KASTER - MANSUROV, ZULHAIR
0736	ASSISTED DEVELOPMENT OF MESOPHASE IN PITCH WITH THE USE OF DISPERSED GRAPHENE WEISENBERGER, MATTHEW - OWEN, AARON - EATON, DAVE - ANDREWS, RODNEY
0737	THE PRACTICAL FUNDAMENTALS OF AN ADSORBENT FOR ADSORBED NATURAL GAS VEHICLES HOLBROOK, BILLY-PAUL - BURNS, NIKOLAS - ONUBOGU, KEN - REED, BRAD - WILLIAMS, ROGER
0738	DEACTIVATION OF ZIRCONIUM-PHOSPHORUS CARBON CATALYST ON THE DEHYDRATION OF METHANOL TO DME REACTION TORRES-LIÑÁN, JAVIER - GARCÍA-ROLLÁN, MIGUEL - PALOMO, JOSE - ROSAS, JUANA MARIA - RODRÍGUEZ-MIRASOL, JOSE - CORDERO, TOMÁS
0740	GRAPHENE PRODUCTION BY A COMBINATION OF MECHANICAL WET MILLING AND ULTRASOUND MANCILLAS, SERGIO - LÓPEZ, EDDIE
0747	SYNTHESIS AND CHARACTERIZATION OF MESOSTRUCTURED HYBRID CARBON NANOFIBER/REDUCED GRAPHENE OXIDE JASSO-RAMOS, LUIS - 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 OLVERA MARTÍNEZ, JOSE A - MUÑOZ SANDOVAL, EMILIO - LÓPEZ URÍAS, FLORENTINO
0749	SILVER STRUCTURES ANCHORED TO NITROGEN-DOPED CARBON NANOTUBE SPONGES: EFFECT OF NITROGEN FUNCTIONALITIES QUINTERO GONZÁLEZ, CLAUDIA C. - LOPEZ URIAS, FLORENTINO - MUÑOZ SANDOVAL, EMILIO
0751	POST-MORTEM AC CHARACTERIZATION AS THE INSIGHT INTO AGEING PROCESS OF ELECTROCHEMICAL CAPACITORS PIWEK, JUSTYNA - FIC, KRZYSZTOF - PLATEK, ANETTA - GHIMBEU, CAMELIA - FRACKOWIAK, ELZBIETA
0752	ACETANILIDE AND ANTIPYRINE ADSORPTION ON LIGNIN-DERIVED ACTIVATED CARBON GUTIÉRREZ, MARÍA DEL CARMEN - 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 JEONG, JUN HUI - SHIN, DALWOO - KIM, KWANG BUM

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0759	HIGH TEMPERATURE TREATMENTS OF POROUS ACTIVATED CARBON GARCÍA-MATEOS, FRANCISCO JOSÉ - RUIZ-ROSAS, RAMIRO - ROSAS, JUANA M ^a - RODRÍGUEZ-MIRASOL, JOSÉ - CORDERO, TOMÁS
0760	SALT-TEMPLATED CARBONS AS ELECTRODE MATERIAL IN AQUEOUS ELECTROCHEMICAL CAPACITORS PLATEK, ANETTA - 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 NOVOA, ILSE - JHONY, JACOB - VAZQUEZ, SOFIA - GARCIA, NORA - SHAJI, SADASIVAN - SEPULVEDA, SELENE
0763	ALCOHOL DECOMPOSITION ON BASIC/ACID LIGNIN-DERIVED SUBMICRON DIAMETER CARBON FIBERS GARCÍA-MATEOS, FRANCISCO JOSÉ - ROSAS, JUANA M ^a - RODRÍGUEZ-MIRASOL, JOSÉ - CORDERO, TOMÁS
0766	DOPED CARBON NANOWALLS FOR POWER SOURCES EVLASHIN, STANISLAV - 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 PRODUCTION RODRIGUEZ CORVERA, CRISTINA DE LOURDES - LÓPEZ URÍAS, FLORENTINO - MUÑOZ SANDOVAL, EMILIO
0771	TRANSFORMATION OF TANNING INDUSTRY LEATHER SHAVINGS INTO CR-FUNCTIONALIZED CARBON MATERIALS ARCIBAR, JAVIER - BARAJAS, BERTHA SILVIA - CABELLERO, FELIPE - RANGEL, RENE
0775	BALL-MILLED SILICON CARBIDE TO FABRICATED NITROGEN-DOPED CARBON NANOTUBES. LAMAS MARTÍNEZ, KARLA JOHANA - 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 GALEK, PRZEMYSŁAW - FIC, KRZYSZTOF - FRACKOWIAK, ELZBIETA
0783	GLYCEROL-BASED ACTIVATED CARBON MICROSPHERES FOR THE REMOVAL OF AN IODINATED X-RAY CONTRAST MEDIA BATISTA, MARY - MESTRE, ANA S. - FONSECA, ISABEL
0785	RHEOLOGICAL PROPERTIES OF BIO-PITCHES: INFLUENCE OF VACUUM DISTILLATION PARAMETERS ON FLOW PROPERTIES KILIC, MURAT - ÖZSIN, GAMZENUR - APAYDIN-VAROL, ESIN
0786	SULFUR EFFECT ON THE GROWTH OF NITROGEN-DOPED NANOTUBE SPONGES BY CHEMICAL VAPOR DEPOSITION METHOD HERRERA HARO, LUIS ARMANDO - MUÑOZ-SANDOVAL, EMILIO - LÓPEZ URÍAS, FLORENTINO
0787	ELECTROCHEMICAL PERFORMANCE TO CHARGE TRANSFER OF CUO-DECORATED CARBON NANOFIBERS RODRÍGUEZ-OLGUÍN, MIGUEL A. - 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 POLYANILINE CARBONIZED BY PHYSICAL ACTIVATION RUIZ-ROSAS, RAMIRO - TRAUTWEIN, GUIDO - ALCAÑIZ-MONGE, JUAN - PEREZ-CADENAS, MARIA
0795	ELECTROCHEMICAL OXIDATION OF ORDERED MESOPOROUS CARBONS: INFLUENCE OF CARBON GRAPHITIZATION. PÉREZ-RODRÍGUEZ, SARA - SEBASTIÁN, DAVID - GARCÍA, ANA BEATRIZ - LÁZARO, M ^a JESÚS
0796	ACTIVATED ION-TRACK CARBON FOR FLEXIBLE SUPERCAPACITOR ELECTRODES LAUSEVIC, PETAR - PEJOVIC, PREDRAG - NIKOLIC, VLADIMIR - LAUSEVIC, ZORAN - TOIMIL-MOLARES, MARIA EUGENIA
0798	PLASMA IN LIQUID PROCESSING OF NANOMATERIALS SUSPENSION VIZIREANU, SORIN - 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 ELMOUWAHIDI, ABDELHAKIM - BAILON-GARCIA, ESTHER - CASTELLO-QUIBEN, JESICA - PEREZ-CADENAS, AGUSTIN F. - CARRASCO-MARIN, FRANCISCO
0804	NITROGEN DOPED CARBON SPHERES AS ELECTRODE MATERIAL FOR SUPERCAPACITORS ELMOUWAHIDI, ABDELHAKIM - 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 PAVLENKO, VLADIMIR - 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 HOSHIKAWA, YASUTO - MASHIYAMA, TAKAHIRO - TANABE, KAORI - FUJIWARA, MITSUTERU - ITO, MUTSUHIRO - KYOTANI, TAKASHI
0813	REACTIVITY OF GRAPHENE OXIDE TOWARDS POLYAMINES VERNET-GARCÍA, JOAN - LÓPEZ-ROSA, CRISTINA - LÓPEZ-DE LA TORRE, MARÍA DOLORES - MELGUIZO, MANUEL - LÓPEZ-GARZÓN, JAVIER - GARCÍA-GALLARÍN, CELESTE

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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 NANOGRAFENES INCORPORATING SEVEN-MEMBERED CARBOCYCLES 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-ROSETO, HELENA - GONZÁLEZ-GUTIÉRREZ, LINDA V. - RAMOS-SÁNCHEZ, GUADALUPE - CARRASCO-MARIN, FRANCISCO
0832	SYNTHESIS OF CARBON GELS BY SOL-GEL POLYMERIZATION OF COAL-DERIVED PHENOLIC OILS WITH FORMALDEHYDE 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 - BARRIOCANAL-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

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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-GALPIENSO, LUCIA - FUENTES PEREZ, JENIFER - SERNA ESPINOSA, MANUEL - SILVESTRE ALBERO, JOAQUIN - MARTINEZ ESCANDELL, MANUEL
0867	HIGH CO2 STORAGE CAPACITY ACTIVATED CARBON PREPARED FROM 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, DUISSEN BAY - 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 POLYACRYLONITRILE-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 SECULA, 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

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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	PREPARATION AND CHARACTERIZATION OF NANOCOMPOSITE OF RGO@TiO2 SUPPORTED ON FIBRE FIBERS FOR PHOTOCATALYTIC DEGRADATION OF ORGANIC DYES 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 SULFUR REDUCENS BIOELECTRODES RAMÍREZ-MORENO, MARINA - ORTIZ, JUAN MANUEL - BERENQUER, 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
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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 - WALLACE, 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-LAYER POLYCRYSTALLINE 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 PHTHALOCYANINES WITH CARBON NANOTUBES PÉREZ-CADENAS, MARÍA - ASEDEGBEGA-NIETO, ESTHER - CARTER, JONATHAN - ANDERSON, JAMES A. - RODRÍGUEZ-RAMOS, INMACULADA - GUERRERO-RUIZ, ANTONIO R.
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