

S5: Electrochemical Carbons - 3

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ELABORATION OF CARBON NANOTUBES-BASED NANOCOMPOSITES AS BINDER-FREE ELECTRODES FOR ELECTROCHEMICAL CAPACITORS

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EFFECTS OF NITROGEN- AND OXYGEN-CONTAINING FUNCTIONAL GROUPS OF ELECTROSPUN CARBON NANOFIBERS ON THE ELECTROCHEMICAL PERFORMANCE IN SUPERCAPACITORS

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NICKEL COBALT SULPHIDES ON CARBON MICROTUBES (CMTs /Ni_xCo_yS) COMPOSITES FOR HIGH-PERFORMANCE SUPERCAPACITORS

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BINDER-FREE N-FUNCTIONALIZED HYDROTHERMAL CARBON-BASED DISC ELECTRODE MATERIALS USING UROTROPINE AND GLUCOSE AS PRECURSOR

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EFFECTS OF SUBSTRATE MATERIALS ON ELECTROCHEMICAL PROPERTIES OF PANI FILMS SYNTHESIZED BY ELECTROPOLYMERIZATION

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ULTRASOUND-ASSISTED PREPARATION OF ELECTROSPUN CARBON FIBER/GRAPHENE ELECTRODES FOR CAPACITIVE DEIONIZATION: IMPORTANCE AND UNIQUE ROLE OF ELECTRICAL CONDUCTIVITY

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LAYERED CARBIDE-DERIVED CARBON WITH HIERARCHICALLY POROUS STRUCTURE FOR HIGH-RATE LITHIUM-SULFUR BATTERIES

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FLEXIBLE HIERARCHICAL POROUS CARBON ELECTRODES FOR HIGH-PERFORMANCE SUPERCAPACITORS

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HIERARCHICAL POROUS CARBON MATERIALS WITH HIGH SURFACE AREA FOR SUPERCAPACITORS

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SODIUM ION STORAGE IN BIOMASS-DERIVED CARBONS

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CHEMICAL ACTIVATION OF BIOMASS-DERIVED CARBON FOR ELECTROCHEMICAL ENERGY STORAGE SYSTEM

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ELECTROCHEMICAL REDUCTION OF CO₂ TO CO BY POLYMERIC IONIC LIQUIDS@CARBON CATALYSTS

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THE KEY PRE-PYROLYSIS IN LIGNIN-BASED ACTIVATED CARBON PREPARATION FOR HIGH-PERFORMANCE SUPERCAPACITATIONS

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FABRICATION AND CAPACITANCE OF POROUS CARBON-POLYANILINE HYBRID MATERIALS VIA INTERFACIAL COVALENT BONDING

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FACILE PREPARATION OF CARBON-ENCAPSULATED MnS CORE/SHELL NANOSTRUCTURES TOWARDS HIGH-PERFORMANCE LITHIUM-ION STORAGE

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N-DOPED POROUS CARBON DERIVED FROM COPPER-BASED METAL ORGANIC FRAMEWORK AS ANODE MATERIALS FOR LITHIUM-ION BATTERIES

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S6: Fibers and Composites - 3

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GRAPHITE NANOPATELET-LLDPE MICROTTEXTURED FILMS FOR ENHANCED CONVECTIVE AND CONDUCTIVE HEAT TRANSFER

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EFFECT OF PROCESS PARAMETERS ON BIO-PITCH PRODUCTION THROUGH VACUUM DISTILLATION

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NOVEL CARBON COATING GENERATED ON TUNGSTEN CARBIDE COATED CARBON/CARBON COMPOSITES DURING OXYACETYLENE ABLATION

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STRUCTURAL PROPERTIES OF CARBON FIBRE PRECURSORS

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QUANTITATIVE EFFECT OF OXIDATIVE DEBRIS REMOVAL FROM GRAPHENE OXIDE ON THE IMPROVEMENT OF EPOXY-CARBON FIBER COMPOSITES

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INNOVATIVE SINGLE-STEP PREPARATION METHOD OF Pt SUPPORTED CARBON FIBERS ELECTRODES FROM LIGNIN BY ELECTROSPINNING

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RAPID PRODUCTION OF HIGH-VALUE SUBMICRON-DIAMETER CARBON FIBERS BY ELECTROSPINNING OF LIGNIN

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CHARACTERIZATION OF CARBON FIBER EMBEDDED IN POLYMER MATRIX USING NANOINDENTATION TECHNIQUES

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DEVELOPMENT AND PROPERTIES OF C/SiC COMPOSITE FOR PRECISION ANTENNA REFLECTOR

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N-TYPE THERMOELECTRIC PERFORMANCE OF WATER-PROCESSABLE MWCNT/POLY(VINYLPYRROLIDONE) COMPOSITES ENHANCED BY POLY(ETHYLENEIMINE)

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TAILORING THE SEEBECK COEFFICIENT OF SPRAY-COATED PEDOT: PSS FILMS WITH NITROGEN-DOPED MWCNTs

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ENHANCED THERMOELECTRIC PROPERTIES OF PEDOT: PSS/GO SPRAYED COMPOSITE FILMS BY WET-CHEMICAL TREATMENT

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EFFECT OF PRESSURIZED OXIDATIVE STABILIZATION ON THE PREPARATION OF PITCH-BASED CARBON FIBER

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INFLUENCE OF LINEAR-CHAIN CARBON ON THE PROPERTIES OF THE THIN FILM OF CdO

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GRAPHITIZATION BEHAVIOR OF MATRIX CARBONS FOR C/C COMPOSITE BY FILM BOILING METHOD

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EFFECT OF A LIQUID-LIKE CARBON NANOTUBE REINFORCEMENT ON INTERFACIAL AND MECHANICAL PROPERTIES OF CARBON FIBER FILAMENT WOUND COMPOSITES

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OPTO-MECHANIC SWITCHING BASED ON VERTICALLY ALIGNED CARBON NANOTUBES

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PRODUCTION OF CARBON FIBRES, SHEETS AND TUBES ON DIAMOND FILMS UNDER HIGH POWER PLASMA ETCHING CONDITIONS

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STRONG AND FLEXIBLE CERAMIC COMPOSITES WITH HIGH ELECTRICAL CONDUCTIVITY

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EFFECTS OF STRUCTURAL CHANGE DURING STABILIZATION PROCESS ON THE TENSILE STRENGTH OF PAN-BASED CARBON FIBERS

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EFFECT OF GRAPHITIZATION PARAMETERS ON THE PERFORMANCE OF PAN-BASED CARBON FIBERS

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EFFECTS OF TIME AND POWER OF ULTRASONICATION ON THE SOLVENT REMOVAL OF ELECTROSPUN POLYACRYLONITRILE NANOFIBERS

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ACTIVATED CARBON FIBERS PREPARED FROM OXIDATIVE STABILIZED PAN FIBERS USING STEAM ACTIVATION

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INFLUENCE OF OXYGEN CONTENT ON THE PORE STRUCTURE AND MECHANICAL PROPERTIES OF ACTIVATED PAN CARBON FIBERS

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INFLUENCE OF HYDROPHILIC MODIFICATION ON THE PERFORMANCE OF CARBON FIBER BASED EM BIOFILMS

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THREE-DIMENSIONAL GRAPHENE-BASED ULTRA-LIGHTWEIGHT AEROFOAM

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HYBRID GRAPHENE OXIDE/GRAPHENE BASED FILMS VIA SELF-ASSEMBLY

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FABRICATION OF GRAPHENE ON THE ELECTROPLATING Cu/GRAPHITE SHEET FOR IMPROVING THERMAL PROPERTIES

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SYNTHESIS OF MONO-, BI- AND MULTI-LAYER GRAPHENES ON NICKEL FILMS BY OXY-ACETYLENE TORCH

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SYNTHESIS OF GRAPHENE IN ALTERNATIVE FLAME AND FUNCTIONALIZATION

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STUDY ON SYNTHESIZING GRAPHENE WITH PLANT LEAVES

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SYNTHESIS OF REDUCED GRAPHENE OXIDE FILMS BY CATHODIC ELECTROPHORETIC DEPOSITION FOR PROTECTING CARBON STEEL FROM CORROSION

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TUNING THE NATURE OF NITROGEN ATOMS IN N-CONTAINING RGO: ENHANCED THERMAL OXIDATION STABILITY BY NITROGEN DOPING

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MULTIPLE COLOR GRAPHENE AND TRANSITION-METAL DICHALCOGENIDES QUANTUM DOTS

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CARBON NANOMATERIALS FROM HEXAYNE SURFACTANTS

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GRAPHENE-BASED COMPOSITES USING THE MONOMERS AS A REDUCING AGENT

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THERMAL CONDUCTIVITY OF POLYMER-DERIVED CARBON NANOSHEETS MEASURED BY RAMAN SPECTROSCOPY

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BREATHABLE GRAPHENE OXIDE TOXICANT BARRIERS

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CARBON-GRAPHENE FLEXIBLE FILM FOR HIGH ENERGY DENSITY SUPERCAPACITORS

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PREPARATION OF NANOCARBON-BASED FLEXIBLE TOP ELECTRODES FOR POLYMER SOLAR CELLS WITH IMPROVED LIFETIME

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TAILORING GRAPHENE OXIDE AS A REDOX MEDIATOR TO PROMOTE THE CHEMICAL TRANSFORMATION OF IOPROMIDE

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FORMATION OF 3D GRAPHENE FOAMS ON SOFT TEMPLATED METAL MONOLITHS

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FLEXIBLE GRAPHENE-Mn₃O₄ NANOCOMPOSITE PAPER FOR EFFICIENT ENERGY STORAGE

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GRAPHENE OXIDE-Cu₂Se NANOCOMPOSITES SYNTHESIZED VIA HYDROTHERMAL TECHNIQUE FOR PHOTOCATALYTIC CO₂ REDUCTION

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CVD GROWTH OF LARGE AREA GRAPHENE AND CNT/GRAPHENE COMPOSITE AT LOW TEMPERATURE AND ITS POTENTIAL APPLICATION

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FABRICATION OF rGO/ZnO HYBRID FOR ROOM-TEMPERATURE GAS SENSING

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PREPARATION OF GRAPHENE-BASED ELECTRODE MATERIALS FROM COAL PYROLYSIS GAS VIA CVD METHOD

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FEW-LAYERED GRAPHENE PREPARED VIA EXFOLIATION OF GRAPHITE INTERCALATION COMPOUNDS WITHOUT SONICATION AND ITS CHARACTERISTICS

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ULTRAHIGH VOLUMETRIC SODIUM STORAGE ON FOLDED GRAPHENE ELECTRODES

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GRAM-SCALE PREPARATION OF POROUS GRAPHENE OXIDE WITH HIGH QUANTUM YIELD AND DUAL-WAVELENGTH PHOTOLUMINESCENCE

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DUAL-WAVELENGTH PHOTOLUMINESCENCE OF GRAPHENE QUANTUM DOTS

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SELF-ASSEMBLED TiO₂/COAL-BASED-GRAPHENE MACROPOROUS AEROGELS FOR PHOTOCATALYTIC CONVERSION OF CARBON DIOXIDE

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REVERSIBLE REACTIONS BETWEEN METAL OXIDE/HYDROXIDE AND FUNCTIONAL GROUPS IN GRAPHENE OXIDE

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CHARACTERISATION OF ACTIVATED CARBONS OBTAINED FROM RICE HUSK

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BISPHENOL A REMOVAL BY NUTSHELL-BASED ACTIVATED CARBONS

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CORRELATION BETWEEN PORE SIZE OF ACTIVATED CARBONS AND CHEMICAL SHIFT OF ¹²⁹Xe-NMR

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COMPARATIVE STUDY OF THE ADSORPTION OF PHENOL USING ADSORBENTS OF DIFFERENT ORIGINS

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POROUS CARBON SUB-MICROCAPSULES APPLIED TO CARBON DIOXIDE CAPTURE VIA ENCAPSULATED IONIC LIQUIDS (ENILS)

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EFFECT OF CHEMICAL VAPOR DEPOSITION OF TiCl₄ ON MESOPOROUS CARBON: STUDY OF POROSITY AND CHEMICAL SURFACE

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MESOPOROUS CARBON AEROGELS TAILORED BY ROOM-TEMPERATURE IONIC LIQUIDS

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IRON NANOPARTICLES ATTACHED TO CARBONIZED AGAVE BAGASSE FIBERS THROUGH CARBON NANOTUBES FOR ARSENIC REMOVAL FROM WATER

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CARBON MATERIALS OBTAINED FROM BIOMASS WASTE AS ADSORBENTS OF CO₂ UNDER POST-COMBUSTION CONDITIONS

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HIGH-SURFACE-AREA ACTIVATED CARBON PREPARED BY CHEMICAL ACTIVATION OF ALCELL LIGNIN WITH H₃PO₄

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EFFECT OF HYDROGEN PEROXIDE OXIDATION OF CARBON NANOTUBE ADDITIVES ON THE MICROSTRUCTURE OF PITCH-DERIVED ACTIVATED CARBON FOAM

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EFFICIENT REMOVAL OF LOW CONCENTRATED NO_x OVER CELLULOSE-BASED ACTIVATED CARBON FIBER

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REMOVAL OF LOW-CONCENTRATED NITROGEN MONOXIDE BY UREA/NITRIC ACID CO-IMPREGNATED PITCH-BASED ACTIVATED CARBON FIBER

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TG-MS AND XPS ANALYSIS OF RICE HUSK DERIVED ACTIVATED CARBONS

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STARENE® A NANOCOMPOSITE ENHANCED NATURALLY DERIVED MESOPOROUS CARBON

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IMPROVED MECHANICAL STABILITY OF MOFs CONFINED IN THE CAVITIES OF NANOPOROUS CARBON MATERIALS

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ULTRALIGHT 3D POROUS SYSTEMS BASED ON CARBON NANOMATERIALS

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POROSITY DESIGN IN HYDROTHERMAL CARBON SYNTHESIS

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CHARACTERIZATION AND INFLUENCE OF THE SPECIFIC SURFACE AREA OF THE MgO-TEMPLATED CARBON USING POLYIMIDE AS A CARBON SOURCE

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VALORIZATION OF SEWAGE SLUDGE BY HYDROTHERMAL CARBONIZATION

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FREESTANDING TWO-DIMENSIONAL MEMBRANES GROWN DIRECTLY ON MICROSCALE APERTURES

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CARBON FOAM FROM MIXTURE OF COAL TAR PITCH AND FURFURAL SYNTHESIZED WITHOUT PRESSURE AND STABILIZATION STEP

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PREPARATION AND CAPACITANCE PROPERTIES OF POLYSTYRENE-BASED POROUS CARBON

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ULTRALIGHT CARBON FOAMS WITH SUPERIOR MECHANICAL AND ELECTROMAGNETIC INTERFERENCE SHIELDING PROPERTIES

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THE EFFECT OF THE CHEMICAL PREOXIDATION ON THE N-DOPING

CARBON MATERIALS DERIVED FROM ASPHALTENE

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CAROB PROCESSING WASTES AS PRECURSORS OF SUPERACTIVATED CARBONS

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