

S1: Carbons for Health and Medicine

PI-1

(now O3-4 in S1)

PI-2

HYBRIDIZED CARBON NANOFIBERS CONTAINING BIOACTIVE CERAMIC NANOPARTICLES FOR BONE REPAIRING

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PI-3

THE USE OF ACTIVATED CARBON IN BONE HEALING PROCESS

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PI-4 (withdrawn?)

FLUORESCENT PROPERTIES OF WALNUT SHELLS BASED CARBON QUANTUM DOTS AND THEIR APPLICATIONS IN OSTEOSARCOMA MG-63 CELLS IMAGING

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PI-5

CARBON NANOMATERIALS HYBRID COATINGS AS A SUPPORT FOR NERVE CELLS STIMULATION AND REGENERATION

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PI-6

EFFECTS OF INTERMOLECULAR FORCES ON THE STABILITY OF CARBON NANOTUBES CAPPED BY GOLD NANOPARTICLES AT ACIDIC pH. A MOLECULAR DYNAMICS STUDY

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PI-7

A NOVEL MICRO-MACROPOROUS ACTIVATED CARBON MONOLITH FOR THE URAEMIC TOXIN REMOVAL IN HAEMODIALYSIS

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PI-8

ACTIVATED CARBON AS A POROUS CARRIER FOR AMORPHOUS DRUG DELIVERY

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(now O7-4 in S10)

PI-10

FROM BIOWASTE TO FLUORESCENT CARBON QUANTUM DOTS

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PI-11

EFFECT OF GRAPHENE AND GRAPHENE OXIDE ON SKIN KERATINOCYTES: CYTOXOCITY AND MEMBRANE DAMAGE

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PI-12

ELECTROCHEMICAL GLUCOSE BIOSENSORS BASED ON NANOSTRUCTURED CARBON MATERIALS

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PI-13

MESOPOROUS CARBONS AS NOVEL MATERIALS FOR PASSIVE DRUG DELIVERY

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PI-14

MULTIPLE COLOR GRAPHENE AND TRANSITION-METAL DICHALCOGENIDES QUANTUM DOTS

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PI-15

TOWARD RATIONAL DESIGN OF CARBON NANOMATERIALS: DECOUPLING THE ROLE OF MATERIAL STRUCTURE AND SURFACE CHEMISTRY ON ELECTROCHEMICAL AND ANTIMICROBIAL ACTIVITY

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Co-ADSORPTION OF DOXORUBICIN AND SELECTED DYES IN CARBON NANOTUBES FUNCTIONALIZED BY FOLIC ACID. A MOLECULAR DYNAMICS STUDY

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THE EFFICACIES OF KOCARBONAG IN BACTERIAL BURDEN REDUCTION AND WOUND MANAGEMENT

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S2: Carbon Blacks and Flame-Formed Carbons

PI-18

CARBON COMBUSTION SYNTHESIS OF COMPLEX OXIDES

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PI-19

A 2D FINGERPRINTING APPROACH FOR STRUCTURAL VISUALIZATION OF COMPLEX 3D SOOT ATOMISTIC REPRESENTATIONS

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PI-20

HYDROPHOBIC SOOT NANOPARTICLES FOR OIL SEPARATION

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PI-21

ANALYSES OF CARBONIZED AROMATIC COMPOUNDS WITH VARIOUS EDGES

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PI-22

LASER INDUCED INCANDESCENCE: A MEASUREMENT AND PROCESS DIAGNOSTIC

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CARBONACEOUS MATERIAL DEPOSITION USING THE CATHODIC CAGE PLASMA TECHNIQUE

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S3: Catalysts and Electrocatalysts

P1-24

ACTIVATED CARBON FIBERS AS REDOX MEDIATORS IN BIOLOGICAL SYSTEMS: REDUCTION OF p-NITROPHENOL TO p-AMINOPHENOL

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P1-25

ENHANCED ELECTROCATALYTIC ACTIVITY OF PLATINUM NANOCCLUSERS LOADED ON THE POROUS N-DOPED CARBON LAYER COATED CARBON NANOTUBES

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(cancelled)

P1-27

ENHANCED VISIBLE LIGHT CONVERSION ON O- AND S-DOPED NANOPOROUS CARBONS

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P1-28

INFLUENCE OF METAL-SUPPORT INTERACTION ON THE STABILITY OF CARBON SUPPORTED METALLIC CATALYSTS FOR HYDRODECHLORINATION

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P1-29

HYDRODECHLORINATION OF DICHLOROMETHANE WITH PLATINUM CATALYSTS SUPPORTED ON ACTIVATED CARBONS OBTAINED BY CHEMICAL ACTIVATION OF LIGNIN

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P1-30

IN-DEPTH CHARACTERIZATION OF STABLE DISC ELECTRODE MATERIALS BY MULTI-WALLED CARBON NANOTUBES AND HYDROTHERMAL CARBON AS SUPPORT FOR MANGANESE OXIDES

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ENHANCED SELECTIVITY OF Pt CATALYSTS IN THE HYDROGENATION OF CITRAL BY USING CARBON-TITANIA COMPOSITES AS SUPPORT

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PI-32

NOVEL CARBON-ZrO₂ COMPOSITES AS HIGHLY EFFICIENT VISIBLE-LIGHT PHOTOCATALYSTS

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PI-33

METAL CARBON COMPOSITES PREPARED BY CATALYTIC PYROLYSIS OF POLYETHYLENE AS ELECTROCATALYSTS FOR THE REDUCTION OF CO₂ TO HYDROCARBONS

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PI-34

COBALT DOPED CARBON GELS AS ELECTROCATALYSTS FOR THE REDUCTION OF CO₂ TO HYDROCARBONS

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PHOTOCATALYTIC DEGRADATION OF PHENOL BY TiO₂/CARBON CATALYSTS: THE EFFECT OF IRRADIATION WAVELENGTH

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PI-36

VAN DER WAALS HETEROSTRUCTURES OF TRANSITION METAL DICHALCOGENIDES AND GRAPHENE BY WET CHEMICAL ROUTES AND THEIR CATALYTIC APPLICATIONS

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ACTIVATED CARBON-BASED BIFUNCTIONAL CATALYST FOR THE HYDROCRACKING OF TIRE OIL

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DEPOSITION OF ZnO FILMS ON CARBON FIBERS USING MAGNETRON SPUTTERING TECHNIQUE AS SEEDS FOR GROWING ZnO NANORODS

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PI-39

REDUCED-GRAPHENE-OXIDE/CARBON-NITRIDE PHOTOCATALYSTS FOR THE SELECTIVE PRODUCTION OF ALDEHYDES FROM ALCOHOLS

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PI-40

PHOTOCATALYTIC ACTIVITY OF FUNCTIONALIZED NANODIAMOND-TiO₂ COMPOSITES

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PI-41

PHOTODESIGN OF NANOPOROUS CARBONS USING METAL/POLYMER NANOASSEMBLIES

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ON THE USE OF NANOPOROUS CARBONS ADDITIVES TO WO₃ PHOTOANODES

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ORIENTATION CONTROL OF LACCASE IMMOBILIZED IN A CARBON-COATED ANODIC ALUMINA OXIDE FILM FOR ENHANCING ELECTROCATALYTIC ACTIVITY

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TEXTURE REGULATION AND OXYGEN REDUCTION CATALYTIC ACTIVITY OF NITROGEN DOPED CARBON NANOTUBES

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PI-46

INFLUENCES OF CARBON BLACK ADDITION ON FORMATION OF NANOSHELLS AND OXYGEN REDUCTION REACTION ACTIVITIES OF CARBON ALLOY CATALYSTS

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PI-47

CARBON-BASED MATERIALS FOR THE SUSTAINABLE CATALYSIS AND PHOTOCATALYSIS

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ACTIVATED CARBON FROM BIODIESEL PRODUCTION WASTES FOR GREEN ACID CATALYSIS IN THE VALORIZATION OF GLYCEROL

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PI-49

MOLECULAR-PALLADIUM COMPLEXES COVALENTLY BONDED TO GRAPHENE AS CATALYSTS IN THE HECK CROSS-COUPPLING REACTION

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P1-50

XEROGEL-DERIVED CARBONS WITH TUNABLE POROSITY FOR HOSTING BIOMOLECULES

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TUNING THE PORE STRUCTURE AND SURFACE PROPERTIES OF SULFONATED CARBON GEL MICROHONEYCOMBS TO MAXIMIZE THEIR CATALYTIC PERFORMANCE IN LIQUID PHASE REACTIONS

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SYNERGISTIC ENHANCEMENT OF OXYGEN REDUCTION ACTIVITY OF CARBON CATALYSTS OBTAINED BY SIMULTANEOUS INCORPORATION OF IRON AND COPPER PHTHALOCYANINES TO A PHENOL-FORMALDEHYDE RESIN

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(cancelled)

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BIOMASS-DERIVED POROUS CARBONS FOR THE OXYGEN REDUCTION REACTION

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P1-55

SYNTHESIS AND GROWTH MECHANISM OF CARBON NANOSTRUCTURES ON A Ni-Fe ALLOY COMING FROM A PEROVSKITE CATALYST PRECURSOR

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EGG-DERIVED CARBON ALLOY CATALYSTS FOR ELECTROCHEMICAL HYDROGEN EVOLUTION REACTION

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CARBON SUPPORT EFFECTS ON THE PERFORMANCE OF NOBLE METAL HYDROGENATION CATALYSTS

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PI-58

FACILE ROUTE TO BIMETAL AND NITROGEN-CODOPED 3D POROUS GRAPHITIC CARBON NETWORKS FOR EFFICIENT OXYGEN REDUCTION

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KNOEVENAGEL CONDENSATION UTILIZING NITROGEN-CONTAINING CARBON MATERIALS

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REVIEW FOR ANALYSES OF DEFECTS IN CARBON MATERIALS USING X-RAY PHOTOELECTRON SPECTROSCOPY AND COMPUTATION

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NITROGEN-ENRICHED CARBON WITH ENCAPSULATED NICKEL NANOPARTICLES FOR HYDROGEN EVOLUTION ELECTROCATALYSIS IN ALKALINE ELECTROLYTES

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GRAPHENE QUANTUM DOTS SYNTHESIS AND OPTICAL PROPERTIES

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CARBON STRONGLY COUPLED TWO DIMENSIONAL LAYERED ARCHITECTURES AS HIGH-EFFICIENT ELECTROCATALYSTS FOR WATER SPLITTING

Xiaotong Han, Huawei Huang, Zhibing Liu, and Chang Yu, Jieshan Qiu

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**A FACILE POLYMERIZATION PROCESS FOR PHTHALOCYANINE AS PRECURSORS OF
TRANSITION METAL-NITROGEN DOPED CARBON FOR OXYGEN REDUCTION**

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S7: Fullerenes, Nanotubes and Other Curved Nanostructures

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TRANSPORT PROPERTIES OF SUBSTITUTIONAL AND TRAPPED NITROGEN IN CARBON NANOTUBES

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CARBON NANOTHEADS: AN ABERRATION-CORRECTED TRANSMISSION ELECTRON MICROSCOPY STUDY

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SYNTHESIS, X-RAY AND NEUTRON SCATTERING, AND VIBRATIONAL SPECTROSCOPY STUDIES OF BENZENE-DERIVED CARBON NANOTHEADS

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EFFECT OF DISPERSANT ON THE PHYSICO-CHEMICAL AND ELECTRO-CHEMICAL PROPERTIES OF THE EPD-DEPOSITED CNT LAYERS

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ROLE OF ACETONE IN THE CARBON SPONGE GROWTH

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MULTIWALL CARBON NANOTUBE ARRAY THERMAL INTERFACE MATERIAL

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NITROGEN-DOPED MULTIWALLED CARBON NANOTUBES GROWN ON Co/Cu THIN FILMS

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DOPANTS AS MORPHOLOGY PROMOTERS: A FUNDAMENTAL STUDY OF THE ROLE OF BORON AND SULFUR IN THE FORMATION OF MWCNT JUNCTIONS

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EFFECT ON THE MORPHOLOGY OF NITROGEN-DOPED CARBON NANOTUBES HEATED AT LOW TEMPERATURES

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SELECTIVE SYNTHESIS OF METALLIC SINGLE-WALL CARBON NANOTUBES AND THEIR PROPERTIES

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MICROSTRUCTURE OF α -Fe/ γ -Fe INTERFACES IN NANOWIRES ENCAPSULATED BY MULTIWALLED CARBON NANOTUBES RADIALLY DEPARTING FROM A CENTRAL PARTICLE

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SYNTHESIS OF A NEW AMINO-FUNCTIONALIZED CARBON NANOTUBES FOR THE PURPOSE OF H₂S REMOVAL

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STUDY ON STRUCTURE-SELECTIVE PRODUCTION OF CARBON NANOFIBERS

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FABRICATION AND EVALUATION OF SINGLE-WALLED CARBON NANOTUBES/EPOXY PREPREG AND THEIR COMPOSITES

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ANTI-FREEZING COATING BASED ON SUPERHYDROPHOBIC SOOT IS CONTAINING CARBON NANOTUBES

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SILICON DOPED SINGLE WALLED CARBON NANOTUBES (Si-SWCNT): SYNTHESIS AND CHARACTERIZATION

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ENZYMATIC DEGRADATION OF NITROGEN-DOPED MULTIWALL CARBON NANOTUBES

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STUDY OF RESIDUAL MATERIAL COLLECTED FROM SYNTHESIS OF NITROGEN-DOPED MULTIWALL CARBON NANOTUBES BY CHEMICAL VAPOR DEPOSITION

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SYNTHESIZING PARTICULATE CARBON FROM RENEWABLE MATERIALS

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SYNTHESIS OF MULTIWALLED CARBON NANOTUBES BY CVD METHOD

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LOW TEMPERATURE SYNTHESIS OF CARBON NANOTUBES BY THERMAL CVD ON NICKEL NANOPOWDERS

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SYNTHESIS OF CARBON MATERIALS AND THEIR COMPARATIVE STUDY ON ABSORPTIVE CAPACITY OF SOLAR ENERGY

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SYNTHESIS AND EXPERIMENTAL CHARACTERIZATION OF NITROGEN-DOPED CARBON NANOTUBES USING THE CVD METHOD: FORMATION OF NANOBUD-LIKE CONFIGURATIONS

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THE FORMATION OF FILAMENTOUS AND FOLDED CARBON NANOSTRUCTURES FROM RENEWABLE RESOURCES

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INTERCALATION BEHAVIOR OF HELICALLY STACKED CONE STRUCTURE OF GRAPHENE RIBBON

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XPS AND RAMAN STUDIES OF NITROGEN DOPED CARBON NANOTUBES ACROSS THE REACTOR

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A COST EFFECTIVE PROCESS FOR THE PRODUCTION OF CARBON NANOTUBES AND H-CNG

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HUMIDITY SENSORS BASED ON METAL CARBON

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GENERATION OF ELECTRICAL ENERGY FROM HIGHLY ALIGNED CNT SHEET AND ITS APPLICATION TO MOTION SENSING

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ESTIMATION OF CONCENTRATION OF ADDITIVES AND CARBON NANOTUBES IN SUSPENSIONS AND ELECTROPHORETICALLY DEPOSITED COATINGS BY MEANS OF UV-VIS ABSORPTION SPECTROSCOPY

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DESIGNING STRUCTURE DEFECTS TO ACHIEVE EXCITATION-INDEPENDENT AND EXCITATION-DEPENDENT FLUORESCENT CARBON DOTS AND SENSITIVE Ag⁺ DETECTION

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CARBON NANOTUBE SILICON HETEROJUNCTION SOLAR CELLS

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