

Dimitrios Gournis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

198
papers

7,055
citations

41
h-index

77
g-index

213
ext. papers

7,771
ext. citations

5.7
avg, IF

5.74
L-index

#	Paper	IF	Citations
198	Immobilization of Laccase on Hybrid Super-Structured Nanomaterials for the Decolorization of Phenolic Dyes. <i>Processes</i> , 2022 , 10, 233	2.9	1
197	Biomass Waste Carbonization in Piranha Solution: A Route to Hypergolic Carbons?. <i>Micro</i> , 2022 , 2, 137-153		
196	Microwave Synthesis, Characterization and Perspectives of Wood Pencil-Derived Carbon. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 410	2.6	0
195	Assessment of the genotoxic potential of three novel composite nanomaterials using human lymphocytes and the fruit fly <i>Drosophila melanogaster</i> as model systems. <i>Chemical Engineering Journal Advances</i> , 2022 , 9, 100230	3.6	1
194	H ₂ S removal by copper enriched porous carbon cuboids. <i>Carbon Trends</i> , 2022 , 7, 100145	0	0
193	Bimetallic gold-platinum nanoparticles as a drug delivery system coated with a new drug to target glioblastoma.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 214, 112463	6	1
192	A Four-enzyme Nanoassembly Consisting of Hydrolases and Oxidoreductases for Multi-step Cascade Reactions. <i>Methods in Molecular Biology</i> , 2022 , 263-278	1.4	
191	Ultrafine Ni ₂ P Nanoparticle-Decorated r-GO: A Novel Liquid-Phase Approach and Dibenzothiophene Hydro-desulfurization. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4300-4309	3.9	1
190	Carbon Nanostructures Derived through Hypergolic Reaction of Conductive Polymers with Fuming Nitric Acid at Ambient Conditions. <i>Molecules</i> , 2021 , 26,	4.8	6
189	Critical Aspects in the Development and Integration of Encapsulated Healing Agents in Cement and Concrete. <i>Journal of Advanced Concrete Technology</i> , 2021 , 19, 301-320	2.3	3
188	Hypergolic Ignition of 1,3-Cyclodienes by Fuming Nitric Acid toward the Fast and Spontaneous Formation of Carbon Nanosheets at Ambient Conditions. <i>Micro</i> , 2021 , 1, 15-27		3
187	Preparation and Characterization of Polystyrene Hybrid Composites Reinforced with 2D and 3D Inorganic Fillers. <i>Micro</i> , 2021 , 1, 3-14		1
186	Development of a Novel Bi-Enzymatic Nanobiocatalyst for the Efficient Bioconversion of Oleuropein to Hydroxytyrosol. <i>Catalysts</i> , 2021 , 11, 749	4	6
185	Trends of nanotechnology in type 2 diabetes mellitus treatment. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021 , 16, 62-76	9	10
184	Highly Efficient Remediation of Chloridazon and Its Metabolites: The Case of Graphene Oxide Nanoplatelets. <i>ACS ES&T Water</i> , 2021 , 1, 157-166		1
183	Synthesis of 2D Germanane (GeH): a New, Fast, and Facile Approach. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 360-365	16.4	10
182	Synthesis of 2D Germanane (GeH): a New, Fast, and Facile Approach. <i>Angewandte Chemie</i> , 2021 , 133, 364-369	3.6	0

181	A diamino-functionalized silsesquioxane pillared graphene oxide for CO capture.. <i>RSC Advances</i> , 2021 , 11, 13743-13750	3.7	0
180	Germanane Monolayer Films as Antibacterial Coatings. <i>ACS Applied Nano Materials</i> , 2021 , 4, 2333-2338	5.6	4
179	Green Synthesized Magnetic Nanoparticles as Effective Nanosupport for the Immobilization of Lipase: Application for the Synthesis of Lipophenols. <i>Nanomaterials</i> , 2021 , 11,	5.4	6
178	Structure/Properties Relationship of Anionically Synthesized Diblock Copolymers "" Chemically Modified Graphene. <i>Polymers</i> , 2021 , 13,	4.5	1
177	Hypergolic Synthesis of Inorganic Materials by the Reaction of Metallocene Dichlorides with Fuming Nitric Acid at Ambient Conditions: The Case of Photocatalytic Titania. <i>Sci</i> , 2021 , 3, 46	0.7	0
176	A facile approach to hydrophilic oxidized fullerenes and their derivatives as cytotoxic agents and supports for nanobiocatalytic systems. <i>Scientific Reports</i> , 2020 , 10, 8244	4.9	14
175	Hypergolics in Carbon Nanomaterials Synthesis: New Paradigms and Perspectives. <i>Molecules</i> , 2020 , 25,	4.8	9
174	Advances in fluorescent carbon dots for biomedical applications. <i>Advances in Physics: X</i> , 2020 , 5, 1758592	3.1	17
173	Segregation of Maghemite Nanoparticles within Symmetric Diblock Copolymer and Triblock Terpolymer Patterns under Solvent Vapor Annealing. <i>Materials</i> , 2020 , 13,	3.5	2
172	Hierarchical Porous Carbon-PLLA and PLGA Hybrid Nanoparticles for Intranasal Delivery of Galantamine for Alzheimer's Disease Therapy. <i>Pharmaceutics</i> , 2020 , 12,	6.4	15
171	Functional Carbon Materials Derived through Hypergolic Reactions at Ambient Conditions. <i>Nanomaterials</i> , 2020 , 10,	5.4	11
170	Use of functionalized carbon nanotubes for the development of robust nanobiocatalysts. <i>Methods in Enzymology</i> , 2020 , 630, 263-301	1.7	9
169	Synthesis of Highly Crystalline Graphite from Spontaneous Ignition of In Situ Derived Acetylene and Chlorine at Ambient Conditions. <i>Molecules</i> , 2020 , 25,	4.8	17
168	Fabrication of highly ordered Cu/Fe decorated polyhedral oligomeric silsesquioxane hybrids: How metal coordination influences structure. <i>Journal of Colloid and Interface Science</i> , 2020 , 572, 207-215	9.3	
167	Insertion of Iron Decorated Organic-Inorganic Cage-Like Polyhedral Oligomeric Silsesquioxanes between Clay Platelets by Langmuir Schaefer Deposition. <i>Materials</i> , 2020 , 13,	3.5	2
166	Nanocarbon from Rocket Fuel Waste: The Case of Furfuryl Alcohol-Fuming Nitric Acid Hypergolic Pair. <i>Nanomaterials</i> , 2020 , 11,	5.4	5
165	Smectite clay pillared with copper complexed polyhedral oligosilsesquioxane for adsorption of chloridazon and its metabolites. <i>Environmental Science: Nano</i> , 2020 , 7, 424-436	7.1	8
164	Lipase immobilized on magnetic hierarchically porous carbon materials as a versatile tool for the synthesis of bioactive quercetin derivatives. <i>Bioresource Technology Reports</i> , 2020 , 9, 100372	4.1	5

163	Cytotoxicity Effects of Water-Soluble Multi-Walled Carbon Nanotubes Decorated with Quaternized Hyperbranched Poly(ethyleneimine) Derivatives on Autotrophic and Heterotrophic Gram-Negative Bacteria. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	3
162	Titanium Dioxide Grafted on Graphene Oxide: Hybrid Nanofiller for Effective and Low-Cost Proton Exchange Membranes. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
161	Hypergolic Materials Synthesis through Reaction of Fuming Nitric Acid with Certain Cyclopentadienyl Compounds. <i>Journal of Carbon Research</i> , 2020 , 6, 61	3.3	6
160	Rapid Carbon Formation from Spontaneous Reaction of Ferrocene and Liquid Bromine at Ambient Conditions. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
159	Synthesis, Characterization and Mechanical Properties of Nanocomposites Based on Novel Carbon Nanowires and Polystyrene. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 5737	2.6	2
158	CO ₂ Methanation on Supported Rh Nanoparticles: The combined Effect of Support Oxygen Storage Capacity and Rh Particle Size. <i>Catalysts</i> , 2020 , 10, 944	4	17
157	New Porous Heterostructures Based on Organo-Modified Graphene Oxide for CO Capture. <i>Frontiers in Chemistry</i> , 2020 , 8, 564838	5	3
156	-Shaped Copolymer of Polyethylene and Poly(ethylene oxide) under Severe Confinement: Phase State and Dynamics. <i>Langmuir</i> , 2020 , 36, 4261-4271	4	4
155	Polymorphism with Conformational Isomerism and Incomplete Crystallization in Solid Ethanolamine. <i>Crystal Growth and Design</i> , 2019 , 19, 6360-6369	3.5	1
154	Enzymatic Conversion of Oleuropein to Hydroxytyrosol Using Immobilized -Glucosidase on Porous Carbon Cuboids. <i>Nanomaterials</i> , 2019 , 9,	5.4	14
153	Highly Conductive Metallic State and Strong Spin-Orbit Interaction in Annealed Germanane. <i>Nano Letters</i> , 2019 , 19, 1520-1526	11.5	24
152	Development of Effective Lipase-Hybrid Nanoflowers Enriched with Carbon and Magnetic Nanomaterials for Biocatalytic Transformations. <i>Nanomaterials</i> , 2019 , 9,	5.4	27
151	Synthesis and characterization of porous clay-organic heterostructures. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 91, 295-301	2.3	5
150	Antibacterial and Algicidal Effects of Porous Carbon Cuboid Nanoparticles. <i>ACS Omega</i> , 2019 , 4, 4991-5001	3.9	6
149	Intrinsic photoluminescence of amine-functionalized graphene derivatives for bioimaging applications. <i>Applied Materials Today</i> , 2019 , 17, 112-122	6.6	17
148	Direct production of carbon nanosheets by self-ignition of pyrophoric lithium dialkylamides in air. <i>Materials Letters</i> , 2019 , 254, 58-61	3.3	11
147	Layer-by-Layer Assembly of Clay-Carbon Nanotube Hybrid Superstructures. <i>ACS Omega</i> , 2019 , 4, 18100-18107	3.9	10
146	Optimization of Silver Nanoparticle Synthesis by Banana Peel Extract Using Statistical Experimental Design, and Testing of their Antibacterial and Antioxidant Properties. <i>Current Pharmaceutical Biotechnology</i> , 2019 , 20, 858-873	2.6	2

145	Development of a Four-Enzyme Magnetic Nanobiocatalyst for Multi-Step Cascade Reactions. <i>Catalysts</i> , 2019 , 9, 995	4	12
144	Controlled deposition of fullerene derivatives within a graphene template by means of a modified Langmuir-Schaefer method. <i>Journal of Colloid and Interface Science</i> , 2018 , 524, 388-398	9.3	10
143	Synthesis, characterization and assessment of hydrophilic oxidized carbon nanodiscs in bio-related applications. <i>RSC Advances</i> , 2018 , 8, 122-131	3.7	5
142	CO ₂ adsorption behavior of amine-functionalized ZIF-8, graphene oxide, and ZIF-8/graphene oxide composites under dry and wet conditions. <i>Microporous and Mesoporous Materials</i> , 2018 , 267, 53-67	5.3	84
141	Iron-substituted cubic silsesquioxane pillared clays: Synthesis, characterization and acid catalytic activity. <i>Journal of Colloid and Interface Science</i> , 2018 , 510, 395-406	9.3	10
140	The Role of Diamines in the Formation of Graphene Aerogels. <i>Frontiers in Materials</i> , 2018 , 5,	4	14
139	Hybrid Nanomaterials of Magnetic Iron Nanoparticles and Graphene Oxide as Matrices for the Immobilization of α -Glucosidase: Synthesis, Characterization, and Biocatalytic Properties. <i>Frontiers in Materials</i> , 2018 , 5,	4	20
138	Mapping of Graphene Oxide and Single Layer Graphene Flakes Defects Annealing and Healing. <i>Frontiers in Materials</i> , 2018 , 5,	4	16
137	Stabilization of Laccase Through Immobilization on Functionalized GO-Derivatives. <i>Methods in Enzymology</i> , 2018 , 609, 47-81	1.7	5
136	Facile MoS ₂ Growth on Reduced Graphene-Oxide via Liquid Phase Method. <i>Frontiers in Materials</i> , 2018 , 5,	4	4
135	Self-assembly of one-side-functionalized graphene nanosheets in bilayered superstructures for drug delivery. <i>Journal of Materials Science</i> , 2018 , 53, 11167-11175	4.3	5
134	Graphene/Carbon Dot Hybrid Thin Films Prepared by a Modified Langmuir-Schaefer Method. <i>ACS Omega</i> , 2017 , 2, 2090-2099	3.9	26
133	Top-down and bottom-up approaches to transparent, flexible and luminescent nitrogen-doped carbon nanodot-clay hybrid films. <i>Nanoscale</i> , 2017 , 9, 10256-10262	7.7	33
132	Uniform growth of fct FePt nanoparticles on the surface of reduced-GO via a green facile approach. Ferromagnetic r-GO nanocomposites with high coercivity and surface area. <i>Carbon</i> , 2017 , 121, 209-216	10.4	2
131	Fullerol/graphene nanobuds: Novel water dispersible and highly conductive nanocarbon for electrochemical sensing. <i>Applied Materials Today</i> , 2017 , 9, 71-76	6.6	8
130	Fe(III)-functionalized carbon dots Highly efficient photoluminescence redox catalyst for hydrogenations of olefins and decomposition of hydrogen peroxide. <i>Applied Materials Today</i> , 2017 , 7, 179-184	6.6	23
129	Hydrogenated Fluorographene: A 2D Counterpart of Graphene with Enhanced Nonlinear Optical Properties. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 22567-22575	3.8	16
128	Production of hierarchical all graphitic structures: A systematic study. <i>Journal of Colloid and Interface Science</i> , 2017 , 487, 444-457	9.3	17

127	Mechanical, thermal and decomposition behavior of poly(ϵ -caprolactone) nanocomposites with clay-supported carbon nanotube hybrids. <i>Thermochimica Acta</i> , 2016 , 642, 67-80	2.9	24
126	Variable-range electron hopping, conductivity cross-over and space-charge relaxation in C 60 Br 6. <i>Synthetic Metals</i> , 2016 , 217, 123-128	3.6	5
125	The effect of the degree of oxidation on broadband nonlinear absorption and ferromagnetic ordering in graphene oxide. <i>Nanoscale</i> , 2016 , 8, 2908-17	7.7	33
124	Graphene oxide derivatives with variable alkyl chain length and terminal functional groups as supports for stabilization of cytochrome c. <i>International Journal of Biological Macromolecules</i> , 2016 , 84, 227-35	7.9	34
123	Comparing hydrogen sorption in different Pd-doped pristine and surface-modified nanoporous carbons. <i>Carbon</i> , 2016 , 98, 1-14	10.4	9
122	Induction of micronuclei by multi-walled carbon nanotubes interacting with humic acids in cultured human lymphocytes. <i>Environmental Science: Nano</i> , 2016 , 3, 74-84	7.1	4
121	Carbon Nanostructures Containing Polyhedral Oligomeric Silsesquioxanes (POSS). <i>Current Organic Chemistry</i> , 2016 , 20, 662-673	1.7	12
120	Laccase-Functionalized Graphene Oxide Assemblies as Efficient Nanobiocatalysts for Oxidation Reactions. <i>Sensors</i> , 2016 , 16, 287	3.8	30
119	Determination of phenolic compounds using spectral and color transitions of rhodium nanoparticles. <i>Analytica Chimica Acta</i> , 2016 , 932, 80-7	6.6	13
118	Unexpected orbital magnetism in Bi-rich Bi ₂ Se ₃ nanoplatelets. <i>NPG Asia Materials</i> , 2016 , 8, e271-e271	10.3	6
117	Graphene nanobuds: Synthesis and selective organic derivatisation. <i>Carbon</i> , 2016 , 110, 51-55	10.4	13
116	Effect of graphene oxide and its modification on the microstructure, thermal properties and enzymatic hydrolysis of poly(ethylene succinate) nanocomposites. <i>Thermochimica Acta</i> , 2015 , 614, 116-128	2.8	16
115	Composite polymer electrolyte membranes based on MgAl layered double hydroxide (LDH) platelets for H ₂ /air-fed fuel cells. <i>Solid State Ionics</i> , 2015 , 276, 40-46	3.3	37
114	Investigation of layered double hydroxide (LDH) Nafion-based nanocomposite membranes for high temperature PEFCs. <i>Energy Conversion and Management</i> , 2015 , 96, 39-46	10.6	27
113	In situ growth of capping-free magnetic iron oxide nanoparticles on liquid-phase exfoliated graphene. <i>Nanoscale</i> , 2015 , 7, 8995-9003	7.7	6
112	Graphene oxide stabilized by PLA-PEG copolymers for the controlled delivery of paclitaxel. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 93, 18-26	5.7	71
111	Glass transition and segmental dynamics in poly(l-lactic acid)/graphene oxide nanocomposites. <i>Thermochimica Acta</i> , 2015 , 617, 44-53	2.9	47
110	Highly dispersible disk-like graphene nanoflakes. <i>Nanoscale</i> , 2015 , 7, 15059-64	7.7	8

109	Stabilization of Phenolic Radicals on Graphene Oxide: An XPS and EPR Study. <i>Langmuir</i> , 2015 , 31, 10508-10516	46	47
108	Green and simple route toward boron doped carbon dots with significantly enhanced non-linear optical properties. <i>Carbon</i> , 2015 , 83, 173-179	10.4	205
107	Graphite Oxide and Aromatic Amines: Size Matters. <i>Advanced Functional Materials</i> , 2015 , 25, 263-269	15.6	35
106	A Bottom-Up Approach for the Synthesis of Highly Ordered Fullerene-Intercalated Graphene Hybrids. <i>Frontiers in Materials</i> , 2015 , 2,	4	20
105	Water-Triggered Conduction Mediated by Proton Exchange in a Hygroscopic Fulleride and Its Hydrate. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 685-694	3.8	15
104	Hydrophilic Nanotube Supported Graphene/Water Dispersible Carbon Superstructure with Excellent Conductivity. <i>Advanced Functional Materials</i> , 2015 , 25, 1481-1487	15.6	56
103	Hydrogen storage in ordered and disordered phenylene-bridged mesoporous organosilicas. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 2104-2114	6.7	15
102	Immobilization of Enzymes and other Biomolecules on Graphene 2014 , 139-172		1
101	Layer-by-Layer Assembly of Graphene-Based Hybrid Materials 2014 , 359-400		2
100	Graphene-based nanobiocatalytic systems: recent advances and future prospects. <i>Trends in Biotechnology</i> , 2014 , 32, 312-20	15.1	129
99	Sulfonated Graphene Oxide Platelets in Nafion Nanocomposite Membrane: Advantages for Application in Direct Methanol Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 24357-24368	3.8	74
98	Evaluation of the formed interface in biodegradable poly(l-lactic acid)/graphene oxide nanocomposites and the effect of nanofillers on mechanical and thermal properties. <i>Thermochimica Acta</i> , 2014 , 597, 48-57	2.9	61
97	Towards Novel Multifunctional Pillared Nanostructures: Effective Intercalation of Adamantylamine in Graphene Oxide and Smectite Clays. <i>Advanced Functional Materials</i> , 2014 , 24, 5841-5850	15.6	25
96	Ultralow Dynamics of Water in Organic Molecular Solids. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4941-4950	3.8	17
95	Hopping Conductivity and Polarization Effects in a Fullerene Derivative Salt. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12170-12175	3.8	25
94	Performance of layer-by-layer deposited low dimensional building blocks of graphene-prussian blue onto graphite screen-printed electrodes as sensors for hydrogen peroxide. <i>Electrochimica Acta</i> , 2014 , 146, 477-484	6.7	34
93	Methane storage in zeolite-like carbon materials. <i>Microporous and Mesoporous Materials</i> , 2014 , 188, 16-23	3.3	43
92	Effects of hot liquid-water treatment on local proton conductivity at surfaces of sulfonated poly(arylene ketone) block copolymer membrane for fuel cells studied by current-sensing atomic force microscopy. <i>Electrochimica Acta</i> , 2014 , 143, 383-389	6.7	13

91	Direct observation of spin-injection in tyrosinate-functionalized single-wall carbon nanotubes. <i>Carbon</i> , 2014 , 67, 424-433	10.4	4
90	A hydrogen sorption study on a Pd-doped CMK-3 type ordered mesoporous carbon. <i>Adsorption</i> , 2013 , 19, 803-811	2.6	9
89	Controlled preparation of carbon nanotube/iron oxide nanoparticle hybrid materials by a modified wet impregnation method. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	12
88	Revealing the ultrafast process behind the photoreduction of graphene oxide. <i>Nature Communications</i> , 2013 , 4, 2560	17.4	100
87	Carbon nanotube growth on high modulus carbon fibres: Morphological and interfacial characterization. <i>Surface and Interface Analysis</i> , 2013 , 45, 1372-1381	1.5	25
86	Tuning the dispersibility of carbon nanostructures from organophilic to hydrophilic: towards the preparation of new multipurpose carbon-based hybrids. <i>Chemistry - A European Journal</i> , 2013 , 19, 12884-12891	4.8	15
85	p-Xylylenediamine intercalation of graphene oxide for the production of stitched nanostructures with a tailored interlayer spacing. <i>Carbon</i> , 2013 , 59, 100-108	10.4	38
84	Incorporation of pure fullerene into organoclays: towards C60-pillared clay structures. <i>Chemistry - A European Journal</i> , 2013 , 19, 7937-43	4.8	6
83	Chemical Functionalization of Carbon Nanotubes for Dispersion in Epoxy Matrices. <i>Solid Mechanics and Its Applications</i> , 2013 , 155-183	0.4	2
82	Nanocomposites of polystyrene-b-poly(isoprene)-b-polystyrene triblock copolymer with clay-carbon nanotube hybrid nanoadditives. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 907-15	3.4	17
81	Synthesis, characterization and non-linear optical response of organophilic carbon dots. <i>Carbon</i> , 2013 , 61, 640-643	10.4	64
80	Enhancement of cytochrome c catalytic behaviour by affecting the heme environment using functionalized carbon-based nanomaterials. <i>Process Biochemistry</i> , 2013 , 48, 1010-1017	4.8	40
79	Biodegradable poly(ethylene succinate) nanocomposites. Effect of filler type on thermal behaviour and crystallization kinetics. <i>Polymer</i> , 2013 , 54, 4604-4616	3.9	38
78	Fibrous hydroxyapatite/carbon nanotube composites by chemical vapor deposition: In situ fabrication, structural and morphological characterization. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2013 , 178, 457-464	3.1	12
77	A novel route towards high quality fullerene-pillared graphene. <i>Carbon</i> , 2013 , 61, 313-320	10.4	22
76	Hydrogen Storage in Graphene-Based Materials: Efforts Towards Enhanced Hydrogen Absorption. <i>ECS Journal of Solid State Science and Technology</i> , 2013 , 2, M3160-M3169	2	85
75	Solubilisation of Multiwalled Carbon Nanotubes by Synthetic Humic Acids Studied by ATR-FTIR Spectroscopy 2013 , 793-797		
74	Development of effective nanobiocatalytic systems through the immobilization of hydrolases on functionalized carbon-based nanomaterials. <i>Bioresource Technology</i> , 2012 , 115, 164-71	11	125

73	Aqueous-dispersible fullerol-carbon nanotube hybrids. <i>Materials Letters</i> , 2012 , 82, 48-50	3.3	7
72	Naphthalene-based periodic nanoporous organosilicas: II. Hydrogen and methane adsorption and physicochemical study. <i>Microporous and Mesoporous Materials</i> , 2012 , 158, 332-338	5.3	11
71	Naphthalene-based periodic nanoporous organosilicas: I. Synthesis and structural characterization. <i>Microporous and Mesoporous Materials</i> , 2012 , 158, 324-331	5.3	6
70	Nanocomposite catalysts producing durable, super-black carbon nanotube systems: applications in solar thermal harvesting. <i>ACS Nano</i> , 2012 , 6, 10475-85	16.7	79
69	Gd(III)-doped carbon dots as a dual fluorescent-MRI probe. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23327		169
68	Nanohybrids based on polymeric ionic liquid prepared from functionalized MWCNTs by modification of anionically synthesized poly(4-vinylpyridine). <i>Journal of Polymer Science Part A</i> , 2012 , 50, 1181-1186	2.5	12
67	Prussian blue analogues of reduced dimensionality. <i>Small</i> , 2012 , 8, 2532-40	11	18
66	Graphene-based nafion nanocomposite membranes: enhanced proton transport and water retention by novel organo-functionalized graphene oxide nanosheets. <i>Small</i> , 2012 , 8, 3338-49	11	110
65	The molecularly controlled synthesis of ordered bi-dimensional C60 arrays. <i>Chemistry - A European Journal</i> , 2012 , 18, 7594-600	4.8	9
64	Controlled synthesis of carbon-encapsulated copper nanostructures by using smectite clays as nanotemplates. <i>Chemistry - A European Journal</i> , 2012 , 18, 9305-11	4.8	10
63	Effect of [Fe(CN)6]4- substitutions on the spin-flop transition of a layered nickel phyllosilicate. <i>Langmuir</i> , 2012 , 28, 10289-95	4	6
62	Regulation of catalytic behaviour of hydrolases through interactions with functionalized carbon-based nanomaterials. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	59
61	Evaluation of smectite clays as nanofillers for the synthesis of nanocomposite polymer electrolytes for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 6236-6245	6.7	40
60	Synthesis and characterization of carbon nanotubes decorated with Pt and PtRu nanoparticles and assessment of their electrocatalytic performance. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 1243-1253	6.7	40
59	Organic Functionalization of Nanotubes by Dipolar Cycloaddition 2011 , 289-308		1
58	Effective improvement of water-retention in nanocomposite membranes using novel organo-modified clays as fillers for high temperature PEMFCs. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 9087-97	3.4	31
57	Synthesis and characterization of low dimensional ZnS- and PbS-semiconductor particles on a montmorillonite template. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14236-44	3.6	14
56	A Langmuir-Schaefer approach for the synthesis of highly ordered organoclay thin films. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 12188-97	3.6	22

55	Revealing the interparticle magnetic interactions of iron oxide nanoparticles-carbon nanotubes hybrid materials. <i>Journal of Physics: Conference Series</i> , 2010 , 217, 012093	0.3	1
54	Enzyme Immobilization on Layered and Nanostructured Materials 2010 , 35-63		5
53	Functionalized Multi-Wall Carbon Nanotubes for Lipase Immobilization. <i>Advanced Engineering Materials</i> , 2010 , 12, B179-B183	3.5	83
52	A two-dimensional magnetic hybrid material based on intercalation of a cationic Prussian blue analog in montmorillonite nanoclay. <i>Journal of Colloid and Interface Science</i> , 2010 , 348, 393-401	9.3	9
51	Lipase immobilization on smectite nanoclays: characterization and application to the epoxidation of alpha-pinene. <i>Bioresource Technology</i> , 2010 , 101, 1587-94	11	106
50	A spectro-microscopic investigation of Fe ₂ O ₃ bimetallic catalysts supported on MgO for the production of thin carbon nanotubes. <i>Carbon</i> , 2010 , 48, 3434-3445	10.4	35
49	Comparative study of different types of graphenes as electrocatalysts for ascorbic acid. <i>Electrochemistry Communications</i> , 2010 , 12, 1307-1309	5.1	82
48	Large-yield preparation of high-electronic-quality graphene by a Langmuir-Schaefer approach. <i>Small</i> , 2010 , 6, 35-9	11	70
47	Lipases in water-in-ionic liquid microemulsions: Structural and activity studies. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009 , 60, 50-56		106
46	Effective immobilization of <i>Candida antarctica</i> lipase B in organic-modified clays: Application for the epoxidation of terpenes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2009 , 165, 173-177	3.1	24
45	Effects of acetate on cation exchange capacity of a Zn-containing montmorillonite: physicochemical significance and metal uptake. <i>Langmuir</i> , 2009 , 25, 6825-33	4	19
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