

Dimitrios Gournis

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198
papers

7,055
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41
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77
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213
ext. papers

7,771
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
198	Graphite Oxide: Chemical Reduction to Graphite and Surface Modification with Primary Aliphatic Amines and Amino Acids. <i>Langmuir</i> , 2003 , 19, 6050-6055	4	1032
197	Decorating carbon nanotubes with metal or semiconductor nanoparticles. <i>Journal of Materials Chemistry</i> , 2007 , 17, 2679		574
196	Attachment of Magnetic Nanoparticles on Carbon Nanotubes and Their Soluble Derivatives. <i>Chemistry of Materials</i> , 2005 , 17, 1613-1617	9.6	215
195	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
194	Multipurpose organically modified carbon nanotubes: from functionalization to nanotube composites. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8733-40	16.4	197
193	Gd(III)-doped carbon dots as a dual fluorescent-MRI probe. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23327		169
192	Graphene-based nanobiocatalytic systems: recent advances and future prospects. <i>Trends in Biotechnology</i> , 2014 , 32, 312-20	15.1	129
191	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
190	Catalytic synthesis of carbon nanotubes on clay minerals. <i>Carbon</i> , 2002 , 40, 2641-2646	10.4	117
189	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
188	Lipases in water-in-ionic liquid microemulsions: Structural and activity studies. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009 , 60, 50-56		106
187	Lipase immobilization on smectite nanoclays: characterization and application to the epoxidation of alpha-pinene. <i>Bioresource Technology</i> , 2010 , 101, 1587-94	11	106
186	Revealing the ultrafast process behind the photoreduction of graphene oxide. <i>Nature Communications</i> , 2013 , 4, 2560	17.4	100
185	Physicochemical study of novel organoclays as heavy metal ion adsorbents for environmental remediation. <i>Journal of Colloid and Interface Science</i> , 2007 , 316, 298-309	9.3	93
184	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
183	Carbon nanotubes encapsulating superconducting single-crystalline tin nanowires. <i>Nano Letters</i> , 2006 , 6, 1131-5	11.5	85
182	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

181	Functionalized Multi-Wall Carbon Nanotubes for Lipase Immobilization. <i>Advanced Engineering Materials</i> , 2010 , 12, B179-B183	3.5	83
180	Comparative study of different types of graphenes as electrocatalysts for ascorbic acid. <i>Electrochemistry Communications</i> , 2010 , 12, 1307-1309	5.1	82
179	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
178	Catalytic production of carbon nanotubes over FeNi bimetallic catalysts supported on MgO. <i>Diamond and Related Materials</i> , 2007 , 16, 155-160	3.5	76
177	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
176	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
175	Large-yield preparation of high-electronic-quality graphene by a Langmuir-Schaefer approach. <i>Small</i> , 2010 , 6, 35-9	11	70
174	A neutron diffraction study of alkali cation migration in montmorillonites. <i>Physics and Chemistry of Minerals</i> , 2008 , 35, 49-58	1.6	70
173	Synthesis, characterization and non-linear optical response of organophilic carbon dots. <i>Carbon</i> , 2013 , 61, 640-643	10.4	64
172	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
171	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
170	Hydrophilic Nanotube Supported Graphene/Water Dispersible Carbon Superstructure with Excellent Conductivity. <i>Advanced Functional Materials</i> , 2015 , 25, 1481-1487	15.6	56
169	Smectite Clays as Solid Supports for Immobilization of α -Glucosidase: Synthesis, Characterization, and Biochemical Properties. <i>Chemistry of Materials</i> , 2008 , 20, 4106-4115	9.6	52
168	Adsorption and radical stabilization of humic-Acid analogues and Pb ²⁺ on restricted phyllosilicate clay. <i>Langmuir</i> , 2006 , 22, 6863-73	4	50
167	Weak ferromagnetism and exchange biasing in cobalt oxide nanoparticle systems. <i>Journal of Applied Physics</i> , 2006 , 99, 123915	2.5	48
166	Glass transition and segmental dynamics in poly(l-lactic acid)/graphene oxide nanocomposites. <i>Thermochimica Acta</i> , 2015 , 617, 44-53	2.9	47
165	Stabilization of Phenolic Radicals on Graphene Oxide: An XPS and EPR Study. <i>Langmuir</i> , 2015 , 31, 10508-16	4.6	47
164	Incorporation of fullerene derivatives into smectite clays: a new family of organic-inorganic nanocomposites. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8561-8	16.4	45

163	Clay-Aminopropylsiloxane Compositions. <i>Chemistry of Materials</i> , 1998 , 10, 639-645	9.6	44
162	Methane storage in zeolite-like carbon materials. <i>Microporous and Mesoporous Materials</i> , 2014 , 188, 16-23	5.3	43
161	Clay-fulleropyrrolidine nanocomposites. <i>Journal of the American Chemical Society</i> , 2006 , 128, 6154-63	16.4	43
160	The Influence of Defects on the Electron-Transfer and Magnetic Properties of $Rb_xMn[Fe(CN)_6]_y \cdot zH_2O$. <i>Chemistry of Materials</i> , 2006 , 18, 1951-1963	9.6	43
159	Formation of hydroxyl radicals catalyzed by clay surfaces. <i>Physics and Chemistry of Minerals</i> , 2002 , 29, 155-158	1.6	43
158	Effect of γ irradiation on clays and organoclays: a Mössbauer and XRD study. <i>Physics and Chemistry of Minerals</i> , 2000 , 27, 514-521	1.6	41
157	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
156	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
155	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
154	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
153	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
152	Formation of carbon nanotubes on iron/cobalt oxides supported on zeolite-Y: Effect of zeolite textural properties and particle morphology. <i>Microporous and Mesoporous Materials</i> , 2008 , 110, 128-140	5.3	38
151	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
150	Evaluation of first-row transition metal oxides supported on clay minerals for catalytic growth of carbon nanostructures. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2008 , 152, 44-49	3.1	36
149	Organic derivatization of single-walled carbon nanotubes by clays and intercalated derivatives. <i>Carbon</i> , 2004 , 42, 865-870	10.4	36
148	Graphite Oxide and Aromatic Amines: Size Matters. <i>Advanced Functional Materials</i> , 2015 , 25, 263-269	15.6	35
147	A spectro-microscopic investigation of FeCo bimetallic catalysts supported on MgO for the production of thin carbon nanotubes. <i>Carbon</i> , 2010 , 48, 3434-3445	10.4	35
146	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

145	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
144	Magnetic Fe ₂ O ₃ /Al ₂ O ₃ composites prepared by a modified wet impregnation method. <i>Journal of Materials Chemistry</i> , 2003 , 13, 871-876		34
143	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
142	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
141	Charge transport in a single superconducting tin nanowire encapsulated in a multiwalled carbon nanotube. <i>Nano Letters</i> , 2008 , 8, 3060-4	11.5	32
140	Nanocomposites of polystyrene-b-polyisoprene copolymer with layered silicates and carbon nanotubes. <i>European Polymer Journal</i> , 2006 , 42, 2098-2107	5.2	32
139	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
138	Enhanced catalytic performance and stability of chloroperoxidase from <i>Caldariomyces fumago</i> in surfactant free ternary water-organic solvent systems. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008 , 51, 24-35		30
137	Clay/Plates: Poly(ethylene oxide)-b-polyisoprene Copolymers in the Presence of Laponite Clay. <i>Chemistry of Materials</i> , 2004 , 16, 1686-1692	9.6	30
136	Ionizing radiation-induced defects in smectite clays. <i>Physics and Chemistry of Minerals</i> , 2001 , 28, 285-290	1.6	30
135	Laccase-Functionalized Graphene Oxide Assemblies as Efficient Nanobiocatalysts for Oxidation Reactions. <i>Sensors</i> , 2016 , 16, 287	3.8	30
134	Development of Effective Lipase-Hybrid Nanoflowers Enriched with Carbon and Magnetic Nanomaterials for Biocatalytic Transformations. <i>Nanomaterials</i> , 2019 , 9,	5.4	27
133	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
132	Physicochemical study of amino-functionalized organosilicon cubes intercalated in montmorillonite clay: H-binding and metal uptake. <i>Journal of Colloid and Interface Science</i> , 2008 , 325, 74-83	9.3	27
131	Graphene/Carbon Dot Hybrid Thin Films Prepared by a Modified Langmuir-Schaefer Method. <i>ACS Omega</i> , 2017 , 2, 2090-2099	3.9	26
130	L10 ordering and magnetic interactions in FePt nanoparticles embedded in MgO and SiO ₂ shell matrices. <i>Journal of Applied Physics</i> , 2007 , 102, 023910	2.5	26
129	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
128	Hopping Conductivity and Polarization Effects in a Fullerene Derivative Salt. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12170-12175	3.8	25

127	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
126	Infrared Reflectance Study of Thermally Treated Li- and Cs-Montmorillonites. <i>Clays and Clay Minerals</i> , 1997 , 45, 649-658	2.1	25
125	Heterogeneous clay-manganese(II) oxidation catalyst. <i>Materials Science and Engineering C</i> , 2002 , 22, 1138-1146	3.16	25
124	Highly Conductive Metallic State and Strong Spin-Orbit Interaction in Annealed Germanane. <i>Nano Letters</i> , 2019 , 19, 1520-1526	11.5	24
123	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
122	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
121	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
120	A novel route towards high quality fullerene-pillared graphene. <i>Carbon</i> , 2013 , 61, 313-320	10.4	22
119	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
118	Clays as a host matrix in the synthesis of organic macrocycles. <i>Chemistry - A European Journal</i> , 2003 , 9, 3904-8	4.8	21
117	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
116	A Bottom-Up Approach for the Synthesis of Highly Ordered Fullerene-Intercalated Graphene Hybrids. <i>Frontiers in Materials</i> , 2015 , 2,	4	20
115	Organoclay Derivatives in the Synthesis of Macrocycles. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 4286-4288	16.4	20
114	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
113	Non-Linear Optical Properties of Zinc Oxide Nanowires. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 1150-1154	1.3	19
112	Prussian blue analogues of reduced dimensionality. <i>Small</i> , 2012 , 8, 2532-40	11	18
111	Advances in fluorescent carbon dots for biomedical applications. <i>Advances in Physics: X</i> , 2020 , 5, 1758592	3.1	17
110	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

109	Intrinsic photoluminescence of amine-functionalized graphene derivatives for bioimaging applications. <i>Applied Materials Today</i> , 2019 , 17, 112-122	6.6	17
108	Ultralow Dynamics of Water in Organic Molecular Solids. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 4941-4950	3.8	17
107	Production of hierarchical all graphitic structures: A systematic study. <i>Journal of Colloid and Interface Science</i> , 2017 , 487, 444-457	9.3	17
106	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
105	Catalytic production of carbon nanotubes over first row transition metal oxides supported on montmorillonite. <i>Journal of Physics: Conference Series</i> , 2005 , 10, 178-181	0.3	17
104	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
103	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	2.9	16
102	Mapping of Graphene Oxide and Single Layer Graphene Flakes Defects Annealing and Healing. <i>Frontiers in Materials</i> , 2018 , 5,	4	16
101	Hydrogenated Fluorographene: A 2D Counterpart of Graphane with Enhanced Nonlinear Optical Properties. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 22567-22575	3.8	16
100	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
99	Hydrogen storage in ordered and disordered phenylene-bridged mesoporous organosilicas. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 2104-2114	6.7	15
98	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	4.9	15
97	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
96	Enzymatic Conversion of Oleuropein to Hydroxytyrosol Using Immobilized -Glucosidase on Porous Carbon Cuboids. <i>Nanomaterials</i> , 2019 , 9,	5.4	14
95	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
94	The Role of Diamines in the Formation of Graphene Aerogels. <i>Frontiers in Materials</i> , 2018 , 5,	4	14
93	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
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	Determination of phenolic compounds using spectral and color transitions of rhodium nanoparticles. <i>Analytica Chimica Acta</i> , 2016 , 932, 80-7	6.6	13
90	Graphene nanobuds: Synthesis and selective organic derivatisation. <i>Carbon</i> , 2016 , 110, 51-55	10.4	13
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	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
87	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
86	Electronic, chemical and structural characterization of CNTs grown by acetylene decomposition over MgO supported Fe/Co bimetallic catalysts. <i>Surface Science</i> , 2007 , 601, 2823-2827	1.8	12
85	Carbon Nanostructures Containing Polyhedral Oligomeric Silsesquioxanes (POSS). <i>Current Organic Chemistry</i> , 2016 , 20, 662-673	1.7	12
84	Development of a Four-Enzyme Magnetic Nanobiocatalyst for Multi-Step Cascade Reactions. <i>Catalysts</i> , 2019 , 9, 995	4	12
83	Functional Carbon Materials Derived through Hypergolic Reactions at Ambient Conditions. <i>Nanomaterials</i> , 2020 , 10,	5.4	11
82	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
81	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
80	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
79	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
78	Layer-by-Layer Assembly of Clay-Carbon Nanotube Hybrid Superstructures. <i>ACS Omega</i> , 2019 , 4, 18100-18107	9.9	10
77	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
76	Trends of nanotechnology in type 2 diabetes mellitus treatment. <i>Asian Journal of Pharmaceutical Sciences</i> , 2021 , 16, 62-76	9	10
75	Synthesis of 2D Germanane (GeH): a New, Fast, and Facile Approach. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 360-365	16.4	10
74	Hypergolics in Carbon Nanomaterials Synthesis: New Paradigms and Perspectives. <i>Molecules</i> , 2020 , 25,	4.8	9

73	Use of functionalized carbon nanotubes for the development of robust nanobiocatalysts. <i>Methods in Enzymology</i> , 2020 , 630, 263-301	1.7	9
72	Comparing hydrogen sorption in different Pd-doped pristine and surface-modified nanoporous carbons. <i>Carbon</i> , 2016 , 98, 1-14	10.4	9
71	A hydrogen sorption study on a Pd-doped CMK-3 type ordered mesoporous carbon. <i>Adsorption</i> , 2013 , 19, 803-811	2.6	9
70	The molecularly controlled synthesis of ordered bi-dimensional C60 arrays. <i>Chemistry - A European Journal</i> , 2012 , 18, 7594-600	4.8	9
69	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
68	Mössbauer and Infrared Study of Heat-Treated Nontronite. <i>Clays and Clay Minerals</i> , 2000 , 48, 68-74	2.1	9
67	Novel Nanohybrids Derived from the Attachment of FePt Nanoparticles on Carbon Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 5942-5951	1.3	9
66	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
65	Highly dispersible disk-like graphene nanoflakes. <i>Nanoscale</i> , 2015 , 7, 15059-64	7.7	8
64	Stability Study of Tyrosinate Radical in a Restricted Phyllo-morphous Medium. <i>Langmuir</i> , 2002 , 18, 10024-10029	4	8
63	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
62	Aqueous-dispersible fullerol-carbon nanotube hybrids. <i>Materials Letters</i> , 2012 , 82, 48-50	3.3	7
61	The Chemistry of Organofunctionalized Silicon Cubanes in Swelling Smectites. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 311, 345-350		7
60	Antibacterial and Algicidal Effects of Porous Carbon Cuboid Nanoparticles. <i>ACS Omega</i> , 2019 , 4, 4991-5001	9.9	6
59	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
58	Naphthalene-based periodic nanoporous organosilicas: I. Synthesis and structural characterization. <i>Microporous and Mesoporous Materials</i> , 2012 , 158, 324-331	5.3	6
57	Incorporation of pure fullerene into organoclays: towards C60-pillared clay structures. <i>Chemistry - A European Journal</i> , 2013 , 19, 7937-43	4.8	6
56	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

55	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
54	Rapid Carbon Formation from Spontaneous Reaction of Ferrocene and Liquid Bromine at Ambient Conditions. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
53	Carbon Nanostructures Derived through Hypergolic Reaction of Conductive Polymers with Fuming Nitric Acid at Ambient Conditions. <i>Molecules</i> , 2021 , 26,	4.8	6
52	Development of a Novel Bi-Enzymatic Nanobiocatalyst for the Efficient Bioconversion of Oleuropein to Hydroxytyrosol. <i>Catalysts</i> , 2021 , 11, 749	4	6
51	Unexpected orbital magnetism in Bi-rich Bi ₂ Se ₃ nanoplatelets. <i>NPG Asia Materials</i> , 2016 , 8, e271-e271	10.3	6
50	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
49	Synthesis and characterization of porous clay-organic heterostructures. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 91, 295-301	2.3	5
48	Synthesis, characterization and assessment of hydrophilic oxidized carbon nanodiscs in bio-related applications. <i>RSC Advances</i> , 2018 , 8, 122-131	3.7	5
47	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
46	Stabilization of Laccase Through Immobilization on Functionalized GO-Derivatives. <i>Methods in Enzymology</i> , 2018 , 609, 47-81	1.7	5
45	Enzyme Immobilization on Layered and Nanostructured Materials 2010 , 35-63		5
44	Nanocarbon from Rocket Fuel Waste: The Case of Furfuryl Alcohol-Fuming Nitric Acid Hypergolic Pair. <i>Nanomaterials</i> , 2020 , 11,	5.4	5
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- 1 A Four-enzyme Nanoassembly Consisting of Hydrolases and Oxidoreductases for Multi-step Cascade Reactions. *Methods in Molecular Biology*, **2022**, 263-278 1.4