

Xiao-Yu Yang

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157
papers

6,294
citations

39
h-index

76
g-index

176
ext. papers

7,297
ext. citations

9.2
avg, IF

5.98
L-index

#	Paper	IF	Citations
157	Applications of hierarchically structured porous materials from energy storage and conversion, catalysis, photocatalysis, adsorption, separation, and sensing to biomedicine. <i>Chemical Society Reviews</i> , 2016 , 45, 3479-563	58.5	904
156	Hierarchically porous materials: synthesis strategies and structure design. <i>Chemical Society Reviews</i> , 2017 , 46, 481-558	58.5	784
155	Hierarchically structured zeolites: synthesis, mass transport properties and applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 17381		327
154	Highly Stable and Reusable Multimodal Zeolite TS-1 Based Catalysts with Hierarchically Interconnected Three-Level MicroMesoMacroporous Structure. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11156-11161	16.4	165
153	Self-formation phenomenon to hierarchically structured porous materials: design, synthesis, formation mechanism and applications. <i>Chemical Communications</i> , 2011 , 47, 2763-86	5.8	164
152	Probing effective photocorrosion inhibition and highly improved photocatalytic hydrogen production on monodisperse PANI@CdS core-shell nanospheres. <i>Applied Catalysis B: Environmental</i> , 2016 , 188, 351-359	21.8	161
151	A chiral layered Co(II) coordination polymer with helical chains from achiral materials. <i>Chemical Communications</i> , 2005 , 1396-8	5.8	151
150	One-Dimensional Metal Oxide Nanotubes, Nanowires, Nanoribbons, and Nanorods: Synthesis, Characterizations, Properties and Applications. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2012 , 37, 1-74	10.1	147
149	High-temperature generalized synthesis of stable ordered mesoporous silica-based materials by using fluorocarbon-hydrocarbon surfactant mixtures. <i>Angewandte Chemie - International Edition</i> , 2003 , 42, 3633-7	16.4	142
148	Immobilization technology: a sustainable solution for biofuel cell design. <i>Energy and Environmental Science</i> , 2012 , 5, 5540-5563	35.4	140
147	Well shaped MnO ₂ nano-octahedra with anomalous magnetic behavior and enhanced photodecomposition properties. <i>Small</i> , 2011 , 7, 475-83	11	117
146	Hierarchical CdS/m-TiO ₂ /G ternary photocatalyst for highly active visible light-induced hydrogen production from water splitting with high stability. <i>Nano Energy</i> , 2018 , 47, 8-17	17.1	103
145	Ultralong Cu(OH) ₂ and CuO nanowire bundles: PEG200-directed crystal growth for enhanced photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2010 , 348, 303-12	9.3	98
144	Nitrogen-doped hollow porous carbon polyhedrons embedded with highly dispersed Pt nanoparticles as a highly efficient and stable hydrogen evolution electrocatalyst. <i>Nano Energy</i> , 2017 , 40, 88-94	17.1	96
143	Homojunction of Oxygen and Titanium Vacancies and its Interfacial n-p Effect. <i>Advanced Materials</i> , 2018 , 30, e1802173	24	86
142	Hierarchically structured functional materials: Synthesis strategies for multimodal porous networks. <i>Pure and Applied Chemistry</i> , 2009 , 81, 2265-2307	2.1	85
141	Confinement Effects in Zeolite-Confined Noble Metals. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12340-12354	16.4	82

140	Encapsulation of Enzymes in Macroporous Cages for Stable, Reusable, and Active Heterogeneous Biocatalysts. <i>Advanced Materials</i> , 2006 , 18, 410-414	24	78
139	One-Pot Synthesis of Catalytically Stable and Active Nanoreactors: Encapsulation of Size-Controlled Nanoparticles within a Hierarchically Macroporous Core@Ordered Mesoporous Shell System. <i>Advanced Materials</i> , 2009 , 21, 1368-1372	24	72
138	Well-organized zeolite nanocrystal aggregates with interconnected hierarchically micro-meso-macropore systems showing enhanced catalytic performance. <i>Chemistry - A European Journal</i> , 2011 , 17, 14987-95	4.8	71
137	Catalytic oxidation of olefins and alcohols by molecular oxygen under air pressure over Cu ₂ (OH)PO ₄ and Cu ₄ O(PO ₄) ₂ catalysts. <i>Journal of Catalysis</i> , 2003 , 218, 460-464	7.3	71
136	Construction of Hierarchical Metal-Organic Frameworks by Competitive Coordination Strategy for Highly Efficient CO Conversion. <i>Advanced Materials</i> , 2019 , 31, e1904969	24	67
135	Superior Pseudocapacitive Lithium-Ion Storage in Porous Vanadium Oxides@C Heterostructure Composite. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43665-43673	9.5	61
134	Preparation of bio-fuels by catalytic cracking reaction of vegetable oil sludge. <i>Fuel</i> , 2011 , 90, 1069-1075	7.1	59
133	Synthesis, Characterization, and Catalytic Activity of Mesostructured Titanosilicates Assembled from Polymer Surfactants with Preformed Titanosilicate Precursors in Strongly Acidic Media. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 8972-8980	3.4	59
132	One particle@one cell: Highly monodispersed PtPd bimetallic nanoparticles for enhanced oxygen reduction reaction. <i>Nano Energy</i> , 2014 , 8, 214-222	17.1	55
131	Self-templated synthesis of microporous CoO nanoparticles with highly enhanced performance for both photocatalysis and lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 1394-1400	13	49
130	Ultrathin carbon layer stabilized metal catalysts towards oxygen reduction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 14007-14014	13	48
129	Enhanced Gas Sensitivity and Selectivity on Aperture-Controllable 3D Interconnected Macro-Mesoporous ZnO Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 8583-90	9.5	47
128	Stable iron-incorporated mesoporous silica materials (MFS-9) prepared in strong acidic media. <i>Microporous and Mesoporous Materials</i> , 2003 , 57, 191-198	5.3	47
127	"Self-repairing" nanoshell for cell protection. <i>Chemical Science</i> , 2015 , 6, 486-491	9.4	46
126	A Highly Ordered Mesoporous Aluminosilicate, CMI-10, with a Si/Al Ratio of One. <i>Advanced Materials</i> , 2006 , 18, 2117-2122	24	46
125	Bioprocess-inspired fabrication of materials with new structures and functions. <i>Progress in Materials Science</i> , 2019 , 105, 100571	42.2	45
124	Single cells in nanoshells for the functionalization of living cells. <i>Nanoscale</i> , 2018 , 10, 3112-3129	7.7	45
123	Synthesis, characterization, and catalytic properties of stable mesoporous aluminosilicates assembled from preformed zeolite L precursors. <i>Microporous and Mesoporous Materials</i> , 2003 , 62, 221-228	5.3	45

122	Organic group-bridged hybrid materials with a Faujasite X zeolite structure (ZOF-X). <i>Microporous and Mesoporous Materials</i> , 2007 , 105, 49-57	5.3	42
121	Ordered mesoporous titanosilicates with catalytically stable and active four-coordinated titanium sites. <i>Chemical Communications</i> , 2004 , 2612-3	5.8	41
120	Self-assembly: an option to nanoporous metal nanocrystals. <i>Nanoscale</i> , 2014 , 6, 13370-82	7.7	39
119	Chemistry of Trimethyl Aluminum: A Spontaneous Route to Thermally Stable 3D Crystalline Macroporous Alumina Foams with a Hierarchy of Pore Sizes. <i>Chemistry of Materials</i> , 2010 , 22, 3251-3258	9.6	39
118	Spatial Heterojunction in Nanostructured TiO and Its Cascade Effect for Efficient Photocatalysis. <i>Nano Letters</i> , 2020 , 20, 3122-3129	11.5	38
117	Multimodal zeolite-beta-based catalysts with a hierarchical, three-level pore structure. <i>ChemSusChem</i> , 2011 , 4, 1452-6	8.3	38
116	Self-generated hierarchically porous titania with high surface area: photocatalytic activity enhancement by macrochannel structure. <i>Journal of Colloid and Interface Science</i> , 2012 , 368, 128-38	9.3	36
115	Biofuel cells Based on the Immobilization of Photosynthetically Active Bioentities. <i>ChemCatChem</i> , 2011 , 3, 476-488	5.2	36
114	Nanocoating of Hydrophobic Mesoporous Silica around MIL-101Cr for Enhanced Catalytic Activity and Stability. <i>Inorganic Chemistry</i> , 2018 , 57, 899-902	5.1	34
113	Multimodal Zr-Silicalite-1 zeolite nanocrystal aggregates with interconnected hierarchically micro-meso-macroporous architecture and enhanced mass transport property. <i>Journal of Colloid and Interface Science</i> , 2012 , 377, 368-74	9.3	34
112	Stable Ordered Mesoporous Silica Materials Templated by High-Temperature Stable Surfactant Micelle in Alkaline Media. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 4696-4700	3.4	34
111	Hierarchical MoS @TiO Heterojunctions for Enhanced Photocatalytic Performance and Electrocatalytic Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1609-1615	4.5	33
110	Confinement Effects in Zeolite-Confined Noble Metals. <i>Angewandte Chemie</i> , 2019 , 131, 12468-12482	3.6	32
109	Mesoporous silica materials with an extremely high content of organic sulfonic groups and their comparable activities with that of concentrated sulfuric acid in catalytic esterification. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 14142-7	3.4	31
108	A stable, reusable, and highly active photosynthetic bioreactor by bio-interfacing an individual cyanobacterium with a mesoporous bilayer nanoshell. <i>Small</i> , 2015 , 11, 2003-10	11	30
107	Catalytic hydroxylation of 2,3,6-trimethylphenol with hydrogen peroxide over copper hydroxyphosphate (Cu ₂ (OH)PO ₄). <i>Applied Catalysis A: General</i> , 2002 , 236, 17-22	5.1	30
106	Benzoic acid as a selector-modulator in the synthesis of MIL-88B(Cr) and nano-MIL-101(Cr). <i>Dalton Transactions</i> , 2019 , 48, 989-996	4.3	29
105	Underwater superoleophobic and underoil superhydrophobic surface made by liquid-exfoliated MoS ₂ for on-demand oil-water separation. <i>Chemical Engineering Journal</i> , 2019 , 361, 322-328	14.7	29

104	Highly Stable and Reusable Multimodal Zeolite TS-1 Based Catalysts with Hierarchically Interconnected Three-Level Micro-Meso-Macroporous Structure. <i>Angewandte Chemie</i> , 2011 , 123, 11352-11357	3.6	28
103	Bimetallic (Zn/Co) MOFs-Derived Highly Dispersed Metallic Co/HPC for Completely Hydrolytic Dehydrogenation of Ammonia-Borane. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 7209-7216	2.9	27
102	Grain Boundaries Enriched Hierarchically Mesoporous MnO/Carbon Microspheres for Superior Lithium Ion Battery Anode. <i>Electrochimica Acta</i> , 2016 , 222, 561-569	6.7	27
101	Rhodium nanoparticles supported on covalent triazine-based frameworks as re-usable catalyst for benzene hydrogenation and hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11934-11943	1.2	26
100	Nitrogen precursor-mediated construction of N-doped hierarchically porous carbon-supported Pd catalysts with controllable morphology and composition. <i>Carbon</i> , 2020 , 159, 451-460	10.4	25
99	High viscosity to highly dispersed PtPd bimetallic nanocrystals for enhanced catalytic activity and stability. <i>Chemical Communications</i> , 2016 , 52, 8219-22	5.8	25
98	The sized controlled synthesis of MIL-101(Cr) with enhanced CO ₂ adsorption property. <i>Inorganic Chemistry Communication</i> , 2018 , 96, 47-51	3.1	24
97	Boosting Lithium-Ion Storage Capability in CuO Nanosheets via Synergistic Engineering of Defects and Pores. <i>Frontiers in Chemistry</i> , 2018 , 6, 428	5	23
96	Polydopamine nanocoated whole-cell asymmetric biocatalysts. <i>Chemical Communications</i> , 2017 , 53, 6617-6620	1.6	22
95	Macroporous ZnO/ZnS/CdS composite spheres as efficient and stable photocatalysts for solar-driven hydrogen generation. <i>Journal of Materials Science</i> , 2017 , 52, 11124-11134	4.3	21
94	Highly dispersed PtPd on graphitic nanofibers and its heavy d-effect. <i>Applied Catalysis B: Environmental</i> , 2019 , 259, 118080	21.8	20
93	Hierarchically porous graphene for batteries and supercapacitors. <i>New Journal of Chemistry</i> , 2018 , 42, 5634-5655	3.6	20
92	Amino acid-based biohybrids for nano-shellization of individual desulfurizing bacteria. <i>Chemical Communications</i> , 2014 , 50, 15407-10	5.8	20
91	Influence of the meso-macroporous ZrO ₂ /TiO ₂ calcination temperature on the pre-reduced Pd/ZrO ₂ /TiO ₂ (1/1) performances in chlorobenzene total oxidation. <i>Catalysis Today</i> , 2011 , 164, 566-570	5.3	20
90	Microstructure and Characteristic of BiVO ₄ Prepared under Different pH Values: Photocatalytic Efficiency and Antibacterial Activity. <i>Materials</i> , 2016 , 9,	3.5	20
89	Rich surface hydroxyl design for nanostructured TiO ₂ and its hole-trapping effect. <i>Chemical Engineering Journal</i> , 2020 , 400, 125909	14.7	19
88	Interfacial co-existence of oxygen and titanium vacancies in nanostructured TiO for enhancement of carrier transport. <i>Nanoscale</i> , 2020 , 12, 8364-8370	7.7	18
87	3D interconnected hierarchically macro-mesoporous TiO ₂ networks optimized by biomolecular self-assembly for high performance lithium ion batteries. <i>RSC Advances</i> , 2016 , 6, 26856-26862	3.7	18

86	Ordered mesoporous aluminosilicates with very low Si/Al ratio and stable tetrahedral aluminum sites for catalysis. <i>Catalysis Today</i> , 2007 , 128, 123-128	5.3	18
85	Design and size control of uniform zeolite nanocrystals synthesized in adjustable confined voids formed by recyclable monodisperse polymer spheres. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 2563-8	16.4	18
84	Spatially Ordered Arrangement of Multifunctional Sites at Molecule Level in a Single Catalyst for Tandem Synthesis of Cyclic Carbonates. <i>Inorganic Chemistry</i> , 2020 , 59, 1736-1745	5.1	17
83	Synergistic catalysis of Pd nanoparticles with both Lewis and Bronsted acid sites encapsulated within a sulfonated metal-organic frameworks toward one-pot tandem reactions. <i>Journal of Colloid and Interface Science</i> , 2019 , 557, 207-215	9.3	16
82	Hydrogen Evolution Enhancement over a Cobalt-Based Schottky Interface. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 27641-27647	9.5	16
81	Click Reaction for Reversible Encapsulation of Single Yeast Cells. <i>ACS Nano</i> , 2019 , 13, 14459-14467	16.7	16
80	A bilayered nanoshell for durable protection of single yeast cells against multiple, simultaneous hostile stimuli. <i>Chemical Science</i> , 2018 , 9, 4730-4735	9.4	15
79	Hierarchically Dual-Mesoporous TiO ₂ Microspheres for Enhanced Photocatalytic Properties and Lithium Storage. <i>Chemistry - A European Journal</i> , 2018 , 24, 13246-13252	4.8	14
78	Graphitic Carbon Nitride Prepared by Rapid Recrystallization for Photoelectrochemical Anticorrosion. <i>ACS Applied Nano Materials</i> , 2019 , 2, 7559-7565	5.6	14
77	A comparative study of hierarchically micro-meso-macroporous solid-acid catalysts constructed by zeolites nanocrystals synthesized via a quasi-solid-state crystallization process. <i>Microporous and Mesoporous Materials</i> , 2013 , 182, 122-135	5.3	14
76	PtPd hollow nanocubes with enhanced alloy effect and active facets for efficient methanol oxidation reaction. <i>Chemical Communications</i> , 2021 , 57, 986-989	5.8	14
75	Self-assembly to monolayer graphene film with high electrical conductivity. <i>Journal of Energy Chemistry</i> , 2013 , 22, 52-57	12	13
74	Hydrothermal and surfactant treatment to enhance the photocatalytic activity of hierarchically meso-macroporous titanias. <i>Catalysis Today</i> , 2013 , 212, 89-97	5.3	13
73	Spatial acid-base-Pd triple-sites of a hierarchical core-shell structure for three-step tandem reaction. <i>Chemical Communications</i> , 2020 , 56, 6297-6300	5.8	12
72	High-Temperature Generalized Synthesis of Stable Ordered Mesoporous Silica-Based Materials by Using Fluorocarbon-Hydrocarbon Surfactant Mixtures. <i>Angewandte Chemie</i> , 2003 , 115, 3761-3765	3.6	12
71	Synthesis of hydrophobic and hydrophilic TiO ₂ nanofluids for transformable surface wettability and photoactive coating. <i>Chemical Communications</i> , 2019 , 55, 9275-9278	5.8	10
70	Tuning the structure of a hierarchically porous ZrO ₂ for dye molecule depollution. <i>Microporous and Mesoporous Materials</i> , 2012 , 152, 110-121	5.3	10
69	Shape-Controlled Surface-Coating to Pd@Mesoporous Silica Core-Shell Nanocatalysts with High Catalytic Activity and Stability. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 31-34	4.5	10

68	Hierarchically Fractal PtPdCu Sponges and their Directed Mass- and Electron-Transfer Effects. <i>Nano Letters</i> , 2021 , 21, 7870-7878	11.5	10
67	All-around coating of CoNi nanoalloy using a hierarchically porous carbon derived from bimetallic MOFs for highly efficient hydrolytic dehydrogenation of ammonia-borane. <i>New Journal of Chemistry</i> , 2020 , 44, 3021-3027	3.6	9
66	Control of the Interfacial Wettability to Synthesize Highly Dispersed PtPd Nanocrystals for Efficient Oxygen Reduction Reaction. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1119-1123	4.5	9
65	Highly biocompatible Co@Silica@meso-Silica magnetic nanocarriers. <i>Chemical Physics Letters</i> , 2019 , 717, 29-33	2.5	8
64	bFGF and Poly-RGD Cooperatively Establish Biointerface for Stem Cell Adhesion, Proliferation, and Differentiation. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1700702	4.6	8
63	Single-cell yolk-shell nanoencapsulation for long-term viability with size-dependent permeability and molecular recognition. <i>National Science Review</i> , 2021 , 8, nwa097	10.8	8
62	Integrated-Trifunctional Single Catalyst with Fine Spatial Distribution via Stepwise Anchored Strategy for Multistep Autotandem Catalysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 966-976	8.3	7
61	Ultralong PtPd Alloyed Nanowires Anchored on Graphene for Efficient Methanol Oxidation Reaction. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 1130-1137	4.5	7
60	Colonization of Intestinal Epithelial Layers in the Presence of Encapsulated for Its Protection against Gastrointestinal Fluids and Antibiotics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 15973-15982	9.5	7
59	3D Graphene-based macro-mesoporous frameworks as enzymatic electrodes. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 130, 1-5	3.9	7
58	sp ³ -like defect structure of hetero graphene-carbon nanotubes for promoting carrier transfer and stability. <i>Journal of Energy Chemistry</i> , 2021 , 57, 189-197	12	7
57	Construction of a functionalized hierarchical pore metal-organic framework via a palladium-reduction induced strategy. <i>Nanoscale</i> , 2020 , 12, 6250-6255	7.7	6
56	Graphene Oxide Coating Enhances Adsorption of Lead Ions on Mesoporous SiO ₂ Spheres. <i>Chemistry Letters</i> , 2018 , 47, 210-212	1.7	6
55	Hierarchy in Natural Materials 2011 , 29-39		6
54	High lithium ion battery performance enhancement by controlled carbon coating of TiO ₂ hierarchically porous hollow spheres. <i>RSC Advances</i> , 2016 , 6, 70485-70492	3.7	6
53	Template-free synthesis to micro-meso-macroporous hierarchy in nanostructured MIL-101(Cr) with enhanced catalytic activity. <i>Science China Materials</i> , 2021 , 64, 252-258	7.1	6
52	Silica coating with well-defined micro-nano hierarchy for universal and stable surface superhydrophobicity. <i>Chemical Physics Letters</i> , 2019 , 730, 594-599	2.5	5
51	Nickel nanoparticles supported on a covalent triazine framework as electrocatalyst for oxygen evolution reaction and oxygen reduction reactions. <i>Beilstein Journal of Nanotechnology</i> , 2020 , 11, 770-781	3.1	5

50	Controlled synthesis of mesoporous nanostructured anatase TiO ₂ on a genetically modified <i>Escherichia coli</i> surface for high reversible capacity and long-life lithium-ion batteries. <i>RSC Advances</i> , 2016 , 6, 59422-59428	3.7	5
49	Colloidal Crystal Templating Approaches to Materials with Hierarchical Porosity 2011 , 55-129		5
48	Hierarchically Porous Materials in Catalysis 2011 , 481-515		5
47	Synthesis of UiO-66 in Supercritical CO ₂ and Its Application in Dye Adsorption. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 771-780	3.9	5
46	Hierarchical TiO ₂ microsphere assembled from nanosheets with high photocatalytic activity and stability. <i>Chemical Physics Letters</i> , 2020 , 739, 136989	2.5	5
45	One-pot synthesis of hierarchical CdS/MoS ₂ /rGO with enhanced (photo)electrocatalytic activities. <i>Chemical Physics Letters</i> , 2020 , 759, 138047	2.5	5
44	Near-Linear Controllable Synthesis of Mesoporosity in Hierarchical UiO-66 by Template-Free Nucleation-Competition. <i>Advanced Functional Materials</i> , 2021 , 31, 2102868	15.6	5
43	Confinement Effects in Individual Carbon Encapsulated Nonprecious Metal-Based Electrocatalysts. <i>Advanced Functional Materials</i> , 2110851	15.6	5
42	Image analysis and in situ FTIR as complementary detection tools for photocatalytic soot oxidation. <i>Chemical Engineering Journal</i> , 2019 , 367, 269-277	14.7	4
41	Pd/Lewis Acid Synergy in Macroporous Pd@Na-ZSM-5 for Enhancing Selective Conversion of Biomass. <i>ChemCatChem</i> , 2020 , 12, 5364-5368	5.2	4
40	Insights into Hierarchically Structured Porous Materials: From Nanoscience to Catalysis, Separation, Optics, Energy, and Life Science 2011 , 1-27		4
39	Hierarchically Porous Materials by Phase Separation: Monoliths 2011 , 241-267		4
38	Photoinduced Terminal Fluorine and Ti 3+ in TiOF ₂ /TiO ₂ Heterostructure for Enhanced Charge Transfer. <i>CCS Chemistry</i> , 2020 , 2, 1573-1581	7.2	4
37	Highly Dispersed Pt Nanoparticles Embedded in N-Doped Porous Carbon for Efficient Hydrogen Evolution. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 1878-1881	4.5	4
36	Confined Thermolysis for Oriented N-Doped Carbon Supported Pd toward Stable Catalytic and Energy Storage Applications. <i>Small</i> , 2021 , 17, e2002811	11	4
35	A hierarchically multifunctional integrated catalyst with intimate and synergistic active sites for one-pot tandem catalysis. <i>Inorganic Chemistry Frontiers</i> , 2021 , 8, 3463-3472	6.8	4
34	Colloidal Photonic Crystals: Fabrication and Applications 2011 , 531-576		3
33	X-Ray Photoelectron Spectroscopy on Microbial Cell Surfaces: A Forgotten Method for the Characterization of Microorganisms Encapsulated With Surface-Engineered Shells. <i>Frontiers in Chemistry</i> , 2021 , 9, 666159	5	3

32	Ultimate Corrosion to Pt-Cu Electrocatalysts for Enhancing Methanol Oxidation Activity and Stability in Acidic Media. <i>Chemistry - A European Journal</i> , 2021 , 27, 9124-9128	4.8	3
31	Interfacial interactions between protective, surface-engineered shells and encapsulated bacteria with different cell surface composition. <i>Nanoscale</i> , 2021 , 13, 7220-7233	7.7	3
30	Titanium Vacancies in TiO Nanofibers Enable Highly Efficient Photodriven Seawater Splitting. <i>Chemistry - A European Journal</i> , 2021 , 27, 14202-14208	4.8	3
29	Hierarchically Structured Porous Materials: Application to Separation Sciences 2011 , 517-529		2
28	Hierarchically Structured Porous Materials for Energy Conversion and Storage 2011 , 577-600		2
27	Templating of Macroporous or Swollen Macrostructured Polymers 2011 , 131-172		2
26	Zeolites with Hierarchically Porous Structure: Mesoporous Zeolites 2011 , 435-455		2
25	Stacking for capturing-releasing Au clusters in meso-structured system. <i>Chemical Physics Letters</i> , 2018 , 712, 134-138	2.5	2
24	Multifunctional Pd/MOFs@MOFs Confined Core-Shell Catalysts with Wrinkled Surface for Selective Catalysis. <i>Chemistry - an Asian Journal</i> , 2021 , 16, 3743-3747	4.5	2
23	Global evolution of glycosylated polyene macrolide antibiotic biosynthesis. <i>Molecular Phylogenetics and Evolution</i> , 2018 , 127, 239-247	4.1	1
22	Hierarchically Structured Porous Coatings and Membranes 2011 , 335-361		1
21	Self-Formation Phenomenon to Hierarchically Structured Porous Materials 2011 , 363-405		1
20	Micro-Macroporous Structured Zeolite 2011 , 457-479		1
19	Hierarchically Structured Porous Materials Applications in Biochemistry: Bioceramics, Life Science, and Drug Delivery 2011 , 601-620		1
18	On the Optimal Mechanical Properties of Hierarchical Biomaterials 2011 , 621-631		1
17	Design and Size Control of Uniform Zeolite Nanocrystals Synthesized in Adjustable Confined Voids Formed by Recyclable Monodisperse Polymer Spheres. <i>Angewandte Chemie</i> , 2005 , 117, 2619-2624	3.6	1
16	Confined Pd clusters with dynamic structure for highly efficient Cascade-type catalysis. <i>Chemical Engineering Journal</i> , 2022 , 429, 132128	14.7	1
15	Activation of a passive, mesoporous silica nanoparticle layer through attachment of bacterially-derived carbon-quantum-dots for protection and functional enhancement of probiotics. <i>Materials Today Bio</i> , 2022 , 100293	9.9	1

14	Hierarchically structured Co ₃ O ₄ /SiO ₂ composites by Co nanocrystals transformation. <i>Chemical Physics Letters</i> , 2020 , 740, 137068	2.5	0
13	A Zeolite-confined Pd/Acid Sites for High Efficiency of B β Cleavage. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021 , 647, 1603-1606	1.3	0
12	Alginate@polydopamine@SiO microcapsules with controlled porosity for whole-cell based enantioselective biosynthesis of (S)-1-phenylethanol.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022 , 214, 112454	6	0
11	Porous Materials by Templating of Small Liquid Drops 2011 , 209-239		
10	Bioinspired Approach to Synthesizing Hierarchical Porous Materials 2011 , 173-207		
9	Feature Synthesis of Hierarchically Porous Materials Based on Green Easy-Leaching Concept 2011 , 269-300		
8	Hierarchically Structured Porous Materials by Dually Micellar Templating Approach 2011 , 41-53		
7	Integrative Chemistry Routes toward Advanced Functional Hierarchical Foams 2011 , 301-334		
6	Auto-Generated Hierarchical Meso/Macroporous Aluminosilicate Materials with High Tetrahedral Al Content from the Single-Molecular Alkoxy-Precursor (SMAP) Strategy 2011 , 407-433		
5	Inside Cover: Biofuel cells Based on the Immobilization of Photosynthetically Active Bioentities (ChemCatChem 3/2011). <i>ChemCatChem</i> , 2011 , 3, 422-422	5.2	
4	Nanoparticles: Well Shaped Mn ₃ O ₄ Nano-octahedra with Anomalous Magnetic Behavior and Enhanced Photodecomposition Properties (Small 4/2011). <i>Small</i> , 2011 , 7, 474-474	11	
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