

# Shang-Ru Zhai

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/7870924/shang-ru-zhai-publications-by-year.pdf>

**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

142 papers	3,241 citations	27 h-index	48 g-index
148 ext. papers	4,248 ext. citations	6.2 avg, IF	5.92 L-index

#	Paper	IF	Citations
142	Site-imprinted hollow composites with integrated functions for ultra-efficient capture of hexavalent chromium from water. <i>Separation and Purification Technology</i> , <b>2022</b> , 284, 120240	8.3	1
141	Enhanced properties of CoS <sub>2</sub> /Cu <sub>2</sub> S embedded N/S co-doped mesh-like carbonaceous composites for electromagnetic wave absorption. <i>Carbon</i> , <b>2022</b> , 186, 238-252	10.4	8
140	Valuable cobalt/biochar with enriched surface oxygen-containing groups prepared from bio-waste shrimp shell for efficient peroxymonosulfate activation. <i>Separation and Purification Technology</i> , <b>2022</b> , 281, 119901	8.3	5
139	Biochar/Mg-Al spinel carboxymethyl cellulose-La hydrogels with cationic polymeric layers for selective phosphate capture. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 606, 736-747	9.3	3
138	Bi-layered hollow amphoteric composites: Rational construction and ultra-efficient sorption performance for anionic Cr(VI) and cationic Cu(II) ions. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 607, 556-567	9.3	4
137	Dual-wastes derived biochar with tailored surface features for highly efficient p-nitrophenol adsorption. <i>Journal of Cleaner Production</i> , <b>2022</b> , 353, 131571	10.3	1
136	Synergistic assembly of micro-islands by lignin and dopamine for superhydrophobic surface: Preparative chemistry and oil/water separation performance. <i>Journal of Environmental Chemical Engineering</i> , <b>2022</b> , 10, 107777	6.8	0
135	Construction of nickel ferrite nanoparticle-loaded on carboxymethyl cellulose-derived porous carbon for efficient pseudocapacitive energy storage.. <i>Journal of Colloid and Interface Science</i> , <b>2022</b> , 622, 327-335	9.3	2
134	Synergistic preparation of modified alginate aerogel with melamine/chitosan for efficiently selective adsorption of lead ions. <i>Carbohydrate Polymers</i> , <b>2021</b> , 256, 117564	10.3	22
133	Promotional effect of embedded Ni NPs in alginate-based carbon toward Pd NPs efficiency for high-concentration p-nitrophenol reduction. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 173, 160-167	7.9	6
132	Sandwich-like N-C/Cu/N-C porous beads derived from alginate with enhanced catalytic activity and excellent recyclability for 4-nitrophenol reduction. <i>Industrial Crops and Products</i> , <b>2021</b> , 164, 113413	5.9	2
131	Characterization of lignin streams during ionic liquid/hydrochloric acid/formaldehyde pretreatment of corn stalk. <i>Bioresource Technology</i> , <b>2021</b> , 331, 125064	11	3
130	Three-dimensional hierarchical porous carbon derived from lignin for supercapacitors: Insight into the hydrothermal carbonization and activation. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 166, 923-933	7.9	9
129	Multistage reclamation of Co-containing alginate hydrogels as excellent reduction catalyst and subsequent microwave absorber by facile transformation. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 166, 1513-1525	7.9	4
128	Synthesis of nickel sulfide-supported on porous carbon from a natural seaweed-derived polysaccharide for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 853, 157123	5.7	15
127	Defect-rich N-doped porous carbon derived from alginate by HNO <sub>3</sub> etching combined with a hard template method for high-performance supercapacitors. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 260, 124121	4.4	9
126	Versatile bimetal sulfides nanoparticles-embedded N-doped hierarchical carbonaceous aerogels (N-NixSy/CoxSy@C) for excellent supercapacitors and microwave absorption. <i>Carbon</i> , <b>2021</b> , 179, 111-124	10.4	16

125	1-Ethyl-3-methylimidazolium acetate ionic liquid as simple and efficient catalytic system for the oxidative depolymerization of alkali lignin. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 183, 285-294	7.9	6
124	Three-dimensional Co <sup>II</sup> /SBA-15/alginate hydrogels with excellent recovery and recyclability for activating peroxymonosulfate to degrade ciprofloxacin. <i>Microporous and Mesoporous Materials</i> , <b>2021</b> , 323, 111259	5.3	1
123	A versatile N-doped honeycomb-like carbonaceous aerogels loaded with bimetallic sulfide and oxide for superior electromagnetic wave absorption and supercapacitor applications. <i>Carbon</i> , <b>2021</b> , 181, 335-347	10.4	9
122	ZIF-67/CMC-derived 3D N-doped hierarchical porous carbon with in-situ encapsulated bimetallic sulfide and Ni NPs for synergistic microwave absorption. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2021</b> , 149, 106584	8.4	4
121	Facile transformation of carboxymethyl cellulose beads into hollow composites for dye adsorption. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 190, 919-926	7.9	2
120	Three-dimensional hierarchical porous lignin-derived carbon/WO <sub>3</sub> for high-performance solid-state planar micro-supercapacitor. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 190, 11-18	7.9	6
119	Magnetic aminated lignin/CeO <sub>2</sub> /FeO composites with tailored interfacial chemistry and affinity for selective phosphate removal. <i>Science of the Total Environment</i> , <b>2021</b> , 796, 148984	10.2	10
118	High-performance asymmetric supercapacitor based on Ni <sub>3</sub> S <sub>2</sub> nanoparticles immobilized on carbon nanosheets from sodium alginate. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 885, 161194	5.7	2
117	Modifying alginate beads using polycarboxyl component for enhanced metal ions removal. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 158, 493-501	7.9	10
116	Network interior and surface engineering of alginate-based beads using sorption affinity component for enhanced phosphate capture. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 162, 301-309	7.9	10
115	Facile fabrication of CuS/Carbon composites using lignosulfonate for efficient palladium recovery under strong acidic conditions. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 391, 122253	12.8	8
114	Alginate-Derived Porous Carbon Obtained by Nano-ZnO Hard Template-Induced ZnCl <sub>2</sub> -Activation Method for Enhanced Electrochemical Performance. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 040505	3.9	15
113	Construction of SnMo bimetallic oxide nanoparticle-encapsulated P-doped 3D hierarchical porous carbon through an in-situ reduction and competitive cross-linking strategy for efficient pseudocapacitive energy storage. <i>Electrochimica Acta</i> , <b>2020</b> , 343, 136106	6.7	8
112	Porous NiCoP@PANI hybrid as efficient positive electrodes for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 835, 155157	5.7	14
111	Interfacial integration of zirconium components with amino-modified lignin for selective and efficient phosphate capture. <i>Chemical Engineering Journal</i> , <b>2020</b> , 398, 125561	14.7	24
110	Construction of core-shell PPy@MoS <sub>2</sub> with nanotube-like heterostructures for electromagnetic wave absorption: Assembly and enhanced mechanism. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2020</b> , 136, 105965	8.4	50
109	Hierarchical multi-porous carbonaceous beads prepared with nano-CaCO <sub>3</sub> in-situ encapsulated hydrogels for efficient batch and column removal of antibiotics from water. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 293, 109830	5.3	13
108	Mussel chemistry inspired synthesis of Pd/SBA-15 for the efficient reduction of 4-nitrophenol. <i>Journal of Physics and Chemistry of Solids</i> , <b>2020</b> , 138, 109250	3.9	2

107	Alginate modified graphitic carbon nitride composite hydrogels for efficient removal of Pb(II), Ni(II) and Cu(II) from water. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 148, 1298-1306	7.9	23
106	Hierarchical nitrogen/cobalt co-doped carbonaceous materials with electromagnetic waves absorption promoting nanostructures. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 822, 153666	5.7	8
105	Upon designing carboxyl methylcellulose and chitosan-derived nanostructured sorbents for efficient removal of Cd(II) and Cr(VI) from water. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 143, 640-650	7.9	19
104	Efficiently selective adsorption of Pb(II) with functionalized alginate-based adsorbent in batch/column systems: Mechanism and application simulation. <i>Journal of Cleaner Production</i> , <b>2020</b> , 250, 119585	10.3	36
103	Function integrated chitosan-based beads with throughout sorption sites and inherent diffusion network for efficient phosphate removal. <i>Carbohydrate Polymers</i> , <b>2020</b> , 230, 115639	10.3	27
102	Rational construction of Co NPs embedded N-doped carbon layer/ZrSBA-15 composites with hierarchical succulent-like nanostructures for enhanced microwave absorption. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 294, 109880	5.3	7
101	Combined liquid hot water with sodium carbonate-oxygen pretreatment to improve enzymatic saccharification of reed. <i>Bioresource Technology</i> , <b>2020</b> , 297, 122498	11	23
100	Carboxymethyl cellulose-based cryogels for efficient heavy metal capture: Aluminum-mediated assembly process and sorption mechanism. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 3275-3286	7.9	17
99	N/P-codoped 3D carbonaceous framework loaded Mo-based particles as versatile electromagnetic wave absorber. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 812, 152167	5.7	8
98	Thermodynamic analysis and molecular dynamic simulation of the solubility of saccharin in three binary solvent mixtures. <i>Journal of Chemical Thermodynamics</i> , <b>2020</b> , 141, 105952	2.9	5
97	Designing ordered composites with confined Co <sub>3</sub> N <sub>4</sub> /C layers for efficient pollutant degradation: Structure-dependent performance and PMS activation mechanism. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 293, 109810	5.3	16
96	Highly efficient and stable catalysis of p-nitrophenol via silver/lignin/polyacrylic acid hydrogel. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 144, 947-953	7.9	13
95	Transforming goat manure into surface-loaded cobalt/biochar as PMS activator for highly efficient ciprofloxacin degradation. <i>Chemical Engineering Journal</i> , <b>2020</b> , 395, 125063	14.7	74
94	Hierarchical carbonaceous composites with dispersed Co species prepared using the inherent nanostructural platform of biomass for enhanced microwave absorption. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 302, 110210	5.3	24
93	Dopamine-derived cavities/FeO nanoparticles-encapsulated carbonaceous composites with self-generated three-dimensional network structure as an excellent microwave absorber.. <i>RSC Advances</i> , <b>2019</b> , 9, 766-780	3.7	17
92	High-efficacy adsorption of Cr(VI) and anionic dyes onto Eyclodextrin/chitosan/hexamethylenetetramine aerogel beads with task-specific, integrated components. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 128, 268-278	7.9	35
91	Determination and correlation of solubility and solution thermodynamics of saccharin in different pure solvents. <i>Journal of Chemical Thermodynamics</i> , <b>2019</b> , 133, 70-78	2.9	21
90	Designed construction of Ti3C2Tx@PPY composites with enhanced microwave absorption performance. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 802, 445-457	5.7	27

89	Versatile core/shell-like alginate@polyethylenimine composites for efficient removal of multiple heavy metal ions (Pb <sup>2+</sup> , Cu <sup>2+</sup> , CrO <sub>4</sub> <sup>2-</sup> ): Batch and fixed-bed studies. <i>Materials Research Bulletin</i> , <b>2019</b> , 118, 110526	5.1	21
88	Fractionation of alkali lignin by organic solvents for biodegradable microsphere through self-assembly. <i>Bioresource Technology</i> , <b>2019</b> , 289, 121640	11	25
87	Performance enhanced electromagnetic wave absorber from controllable modification of natural plant fiber.. <i>RSC Advances</i> , <b>2019</b> , 9, 16690-16700	3.7	15
86	Enhanced catalytic activity of nanosilver with lignin/polyacrylamide hydrogel for reducing p-nitrophenol. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 134, 202-209	7.9	12
85	Inherent N-Doped Honeycomb-like Carbon/Fe <sub>3</sub> O <sub>4</sub> Composites with Versatility for Efficient Microwave Absorption and Wastewater Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 9237-9248	8.3	55
84	A high-temperature phosphorization for synthesis of core-shell Ni-NixPy@C nanocomposite-immobilized sponge-like P-doped porous carbon with excellent supercapacitance performance. <i>Electrochimica Acta</i> , <b>2019</b> , 309, 197-208	6.7	23
83	Combining mussel and seaweed hydrogel-inspired strategies to design novel ion-imprinted sorbents for ultra-efficient lead removal from water. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 5495-5502	3.6	9
82	Interior engineering of seaweed-derived N-doped versatile carbonaceous beads with Co O for universal organic pollutant degradation.. <i>RSC Advances</i> , <b>2019</b> , 9, 5009-5024	3.7	7
81	Circular utilization of Co(II) adsorbed composites for efficient organic pollutants degradation by transforming into Co/N-doped carbonaceous catalyst. <i>Journal of Cleaner Production</i> , <b>2019</b> , 236, 117630	10.3	14
80	Facile fabrication of SBA-15/polypyrrole composites with long-rod shape for enhanced electromagnetic wave absorption. <i>Microporous and Mesoporous Materials</i> , <b>2019</b> , 288, 109584	5.3	11
79	Construction of strawberry-like Ni <sub>3</sub> S <sub>2</sub> @Co <sub>9</sub> S <sub>8</sub> heteronanoparticle-embedded biomass-derived 3D N-doped hierarchical porous carbon for ultrahigh energy density supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 17345-17356	13	53
78	Selective capture of lanthanum and lead cations over biomass-derived ion-imprinted biomacromolecule adsorbents. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 291, 111290	6	3
77	Hydrogen Bond Promoted Lignin Solubilization and Electrospinning in Low Cost Protic Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 18593-18602	8.3	18
76	Constructing Stacked Structure of S-Doped Carbon Layer-Encapsulated MoO <sub>2</sub> NPs with Dominated Dielectric Loss for Microwave Absorption. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 19546-19555	8.3	20
75	Tailor-made core/shell/shell-like Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> @PPy composites with prominent microwave absorption performance. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 779, 831-843	5.7	46
74	Pd NPs supported on N-doped carbon layer coated ZrSBA-15 for efficient heterogeneous catalysis reactions. <i>Microporous and Mesoporous Materials</i> , <b>2018</b> , 266, 64-74	5.3	7
73	Biomass-based carbon beads with a tailored hierarchical structure and surface chemistry for efficient batch and column uptake of methylene blue. <i>Research on Chemical Intermediates</i> , <b>2018</b> , 44, 2867-2887	7.8	74
72	Ultrahigh selective and efficient removal of anionic dyes by recyclable polyethylenimine-modified cellulose aerogels in batch and fixed-bed systems. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2018</b> , 555, 150-160	5.1	27

71	Seaweed-derived multifunctional nitrogen/cobalt-codoped carbonaceous beads for relatively high-efficient peroxymonosulfate activation for organic pollutants degradation. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 746-759	14.7	50
70	Alginate and polyethyleneimine dually mediated synthesis of nanosilver-containing composites for efficient p-nitrophenol reduction. <i>Carbohydrate Polymers</i> , <b>2018</b> , 181, 744-751	10.3	29
69	Hydrogels with diffusion-facilitated porous network for improved adsorption performance. <i>Korean Journal of Chemical Engineering</i> , <b>2018</b> , 35, 2384-2393	2.8	12
68	Controllable N-Doped Carbonaceous Composites with Highly Dispersed Ni Nanoparticles for Excellent Microwave Absorption. <i>ACS Applied Nano Materials</i> , <b>2018</b> , 1, 5895-5906	5.6	29
67	Hard template-induced internal solidification synthesis of Cu NPs- supported glutaraldehyde-crosslinked polyethyleneimine-modified calcium alginate beads with enhanced catalytic activity. <i>Applied Catalysis A: General</i> , <b>2018</b> , 568, 105-113	5.1	14
66	Removal of methylene blue over low-cost mesoporous silica nanoparticles prepared with naturally occurring diatomite. <i>Journal of Sol-Gel Science and Technology</i> , <b>2018</b> , 88, 541-550	2.3	11
65	Efficient removal of Pb(II), Cr(VI) and organic dyes by polydopamine modified chitosan aerogels. <i>Carbohydrate Polymers</i> , <b>2018</b> , 202, 306-314	10.3	121
64	One-step preparation of Fe <sub>3</sub> O <sub>4</sub> /N-GN/CNTs heterojunctions as a peroxymonosulfate activator for relatively highly-efficient methylene blue degradation. <i>Chinese Journal of Catalysis</i> , <b>2018</b> , 39, 1842-1853	11.3	17
63	Significant promotion of porous architecture and magnetic FeO NPs inside honeycomb-like carbonaceous composites for enhanced microwave absorption.. <i>RSC Advances</i> , <b>2018</b> , 8, 19011-19023	3.7	34
62	Recyclable Cu(I)/ZrSBA-15 prepared via a mild vapor-reduction method for efficient thiophene removal from modeled oil. <i>RSC Advances</i> , <b>2017</b> , 7, 6605-6614	3.7	4
61	Rational Design of Superior Microwave Shielding Composites Employing Synergy of Encapsulating Character of Alginate Hydrogels and Task-Specific Components (Ni NPs, Fe <sub>3</sub> O <sub>4</sub> /CNTs). <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 5394-5407	8.3	61
60	Hydrophilic, hollow Fe <sub>3</sub> O <sub>4</sub> @PDA spheres with a storage cavity for efficient removal of polycyclic structured tetracycline. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 1235-1244	3.6	19
59	Flexible core-shell/bead-like alginate@PEI with exceptional adsorption capacity, recycling performance toward batch and column sorption of Cr(VI). <i>Chemical Engineering Journal</i> , <b>2017</b> , 313, 475-486	14.7	185
58	Highly recyclable Ag NPs/alginate composite beads prepared via one-pot encapsulation method for efficient continuous reduction of p-nitrophenol. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 13327-13335	3.6	22
57	Monolithic Cu/C hybrid beads with well-developed porosity for the reduction of 4-nitrophenol to 4-aminophenol. <i>New Journal of Chemistry</i> , <b>2017</b> , 41, 13230-13234	3.6	17
56	Facile solvothermal synthesis of novel hetero-structured CoNi <sub>2</sub> TiO <sub>4</sub> composites with excellent microwave absorption performance. <i>RSC Advances</i> , <b>2017</b> , 7, 43689-43699	3.7	19
55	Solvothermal synthesis of three-dimensional, Fe <sub>2</sub> O <sub>3</sub> NPs-embedded CNT/N-doped graphene composites with excellent microwave absorption performance. <i>RSC Advances</i> , <b>2017</b> , 7, 45156-45169	3.7	54
54	PDA-mediated green synthesis of amino-modified, multifunctional magnetic hollow composites for Cr(VI) efficient removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2017</b> , 80, 596-606	5.3	21

53	Interior multi-cavity/surface engineering of alginate hydrogels with polyethylenimine for highly efficient chromium removal in batch and continuous aqueous systems. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 17073-17087	13	101
52	Deposition of N-doped carbon layers inside acidic ZrSBA-15: significant enhancement of catalytic performance of Pd NPs toward benzyl alcohol aerobic oxidation. <i>Journal of Sol-Gel Science and Technology</i> , <b>2017</b> , 84, 180-191	2.3	3
51	Preparation of PEI/CS aerogel beads with a high density of reactive sites for efficient Cr(VI) sorption: batch and column studies. <i>RSC Advances</i> , <b>2017</b> , 7, 40227-40236	3.7	25
50	Polyethylenimine-functionalized cellulose aerogel beads for efficient dynamic removal of chromium(VI) from aqueous solution. <i>RSC Advances</i> , <b>2017</b> , 7, 54039-54052	3.7	58
49	Adsorption equilibrium, kinetics and mechanism of Pb(II) over carbon/silica composite biosorbent with designed surface oxygen groups. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 869-891	2.8	6
48	Facile synthesis of carbon nanoparticles/graphene composites derived from biomass resources and their application in lithium ion batteries. <i>RSC Advances</i> , <b>2016</b> , 6, 79366-79371	3.7	5
47	Hydrogenated Bismuth Molybdate Nanoframe for Efficient Sunlight-Driven Nitrogen Fixation from Air. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 18722-18728	4.8	73
46	Efficient batch and column removal of Cr(VI) by carbon beads with developed nano-network. <i>RSC Advances</i> , <b>2016</b> , 6, 104897-104910	3.7	26
45	Multifunctional hierarchical cabbage-like nZVI-Fe <sub>3</sub> O <sub>4</sub> /C composites for efficient chromium (VI) removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2016</b> , 65, 312-322	5.3	8
44	Synthesis of lightweight, hierarchical cabbage-like composites as superior electromagnetic wave absorbent. <i>Chemical Engineering Journal</i> , <b>2016</b> , 289, 261-269	14.7	35
43	Carbon/silica composite bio-sorbents with a high density of oxygen-containing sites for efficient methylene blue adsorption. <i>Research on Chemical Intermediates</i> , <b>2016</b> , 42, 839-854	2.8	7
42	Monolithic magnetic carbonaceous beads for efficient Cr(VI) removal from water. <i>New Journal of Chemistry</i> , <b>2016</b> , 40, 1195-1204	3.6	29
41	Controllable self-assembly of a novel Bi <sub>2</sub> MoO <sub>6</sub> -based hybrid photocatalyst: excellent photocatalytic activity under UV, visible and near-infrared irradiation. <i>Chemical Communications</i> , <b>2016</b> , 52, 6525-8	5.8	57
40	Preparation of ECD and Fe <sub>3</sub> O <sub>4</sub> integrated multifunctional bioadsorbent for highly efficient dye removal from water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2016</b> , 62, 209-218	5.3	18
39	Removal of Cr(VI) from aqueous solution by rice husk derived magnetic sorbents. <i>Korean Journal of Chemical Engineering</i> , <b>2016</b> , 33, 1416-1424	2.8	16
38	PVP-assisted synthesis of raspberry-like composite particles. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 78, 228-238	2.3	2
37	Amino-modified mesoporous sorbents for efficient Cd(II) adsorption prepared using non-chemical diatomite as precursor. <i>Journal of Sol-Gel Science and Technology</i> , <b>2016</b> , 78, 110-119	2.3	16
36	Enhanced metal-support interactions between Pd NPs and ZrSBA-15 for efficient aerobic benzyl alcohol oxidation. <i>RSC Advances</i> , <b>2016</b> , 6, 70424-70432	3.7	13

35	Towards understanding the photocatalytic activity enhancement of ordered mesoporous Bi <sub>2</sub> MoO <sub>6</sub> crystals prepared via a novel vacuum-assisted nanocasting method. <i>RSC Advances</i> , <b>2016</b> , 6, 35709-35718	3.7	19
34	Controllable electrostatic self-assembly of sub-3 nm graphene quantum dots incorporated into mesoporous Bi <sub>2</sub> MoO <sub>6</sub> frameworks: efficient physical and chemical simultaneous co-catalysis for photocatalytic oxidation. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 8298-8307	13	66
33	Multifunctional hollow polydopamine-based composites (Fe <sub>3</sub> O <sub>4</sub> /PDA@Ag) for efficient degradation of organic dyes. <i>RSC Advances</i> , <b>2016</b> , 6, 47761-47770	3.7	19
32	High-performance electromagnetic wave absorbing composites prepared by one-step transformation of Fe <sup>3+</sup> mediated egg-box structure of seaweed. <i>RSC Advances</i> , <b>2016</b> , 6, 98128-98140	3.7	24
31	Designing recyclable Cu/ZrSBA-15 for efficient thiophene removal. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 217, 21-29	5.3	25
30	Oxygen-containing/amino groups bifunctionalized SBA-15 toward efficient removal of methylene blue: kinetics, isotherm and mechanism analysis. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 76, 320-331	2.3	10
29	Sodium alginate-based magnetic carbonaceous biosorbents for highly efficient Cr(VI) removal from water. <i>RSC Advances</i> , <b>2015</b> , 5, 77932-77941	3.7	22
28	Versatile hierarchical Cu/Fe <sub>3</sub> O <sub>4</sub> nanocatalysts for efficient degradation of organic dyes prepared by a facile, controllable hydrothermal method. <i>RSC Advances</i> , <b>2015</b> , 5, 74575-74584	3.7	24
27	Green synthesis of magnetic core-shell Fe <sub>3</sub> O <sub>4</sub> @SBA-15 towards efficient reduction of 4-nitrophenol. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 73, 299-305	2.3	8
26	Removal of cadmium(II) from aqueous solutions by chemically modified maize straw. <i>Carbohydrate Polymers</i> , <b>2015</b> , 115, 177-85	10.3	72
25	One-Step Green Synthesis of Multifunctional Fe <sub>3</sub> O <sub>4</sub> /Cu Nanocomposites toward Efficient Reduction of Organic Dyes. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 1692-1699	2.3	23
24	Interplay between zirconium addition and morphology/catalytic performance of HPW/PEHA/SBA-15 composites towards selective oxidation of benzyl alcohol. <i>Journal of Porous Materials</i> , <b>2015</b> , 22, 997-1008	2.4	7
23	PMHS-reduced fabrication of hollow Ag@SiO <sub>2</sub> composite spheres with developed porosity. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 75, 82-89	2.3	7
22	In situ reduction and stabilization of Ag NPs onto magnetic composites for rapid hydrogenation catalysis. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 75, 680-692	2.3	5
21	Separation of Cd(II) and Ni(II) in a binary mixture through competitive adsorption and acid leaching. <i>RSC Advances</i> , <b>2015</b> , 5, 92885-92892	3.7	5
20	One-step fabrication of highly stable, superhydrophobic composites from controllable and low-cost PMHS/TEOS sols for efficient oil cleanup. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 446, 155-62	9.3	45
19	Correlation between pore-expanding and dye adsorption of platelet C/SBA-15 prepared by carbonization and oxidation of P123-TMB/SBA-15 composites. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 70, 451-463	2.3	6
18	Study of structures and properties of ZnO-Sb <sub>2</sub> O <sub>3</sub> -P <sub>2</sub> O <sub>5</sub> -Na <sub>2</sub> O glasses. <i>Materials Science-Poland</i> , <b>2014</b> , 32, 414-418	0.6	5

17	Synergistic effect of Zr-incorporated framework and subsequent deposition of PEHA towards efficient and reusable HPW/PEHA/ZrSBA-15 composites. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 71, 354-363	2.3	2
16	In situ preparation of uniform Ag NPs onto multifunctional Fe <sub>3</sub> O <sub>4</sub> @SN/HPW@CG towards efficient reduction of 4-nitrophenol. <i>New Journal of Chemistry</i> , <b>2014</b> , 38, 3999-4006	3.6	26
15	Fabrication of highly-stable Ag/CA@GTA hydrogel beads and their catalytic application. <i>RSC Advances</i> , <b>2014</b> , 4, 60460-60466	3.7	17
14	Preparation of superhydrophobic materials for oil/water separation and oil absorption using PMHS/TEOS-derived xerogel and polystyrene. <i>Journal of Sol-Gel Science and Technology</i> , <b>2014</b> , 72, 385-393	3.3	20
13	Synthesis and Characterization of Tungstophosphoric Acid/Pentaethylenehexamine/ZrSBA-15 and Its Use in the Selective Oxidation of Benzyl Alcohol under Solvent-Free Conditions. <i>European Journal of Inorganic Chemistry</i> , <b>2014</b> , 2014, 2337-2344	2.3	14
12	Ag+/MPTMS/PMHS-mediated two-step acid-base synthesis of hybrid materials with embedded nanosilver. <i>Journal of Sol-Gel Science and Technology</i> , <b>2013</b> , 66, 264-273	2.3	3
11	Magnetic and Stable H <sub>3</sub> PW <sub>12</sub> O <sub>40</sub> -Based Core@shell Nanomaterial towards the Esterification of Oleic Acid with Methanol. <i>European Journal of Inorganic Chemistry</i> , <b>2013</b> , 2013, 5428-5435	2.3	10
10	Pb(II) removal of Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> /NH <sub>2</sub> core-shell nanomaterials prepared via a controllable sol-gel process. <i>Chemical Engineering Journal</i> , <b>2013</b> , 215-216, 461-471	14.7	201
9	Dye adsorption of mesoporous activated carbons produced from NaOH-pretreated rice husks. <i>Bioresource Technology</i> , <b>2013</b> , 136, 437-43	11	159
8	Fabrication of polymeric and silica ceramic porous microstructures by perfluoropolyether based soft lithography. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 2750	7.1	6
7	Facile sol-gel synthesis of thiol-functionalized materials from TEOS-MPTMS-PMHS system. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 61, 23-33	2.3	11
6	Crucial factors affecting the physicochemical properties of sol-gel produced Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> /NH <sub>2</sub> core-shell nanomaterials. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 64, 347-357	2.3	40
5	Heavy metal removal of tri-amino-functionalized sol-gel hybrids with tailored characteristics. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 62, 177-185	2.3	12
4	Sol-gel synthesis of nanosilver embedded hybrid materials using combined organosilica precursors. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 62, 281-286	2.3	10
3	Facile Assembly of Dispersed ZrMCM-41 Nanoparticles Promoted in-situ by Zirconium Salt. <i>Journal of the Chinese Chemical Society</i> , <b>2011</b> , 58, 181-185	1.5	2
2	Effect of preparation conditions on structural properties of PMHS-TEOS hybrid materials. <i>Journal of Sol-Gel Science and Technology</i> , <b>2011</b> , 59, 480-487	2.3	18
1	Catalytic degradation of organic pollutants for water remediation over Ag nanoparticles immobilized on amine-functionalized metal-organic frameworks. <i>Nano Research</i> ,	10	3