

# Shang-Ru Zhai

## List of Publications by Citations

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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.

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	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
141	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
140	Dye adsorption of mesoporous activated carbons produced from NaOH-pretreated rice husks. <i>Bioresource Technology</i> , <b>2013</b> , 136, 437-43	11	159
139	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
138	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
137	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
136	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
135	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
134	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
133	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
132	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
131	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
130	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
129	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
128	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
127	Seaweed-derived multifunctional nitrogen/cobalt-codoped carbonaceous beads for relatively high-efficient peroxydisulfate activation for organic pollutants degradation. <i>Chemical Engineering Journal</i> , <b>2018</b> , 353, 746-759	14.7	50
126	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

125	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
124	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
123	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
122	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
121	High-efficacy adsorption of Cr(VI) and anionic dyes onto Cyclodextrin/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
120	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
119	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
118	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
117	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
116	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
115	Designed construction of Ti <sub>3</sub> C <sub>2</sub> Tx@PPY composites with enhanced microwave absorption performance. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 802, 445-457	5.7	27
114	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
113	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
112	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
111	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
110	Fractionation of alkali lignin by organic solvents for biodegradable microsphere through self-assembly. <i>Bioresource Technology</i> , <b>2019</b> , 289, 121640	11	25
109	Designing recyclable Cu/ZrSBA-15 for efficient thiophene removal. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 217, 21-29	5.3	25
108	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

107	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
106	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
105	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
104	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
103	A high-temperature phosphorization for synthesis of core-shell Ni-Ni <sub>3</sub> Py@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
102	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
101	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
100	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
99	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
98	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
97	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
96	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
95	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
94	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
93	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
92	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, 19546-19553	8.3	20
91	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
90	Facile solvothermal synthesis of novel hetero-structured CoNi <sub>2</sub> O <sub>4</sub> composites with excellent microwave absorption performance. <i>RSC Advances</i> , <b>2017</b> , 7, 43689-43699	3.7	19

89	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
88	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
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	One-step preparation of Fe <sub>x</sub> O <sub>y</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
78	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
77	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
76	Designing ordered composites with confined Co <sub>3</sub> O <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
75	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
74	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
73	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
72	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

71	Porous NiCoP@PAA hybrid as efficient positive electrodes for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 835, 155157	5.7	14
70	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
69	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
68	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
67	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
66	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
65	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
64	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
63	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
62	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
61	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
60	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
59	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
58	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
57	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
56	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
55	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
54	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

53	Magnetic aminated lignin/CeO/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
52	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
51	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
50	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
49	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
48	Green synthesis of magnetic core-shell Fe <sub>3</sub> O <sub>4</sub> @SNAg towards efficient reduction of 4-nitrophenol. <i>Journal of Sol-Gel Science and Technology</i> , <b>2015</b> , 73, 299-305	2.3	8
47	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
46	Construction of Sn/Mo 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
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	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
43	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
42	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
41	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
40	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
39	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
38	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
37	PMHS-reduced fabrication of hollow Ag/BiO <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
36	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

35	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
34	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
33	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
32	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
31	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
30	Three-dimensional hierarchical porous lignin-derived carbon/WO for high-performance solid-state planar micro-supercapacitor. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 190, 11-18	7.9	6
29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	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	4
21	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
20	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
19	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
18	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

17	Ag <sup>+</sup> /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
16	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
15	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
14	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
13	Catalytic degradation of organic pollutants for water remediation over Ag nanoparticles immobilized on amine-functionalized metal-organic frameworks. <i>Nano Research</i> ,	10	3
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	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
4	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
3	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
2	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
1	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