Shang-Ru Zhai

List of Publications by Year
in descending order

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148	5,453	81900	110387
papers	citations	39 h-index	64 g-index

148	148	148	5251
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biochar/Mg-Al spinel carboxymethyl cellulose-La hydrogels with cationic polymeric layers for selective phosphate capture. Journal of Colloid and Interface Science, 2022, 606, 736-747.	9.4	32
2	Bi-layered hollow amphoteric composites: Rational construction and ultra-efficient sorption performance for anionic Cr(VI) and cationic Cu(II) ions. Journal of Colloid and Interface Science, 2022, 607, 556-567.	9.4	22
3	Enhanced properties of CoS2/Cu2S embedded N/S co-doped mesh-like carbonaceous composites for electromagnetic wave absorption. Carbon, 2022, 186, 238-252.	10.3	69
4	Valuable cobalt/biochar with enriched surface oxygen-containing groups prepared from bio-waste shrimp shell for efficient peroxymonosulfate activation. Separation and Purification Technology, 2022, 281, 119901.	7.9	23
5	Site-imprinted hollow composites with integrated functions for ultra-efficient capture of hexavalent chromium from water. Separation and Purification Technology, 2022, 284, 120240.	7.9	13
6	Ligninâ€First Depolymerization of Lignocellulose into Monophenols over Carbon Nanotubeâ€Supported Ruthenium: Impact of Lignin Sources. ChemSusChem, 2022, 15, .	6.8	23
7	Dual-wastes derived biochar with tailored surface features for highly efficient p-nitrophenol adsorption. Journal of Cleaner Production, 2022, 353, 131571.	9.3	24
8	Synergistic assembly of micro-islands by lignin and dopamine for superhydrophobic surface: Preparative chemistry and oil/water separation performance. Journal of Environmental Chemical Engineering, 2022, 10, 107777.	6.7	14
9	Construction of nickel ferrite nanoparticle-loaded on carboxymethyl cellulose-derived porous carbon for efficient pseudocapacitive energy storage. Journal of Colloid and Interface Science, 2022, 622, 327-335.	9.4	16
10	Nickelâ€“cobalt bimetallic tungstate decorated 3D hierarchical porous carbon derived from lignin for high-performance supercapacitor applications. Journal of Materials Chemistry A, 2022, 10, 12679-12691.	10.3	34
11	Catalytic degradation of organic pollutants for water remediation over Ag nanoparticles immobilized on amine-functionalized metal-organic frameworks. Nano Research, 2022, 15, 7887-7895.	10.4	21
12	Multifunctional Fe₃O₄/TiO₂/NH₂â€“UiOâ€“66 with integrated interfacial features for favorable phosphate adsorption. New Journal of Chemistry, 2022, 46, 14091-14102.	2.8	5
13	Recyclable CMC/PVA/MIL-101 aerogels with tailored network and affinity sites for efficient heavy metal ions capture. Chemical Engineering Journal, 2022, 447, 137483.	12.7	30
14	Rationally designed carboxymethylcellulose-based sorbents crosslinked by targeted ions for static and dynamic capture of heavy metals: Easy recovery and affinity mechanism. Journal of Colloid and Interface Science, 2022, 625, 651-663.	9.4	7
15	Template-assisted synthesis of porous carbon derived from biomass for enhanced supercapacitor performance. Diamond and Related Materials, 2022, 128, 109219.	3.9	13
16	Three-dimensional hierarchical porous carbon derived from lignin for supercapacitors: Insight into the hydrothermal carbonization and activation. International Journal of Biological Macromolecules, 2021, 166, 923-933.	7.5	54
17	Multistage reclamation of Co2+-containing alginate hydrogels as excellent reduction catalyst and subsequent microwave absorber by facile transformation. International Journal of Biological Macromolecules, 2021, 166, 1513-1525.	7.5	10
18	Synthesis of nickel sulfide-supported on porous carbon from a natural seaweed-derived polysaccharide for high-performance supercapacitors. Journal of Alloys and Compounds, 2021, 853, 157123.	5.5	36

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19	Defect-rich N-doped porous carbon derived from alginate by HNO3 etching combined with a hard template method for high-performance supercapacitors. Materials Chemistry and Physics, 2021, 260, 124121.	4.0	18
20	Synergistic preparation of modified alginate aerogel with melamine/chitosan for efficiently selective adsorption of lead ions. Carbohydrate Polymers, 2021, 256, 117564.	10.2	86
21	Promotional effect of embedded Ni NPs in alginate-based carbon toward Pd NPs efficiency for high-concentration p-nitrophenol reduction. International Journal of Biological Macromolecules, 2021, 173, 160-167.	7.5	13
22	Sandwich-like N-C/Cu/N-C porous beads derived from alginate with enhanced catalytic activity and excellent recyclability for 4-nitrophenol reduction. Industrial Crops and Products, 2021, 164, 113413.	5.2	10
23	Characterization of lignin streams during ionic liquid/hydrochloric acid/formaldehyde pretreatment of corn stalk. Bioresource Technology, 2021, 331, 125064.	9.6	13
24	Versatile bimetal sulfides nanoparticles-embedded N-doped hierarchical carbonaceous aerogels (N-NixSy/CoxSy@C) for excellent supercapacitors and microwave absorption. Carbon, 2021, 179, 111-124.	10.3	47
25	1-Ethyl-3-methylimidazolium acetate ionic liquid as simple and efficient catalytic system for the oxidative depolymerization of alkali lignin. International Journal of Biological Macromolecules, 2021, 183, 285-294.	7.5	18
26	Three-dimensional Coâ€“N/SBA-15/alginate hydrogels with excellent recovery and recyclability for activating peroxymonosulfate to degrade ciprofloxacin. Microporous and Mesoporous Materials, 2021, 323, 111259.	4.4	9
27	A versatile N-doped honeycomb-like carbonaceous aerogels loaded with bimetallic sulfide and oxide for superior electromagnetic wave absorption and supercapacitor applications. Carbon, 2021, 181, 335-347.	10.3	43
28	ZIF-67/CMC-derived 3D N-doped hierarchical porous carbon with in-situ encapsulated bimetallic sulfide and Ni NPs for synergistic microwave absorption. Composites Part A: Applied Science and Manufacturing, 2021, 149, 106584.	7.6	32
29	Facile transformation of carboxymethyl cellulose beads into hollow composites for dye adsorption. International Journal of Biological Macromolecules, 2021, 190, 919-926.	7.5	22
30	Three-dimensional hierarchical porous lignin-derived carbon/WO3 for high-performance solid-state planar micro-supercapacitor. International Journal of Biological Macromolecules, 2021, 190, 11-18.	7.5	37
31	Magnetic aminated lignin/CeO2/Fe3O4 composites with tailored interfacial chemistry and affinity for selective phosphate removal. Science of the Total Environment, 2021, 796, 148984.	8.0	35
32	High-performance asymmetric supercapacitor based on Ni3S2 nanoparticles immobilized on carbon nanosheets from sodium alginate. Journal of Alloys and Compounds, 2021, 885, 161194.	5.5	12
33	N/P-codoped 3D carbonaceous framework loaded Mo-based particles as versatile electromagnetic wave absorber. Journal of Alloys and Compounds, 2020, 812, 152167.	5.5	16
34	Thermodynamic analysis and molecular dynamic simulation of the solubility of saccharin in three binary solvent mixtures. Journal of Chemical Thermodynamics, 2020, 141, 105952.	2.0	7
35	Designing ordered composites with confined Coâ€“N/C layers for efficient pollutant degradation: Structure-dependent performance and PMS activation mechanism. Microporous and Mesoporous Materials, 2020, 293, 109810.	4.4	32
36	Highly efficient and stable catalysis of p-nitrophenol via silver/lignin/polyacrylic acid hydrogel. International Journal of Biological Macromolecules, 2020, 144, 947-953.	7.5	25

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37	Hierarchical multi-porous carbonaceous beads prepared with nano-CaCO3 in-situ encapsulated hydrogels for efficient batch and column removal of antibiotics from water. Microporous and Mesoporous Materials, 2020, 293, 109830.	4.4	21
38	Mussel chemistry inspired synthesis of Pd/SBA-15 for the efficient reduction of 4-nitrophenol. Journal of Physics and Chemistry of Solids, 2020, 138, 109250.	4.0	4
39	Alginate modified graphitic carbon nitride composite hydrogels for efficient removal of Pb(II), Ni(II) and Cu(II) from water. International Journal of Biological Macromolecules, 2020, 148, 1298-1306.	7.5	53
40	Hierarchical nitrogen/cobalt co-doped carbonaceous materials with electromagnetic waves absorption promoting nanostructures. Journal of Alloys and Compounds, 2020, 822, 153666.	5.5	15
41	Upon designing carboxyl methylcellulose and chitosan-derived nanostructured sorbents for efficient removal of Cd(II) and Cr(VI) from water. International Journal of Biological Macromolecules, 2020, 143, 640-650.	7.5	56
42	Efficiently selective adsorption of Pb(II) with functionalized alginate-based adsorbent in batch/column systems: Mechanism and application simulation. Journal of Cleaner Production, 2020, 250, 119585.	9.3	78
43	Function integrated chitosan-based beads with throughout sorption sites and inherent diffusion network for efficient phosphate removal. Carbohydrate Polymers, 2020, 230, 115639.	10.2	65
44	Rational construction of Co NPs embedded N-doped carbon layer/ZrSBA-15 composites with hierarchical succulent-like nanostructures for enhanced microwave absorption. Microporous and Mesoporous Materials, 2020, 294, 109880.	4.4	11
45	Combined liquid hot water with sodium carbonate-oxygen pretreatment to improve enzymatic saccharification of reed. Bioresource Technology, 2020, 297, 122498.	9.6	38
46	Carboxymethyl cellulose-based cryogels for efficient heavy metal capture: Aluminum-mediated assembly process and sorption mechanism. International Journal of Biological Macromolecules, 2020, 164, 3275-3286.	7.5	34
47	Modifying alginate beads using polycarboxyl component for enhanced metal ions removal. International Journal of Biological Macromolecules, 2020, 158, 493-501.	7.5	31
48	Network interior and surface engineering of alginate-based beads using sorption affinity component for enhanced phosphate capture. International Journal of Biological Macromolecules, 2020, 162, 301-309.	7.5	31
49	Facile fabrication of CuxSy/Carbon composites using lignosulfonate for efficient palladium recovery under strong acidic conditions. Journal of Hazardous Materials, 2020, 391, 122253.	12.4	15
50	Alginate-Derived Porous Carbon Obtained by Nano-ZnO Hard Template-Induced ZnCl₂-Activation Method for Enhanced Electrochemical Performance. Journal of the Electrochemical Society, 2020, 167, 040505.	2.9	20
51	Construction of Snâ€“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. Electrochimica Acta, 2020, 343, 136106.	5.2	14
52	Porous NiCoP@Pâ€“C hybrid as efficient positive electrodes for high-performance supercapacitors. Journal of Alloys and Compounds, 2020, 835, 155157.	5.5	30
53	Transforming goat manure into surface-loaded cobalt/biochar as PMS activator for highly efficient ciprofloxacin degradation. Chemical Engineering Journal, 2020, 395, 125063.	12.7	212
54	Hierarchical carbonaceous composites with dispersed Co species prepared using the inherent nanostructural platform of biomass for enhanced microwave absorption. Microporous and Mesoporous Materials, 2020, 302, 110210.	4.4	52

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55	Interfacial integration of zirconium components with amino-modified lignin for selective and efficient phosphate capture. Chemical Engineering Journal, 2020, 398, 125561.	12.7	62
56	Construction of core-shell PPy@MoS2 with nanotube-like heterostructures for electromagnetic wave absorption: Assembly and enhanced mechanism. Composites Part A: Applied Science and Manufacturing, 2020, 136, 105965.	7.6	105
57	Circular utilization of Co(II) adsorbed composites for efficient organic pollutants degradation by transforming into Co/N-doped carbonaceous catalyst. Journal of Cleaner Production, 2019, 236, 117630.	9.3	28
58	Facile fabrication of SBA-15/polypyrrole composites with long-rod shape for enhanced electromagnetic wave absorption. Microporous and Mesoporous Materials, 2019, 288, 109584.	4.4	16
59	Construction of strawberry-like Ni₃S₂@Co₉S₈ heteronanoparticle-embedded biomass-derived 3D N-doped hierarchical porous carbon for ultrahigh energy density supercapacitors. Journal of Materials Chemistry A, 2019, 7, 17345-17356.	10.3	96
60	Selective capture of lanthanum and lead cations over biomass-derived ion-imprinted biomacromolecule adsorbents. Journal of Molecular Liquids, 2019, 291, 111290.	4.9	8
61	Hydrogen Bond Promoted Lignin Solubilization and Electrospinning in Low Cost Protic Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 18593-18602.	6.7	24
62	Dopamine-derived cavities/Fe₃O₄ nanoparticles-encapsulated carbonaceous composites with self-generated three-dimensional network structure as an excellent microwave absorber. RSC Advances, 2019, 9, 766-780.	3.6	31
63	High-efficacy adsorption of Cr(VI) and anionic dyes onto Î²-cyclodextrin/chitosan/hexamethylenetetramine aerogel beads with task-specific, integrated components. International Journal of Biological Macromolecules, 2019, 128, 268-278.	7.5	55
64	Determination and correlation of solubility and solution thermodynamics of saccharin in different pure solvents. Journal of Chemical Thermodynamics, 2019, 133, 70-78.	2.0	25
65	Designed construction of Ti3C2Tx@PPY composites with enhanced microwave absorption performance. Journal of Alloys and Compounds, 2019, 802, 445-457.	5.5	61
66	Versatile core/shell-like alginate@polyethylenimine composites for efficient removal of multiple heavy metal ions (Pb2+, Cu2+, CrO42-): Batch and fixed-bed studies. Materials Research Bulletin, 2019, 118, 110526.	5.2	31
67	Fractionation of alkali lignin by organic solvents for biodegradable microsphere through self-assembly. Bioresource Technology, 2019, 289, 121640.	9.6	46
68	Performance enhanced electromagnetic wave absorber from controllable modification of natural plant fiber. RSC Advances, 2019, 9, 16690-16700.	3.6	26
69	Enhanced catalytic activity of nanosilver with lignin/polyacrylamide hydrogel for reducing p-nitrophenol. International Journal of Biological Macromolecules, 2019, 134, 202-209.	7.5	22
70	Inherent N-Doped Honeycomb-like Carbon/Fe₃O₄ Composites with Versatility for Efficient Microwave Absorption and Wastewater Treatment. ACS Sustainable Chemistry and Engineering, 2019, 7, 9237-9248.	6.7	79
71	A high-temperature phosphorization for synthesis of core-shell Ni-NixPy@C nanocomposite-immobilized sponge-like P-doped porous carbon with excellent supercapacitance performance. Electrochimica Acta, 2019, 309, 197-208.	5.2	35
72	Combining mussel and seaweed hydrogel-inspired strategies to design novel ion-imprinted sorbents for ultra-efficient lead removal from water. New Journal of Chemistry, 2019, 43, 5495-5502.	2.8	14

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73	Interior engineering of seaweed-derived N-doped versatile carbonaceous beads with Co_xO_y for universal organic pollutant degradation. RSC Advances, 2019, 9, 5009-5024.	3.6	14
74	Constructing Stacked Structure of S-Doped Carbon Layer-Encapsulated MoO₂ NPs with Dominated Dielectric Loss for Microwave Absorption. ACS Sustainable Chemistry and Engineering, 2019, 7, 19546-19555.	6.7	40
75	Tailor-made core/shell/shell-like Fe3O4@SiO2@PPy composites with prominent microwave absorption performance. Journal of Alloys and Compounds, 2019, 779, 831-843.	5.5	75
76	Pd NPs supported on N-doped carbon layer coated ZrSBA-15 for efficient heterogeneous catalysis reactions. Microporous and Mesoporous Materials, 2018, 266, 64-74.	4.4	12
77	Biomass-based carbon beads with a tailored hierarchical structure and surface chemistry for efficient batch and column uptake of methylene blue. Research on Chemical Intermediates, 2018, 44, 2867-2887.	2.7	9
78	Alginate and polyethyleneimine dually mediated synthesis of nanosilver-containing composites for efficient p-nitrophenol reduction. Carbohydrate Polymers, 2018, 181, 744-751.	10.2	43
79	Hydrogels with diffusion-facilitated porous network for improved adsorption performance. Korean Journal of Chemical Engineering, 2018, 35, 2384-2393.	2.7	14
80	Controllable N-Doped Carbonaceous Composites with Highly Dispersed Ni Nanoparticles for Excellent Microwave Absorption. ACS Applied Nano Materials, 2018, 1, 5895-5906.	5.0	42
81	Hard template-induced internal solidification synthesis of Cu NPs- supported glutaraldehyde-crosslinked polyethyleneimine-modified calcium alginate beads with enhanced catalytic activity. Applied Catalysis A: General, 2018, 568, 105-113.	4.3	22
82	Removal of methylene blue over low-cost mesoporous silica nanoparticles prepared with naturally occurring diatomite. Journal of Sol-Gel Science and Technology, 2018, 88, 541-550.	2.4	20
83	Efficient removal of Pb(II), Cr(VI) and organic dyes by polydopamine modified chitosan aerogels. Carbohydrate Polymers, 2018, 202, 306-314.	10.2	185
84	One-step preparation of Fe O /N-GN/CNTs heterojunctions as a peroxymonosulfate activator for relatively highly-efficient methylene blue degradation. Chinese Journal of Catalysis, 2018, 39, 1842-1853.	14.0	22
85	Significant promotion of porous architecture and magnetic Fe₃O₄ NPs inside honeycomb-like carbonaceous composites for enhanced microwave absorption. RSC Advances, 2018, 8, 19011-19023.	3.6	52
86	Ultrahigh selective and efficient removal of anionic dyes by recyclable polyethylenimine-modified cellulose aerogels in batch and fixed-bed systems. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 555, 150-160.	4.7	49
87	Seaweed-derived multifunctional nitrogen/cobalt-codoped carbonaceous beads for relatively high-efficient peroxymonosulfate activation for organic pollutants degradation. Chemical Engineering Journal, 2018, 353, 746-759.	12.7	60
88	Recyclable Cu(i)/ZrSBA-15 prepared via a mild vapor-reduction method for efficient thiophene removal from modeled oil. RSC Advances, 2017, 7, 6605-6614.	3.6	4
89	Rational Design of Superior Microwave Shielding Composites Employing Synergy of Encapsulating Character of Alginate Hydrogels and Task-Specific Components (Ni NPs,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 6.50 97 Td (Fe<sub>	6.5	97
90	Hydrophilic, hollow Fe₃O₄@PDA spheres with a storage cavity for efficient removal of polycyclic structured tetracycline. New Journal of Chemistry, 2017, 41, 1235-1244.	2.8	21

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91	Flexible core-shell/bead-like alginate@PEI with exceptional adsorption capacity, recycling performance toward batch and column sorption of Cr(VI). Chemical Engineering Journal, 2017, 313, 475-486.	12.7	279
92	Highly recyclable Ag NPs/alginate composite beads prepared via one-pot encapsulation method for efficient continuous reduction of p-nitrophenol. New Journal of Chemistry, 2017, 41, 13327-13335.	2.8	27
93	Monolithic Cu/C hybrid beads with well-developed porosity for the reduction of 4-nitrophenol to 4-aminophenol. New Journal of Chemistry, 2017, 41, 13230-13234.	2.8	23
94	Facile solvothermal synthesis of novel hetero-structured CoNiâ€“CuO composites with excellent microwave absorption performance. RSC Advances, 2017, 7, 43689-43699.	3.6	22
95	Solvothermal synthesis of three-dimensional, Fe₂O₃NPs-embedded CNT/N-doped graphene composites with excellent microwave absorption performance. RSC Advances, 2017, 7, 45156-45169.	3.6	70
96	PDA-meditated green synthesis of amino-modified, multifunctional magnetic hollow composites for Cr(VI) efficient removal. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 596-606.	5.3	30
97	Interior multi-cavity/surface engineering of alginate hydrogels with polyethylenimine for highly efficient chromium removal in batch and continuous aqueous systems. Journal of Materials Chemistry A, 2017, 5, 17073-17087.	10.3	149
98	Deposition of N-doped carbon layers inside acidic ZrSBA-15: significant enhancement of catalytic performance of Pd NPs toward benzyl alcohol aerobic oxidation. Journal of Sol-Gel Science and Technology, 2017, 84, 180-191.	2.4	3
99	Preparation of PEI/CS aerogel beads with a high density of reactive sites for efficient Cr(<scp>vi</scp>) sorption: batch and column studies. RSC Advances, 2017, 7, 40227-40236.	3.6	40
100	Polyethylenimine-functionalized cellulose aerogel beads for efficient dynamic removal of chromium(<scp>vi</scp>) from aqueous solution. RSC Advances, 2017, 7, 54039-54052.	3.6	91
101	Enhanced metalâ€“support interactions between Pd NPs and ZrSBA-15 for efficient aerobic benzyl alcohol oxidation. RSC Advances, 2016, 6, 70424-70432.	3.6	14
102	Towards understanding the photocatalytic activity enhancement of ordered mesoporous Bi₂MoO₆ crystals prepared via a novel vacuum-assisted nanocasting method. RSC Advances, 2016, 6, 35709-35718.	3.6	21
103	Controllable electrostatic self-assembly of sub-3 nm graphene quantum dots incorporated into mesoporous Bi₂MoO₆ frameworks: efficient physical and chemical simultaneous co-catalysis for photocatalytic oxidation. Journal of Materials Chemistry A, 2016, 4, 8298-8307.	10.3	71
104	Multifunctional hollow polydopamine-based composites (Fe₃O₄/PDA@Ag) for efficient degradation of organic dyes. RSC Advances, 2016, 6, 47761-47770.	3.6	20
105	High-performance electromagnetic wave absorbing composites prepared by one-step transformation of Fe³⁺mediated egg-box structure of seaweed. RSC Advances, 2016, 6, 98128-98140.	3.6	30
106	Facile synthesis of carbon nanoparticles/graphene composites derived from biomass resources and their application in lithium ion batteries. RSC Advances, 2016, 6, 79366-79371.	3.6	9
107	Hydrogenated Bismuth Molybdate Nanoframe for Efficient Sunlightâ€Driven Nitrogen Fixation from Air. Chemistry - A European Journal, 2016, 22, 18722-18728.	3.3	92
108	Efficient batch and column removal of Cr(<scp>vi</scp>) by carbon beads with developed nano-network. RSC Advances, 2016, 6, 104897-104910.	3.6	29

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109	Multifunctional hierarchical cabbage-like nZVI-Fe 3 O 4 /C composites for efficient chromium (VI) removal. Journal of the Taiwan Institute of Chemical Engineers, 2016, 65, 312-322.	5.3	10
110	Synthesis of lightweight, hierarchical cabbage-like composites as superior electromagnetic wave absorbent. Chemical Engineering Journal, 2016, 289, 261-269.	12.7	43
111	Carbonâ€“silica composite bio-sorbents with a high density of oxygen-containing sites for efficient methylene blue adsorption. Research on Chemical Intermediates, 2016, 42, 839-854.	2.7	8
112	Monolithic magnetic carbonaceous beads for efficient Cr(<scp>vi</scp>) removal from water. New Journal of Chemistry, 2016, 40, 1195-1204.	2.8	36
113	Controllable self-assembly of a novel Bi₂MoO₆-based hybrid photocatalyst: excellent photocatalytic activity under UV, visible and near-infrared irradiation. Chemical Communications, 2016, 52, 6525-6528.	4.1	62
114	Preparation of Î²-CD and Fe3O4 integrated multifunctional bioadsorbent for highly efficient dye removal from water. Journal of the Taiwan Institute of Chemical Engineers, 2016, 62, 209-218.	5.3	20
115	Removal of Cr(VI) from aqueous solution by rice husk derived magnetic sorbents. Korean Journal of Chemical Engineering, 2016, 33, 1416-1424.	2.7	24
116	PVP-assisted synthesis of raspberry-like composite particles. Journal of Sol-Gel Science and Technology, 2016, 78, 228-238.	2.4	2
117	Amino-modified mesoporous sorbents for efficient Cd(II) adsorption prepared using non-chemical diatomite as precursor. Journal of Sol-Gel Science and Technology, 2016, 78, 110-119.	2.4	20
118	Adsorption equilibrium, kinetics and mechanism of Pb(II) over carbonâ€“silica composite biosorbent with designed surface oxygen groups. Research on Chemical Intermediates, 2016, 42, 869-891.	2.7	7
119	One-Step Green Synthesis of Multifunctional Fe3O4/Cu Nanocomposites toward Efficient Reduction of Organic Dyes. European Journal of Inorganic Chemistry, 2015, 2015, 1692-1699.	2.0	25
120	Interplay between zirconium addition and morphology/catalytic performance of HPW/PEHA/SBA-15 composites towards selective oxidation of benzyl alcohol. Journal of Porous Materials, 2015, 22, 997-1008.	2.6	8
121	PMHS-reduced fabrication of hollow Agâ€“SiO2 composite spheres with developed porosity. Journal of Sol-Gel Science and Technology, 2015, 75, 82-89.	2.4	13
122	In situ reduction and stabilization of Ag NPs onto magnetic composites for rapid hydrogenation catalysis. Journal of Sol-Gel Science and Technology, 2015, 75, 680-692.	2.4	6
123	Separation of Cd(<scp>ii</scp>) and Ni(<scp>ii</scp>) in a binary mixture through competitive adsorption and acid leaching. RSC Advances, 2015, 5, 92885-92892.	3.6	8
124	One-step fabrication of highly stable, superhydrophobic composites from controllable and low-cost PMHS/TEOS sols for efficient oil cleanup. Journal of Colloid and Interface Science, 2015, 446, 155-162.	9.4	49
125	Designing recyclable Cu/ZrSBA-15 for efficient thiophene removal. Microporous and Mesoporous Materials, 2015, 217, 21-29.	4.4	28
126	Oxygen-containing/amino groups bifunctionalized SBA-15 toward efficient removal of methylene blue: kinetics, isotherm and mechanism analysis. Journal of Sol-Gel Science and Technology, 2015, 76, 320-331.	2.4	11

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127	Sodium alginate-based magnetic carbonaceous biosorbents for highly efficient Cr(<scp>vi</scp>) removal from water. RSC Advances, 2015, 5, 77932-77941.	3.6	29
128	Versatile hierarchical Cu/Fe₃O₄ nanocatalysts for efficient degradation of organic dyes prepared by a facile, controllable hydrothermal method. RSC Advances, 2015, 5, 74575-74584.	3.6	32
129	â€œGreenâ€•synthesis of magnetic coreâ€“shell Fe3O4@SNâ€“Ag towards efficient reduction of 4-nitrophenol. Journal of Sol-Gel Science and Technology, 2015, 73, 299-305.	2.4	8
130	Removal of cadmium(II) from aqueous solutions by chemically modified maize straw. Carbohydrate Polymers, 2015, 115, 177-185.	10.2	92
131	Fabrication of highly-stable Ag/CA@GTA hydrogel beads and their catalytic application. RSC Advances, 2014, 4, 60460-60466.	3.6	19
132	Preparation of superhydrophobic materials for oil/water separation and oil absorption using PMHSâ€“TEOS-derived xerogel and polystyrene. Journal of Sol-Gel Science and Technology, 2014, 72, 385-393.	2.4	23
133	Synthesis and Characterization of Tungstophosphoric Acid/Pentaethylenehexamine/ZrSBAâ€15 and Its Use in the Selective Oxidation of Benzyl Alcohol under Solventâ€Free Conditions. European Journal of Inorganic Chemistry, 2014, 2014, 2337-2344.	2.0	16
134	Correlation between pore-expanding and dye adsorption of platelet C/SBA-15 prepared by carbonization and oxidation of P123-TMB/SBA-15 composites. Journal of Sol-Gel Science and Technology, 2014, 70, 451-463.	2.4	7
135	Study of structures and properties of ZnO-Sb2O3-P2O5-Na2O glasses. Materials Science-Poland, 2014, 32, 414-418.	1.0	6
136	Synergistic effect of Zr-incorporated framework and subsequent deposition of PEHA towards efficient and reusable HPW/PEHA/ZrSBA-15 composites. Journal of Sol-Gel Science and Technology, 2014, 71, 354-363.	2.4	2
137	In situ preparation of uniform Ag NPs onto multifunctional Fe₃O₄@SN/HPW@CG towards efficient reduction of 4-nitrophenol. New Journal of Chemistry, 2014, 38, 3999-4006.	2.8	30
138	Ag+/MPTMS/PMHS-mediated two-step acidâ€“base synthesis of hybrid materials with embedded nanosilver. Journal of Sol-Gel Science and Technology, 2013, 66, 264-273.	2.4	3
139	Magnetic and Stable H₃PW₁₂O₄₀â€Based Core@shell Nanomaterial towards the Esterification of Oleic Acid with Methanol. European Journal of Inorganic Chemistry, 2013, 2013, 5428-5435.	2.0	12
140	Pb(II) removal of Fe3O4@SiO2â€“NH2 coreâ€“shell nanomaterials prepared via a controllable solâ€“gel process. Chemical Engineering Journal, 2013, 215-216, 461-471.	12.7	240
141	Dye adsorption of mesoporous activated carbons produced from NaOH-pretreated rice husks. Bioresource Technology, 2013, 136, 437-443.	9.6	191
142	Fabrication of polymeric and silica ceramic porous microstructures by perfluoropolyether based soft lithography. Journal of Materials Chemistry C, 2013, 1, 2750.	5.5	7
143	Crucial factors affecting the physicochemical properties of solâ€“gel produced Fe3O4@SiO2â€“NH2 coreâ€“shell nanomaterials. Journal of Sol-Gel Science and Technology, 2012, 64, 347-357.	2.4	45
144	Heavy metal removal of tri-amino-functionalized solâ€“gel hybrids with tailored characteristics. Journal of Sol-Gel Science and Technology, 2012, 62, 177-185.	2.4	15

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145	Solâ€“gel synthesis of nanosilver embedded hybrid materials using combined organosilica precursors. Journal of Sol-Gel Science and Technology, 2012, 62, 281-286.	2.4	13
146	Facile solâ€“gel synthesis of thiol-functionalized materials from TEOS-MPTMS-PMHS system. Journal of Sol-Gel Science and Technology, 2012, 61, 23-33.	2.4	13
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