

Shang-Ru Zhai

List of Publications by Year in descending order

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148
papers

5,453
citations

81900

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all docs

148
docs citations

148
times ranked

5251
citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 2017, 313, 475-486.	12.7	279
2	Pb(II) removal of Fe ₃ O ₄ @SiO ₂ -NH ₂ core-shell nanomaterials prepared via a controllable sol-gel process. <i>Chemical Engineering Journal</i> , 2013, 215-216, 461-471.	12.7	240
3	Transforming goat manure into surface-loaded cobalt/biochar as PMS activator for highly efficient ciprofloxacin degradation. <i>Chemical Engineering Journal</i> , 2020, 395, 125063.	12.7	212
4	Dye adsorption of mesoporous activated carbons produced from NaOH-pretreated rice husks. <i>Bioresource Technology</i> , 2013, 136, 437-443.	9.6	191
5	Efficient removal of Pb(II), Cr(VI) and organic dyes by polydopamine modified chitosan aerogels. <i>Carbohydrate Polymers</i> , 2018, 202, 306-314.	10.2	185
6	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> , 2017, 5, 17073-17087.	10.3	149
7	Construction of core-shell PPy@MoS ₂ with nanotube-like heterostructures for electromagnetic wave absorption: Assembly and enhanced mechanism. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 136, 105965.	7.6	105
8	Construction of strawberry-like Ni ₃ S ₂ @Co ₉ S ₈ heteronanoparticle-embedded biomass-derived 3D N-doped hierarchical porous carbon for ultrahigh energy density supercapacitors. <i>Journal of Materials Chemistry A</i> , 2019, 7, 17345-17356.	10.3	96
9	Removal of cadmium(II) from aqueous solutions by chemically modified maize straw. <i>Carbohydrate Polymers</i> , 2015, 115, 177-185.	10.2	92
10	Hydrogenated Bismuth Molybdate Nanoframe for Efficient Sunlight-Driven Nitrogen Fixation from Air. <i>Chemistry - A European Journal</i> , 2016, 22, 18722-18728.	3.3	92
11	Polyethylenimine-functionalized cellulose aerogel beads for efficient dynamic removal of chromium(VI) from aqueous solution. <i>RSC Advances</i> , 2017, 7, 54039-54052.	3.6	91
12	Synergistic preparation of modified alginate aerogel with melamine/chitosan for efficiently selective adsorption of lead ions. <i>Carbohydrate Polymers</i> , 2021, 256, 117564.	10.2	86
13	Inherent N-Doped Honeycomb-like Carbon/Fe ₃ O ₄ Composites with Versatility for Efficient Microwave Absorption and Wastewater Treatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9237-9248.	6.7	79
14	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> , 2020, 250, 119585.	9.3	78
15	Rational Design of Superior Microwave Shielding Composites Employing Synergy of Encapsulating Character of Alginate Hydrogels and Task-Specific Components (Ni NPs). <i>TJ ETQq1 1 0.784314 rgBT /Overlock 10 T6.50 177 T6 (Fe<sub>3</sub>O<sub>4</sub>@PPy)</i>	5.5	75
16	Tailor-made core/shell/shell-like Fe ₃ O ₄ @SiO ₂ @PPy composites with prominent microwave absorption performance. <i>Journal of Alloys and Compounds</i> , 2019, 779, 831-843.	5.5	75
17	Controllable electrostatic self-assembly of sub-3 nm graphene quantum dots incorporated into mesoporous Bi ₂ MoO ₆ frameworks: efficient physical and chemical simultaneous co-catalysis for photocatalytic oxidation. <i>Journal of Materials Chemistry A</i> , 2016, 4, 8298-8307.	10.3	71
18	Solvothermal synthesis of three-dimensional, Fe ₂ O ₃ NPs-embedded CNT/N-doped graphene composites with excellent microwave absorption performance. <i>RSC Advances</i> , 2017, 7, 45156-45169.	3.6	70

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19	Enhanced properties of CoS ₂ /Cu ₂ S embedded N/S co-doped mesh-like carbonaceous composites for electromagnetic wave absorption. <i>Carbon</i> , 2022, 186, 238-252.	10.3	69
20	Function integrated chitosan-based beads with throughout sorption sites and inherent diffusion network for efficient phosphate removal. <i>Carbohydrate Polymers</i> , 2020, 230, 115639.	10.2	65
21	Controllable self-assembly of a novel Bi ₂ MoO ₆ -based hybrid photocatalyst: excellent photocatalytic activity under UV, visible and near-infrared irradiation. <i>Chemical Communications</i> , 2016, 52, 6525-6528.	4.1	62
22	Interfacial integration of zirconium components with amino-modified lignin for selective and efficient phosphate capture. <i>Chemical Engineering Journal</i> , 2020, 398, 125561.	12.7	62
23	Designed construction of Ti ₃ C ₂ Tx@PPY composites with enhanced microwave absorption performance. <i>Journal of Alloys and Compounds</i> , 2019, 802, 445-457.	5.5	61
24	Seaweed-derived multifunctional nitrogen/cobalt-codoped carbonaceous beads for relatively high-efficient peroxydisulfate activation for organic pollutants degradation. <i>Chemical Engineering Journal</i> , 2018, 353, 746-759.	12.7	60
25	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> , 2020, 143, 640-650.	7.5	56
26	High-efficacy adsorption of Cr(VI) and anionic dyes onto β -cyclodextrin/chitosan/hexamethylenetetramine aerogel beads with task-specific, integrated components. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 268-278.	7.5	55
27	Three-dimensional hierarchical porous carbon derived from lignin for supercapacitors: Insight into the hydrothermal carbonization and activation. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 923-933.	7.5	54
28	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> , 2020, 148, 1298-1306.	7.5	53
29	Significant promotion of porous architecture and magnetic Fe ₃ O ₄ NPs inside honeycomb-like carbonaceous composites for enhanced microwave absorption. <i>RSC Advances</i> , 2018, 8, 19011-19023.	3.6	52
30	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> , 2020, 302, 110210.	4.4	52
31	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> , 2015, 446, 155-162.	9.4	49
32	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> , 2018, 555, 150-160.	4.7	49
33	Versatile bimetal sulfides nanoparticles-embedded N-doped hierarchical carbonaceous aerogels (N-NixSy/CoxSy@C) for excellent supercapacitors and microwave absorption. <i>Carbon</i> , 2021, 179, 111-124.	10.3	47
34	Fractionation of alkali lignin by organic solvents for biodegradable microsphere through self-assembly. <i>Bioresource Technology</i> , 2019, 289, 121640.	9.6	46
35	Crucial factors affecting the physicochemical properties of sol-gel produced Fe ₃ O ₄ @SiO ₂ -NH ₂ core-shell nanomaterials. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 64, 347-357.	2.4	45
36	Synthesis of lightweight, hierarchical cabbage-like composites as superior electromagnetic wave absorbent. <i>Chemical Engineering Journal</i> , 2016, 289, 261-269.	12.7	43

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37	Alginate and polyethyleneimine dually mediated synthesis of nanosilver-containing composites for efficient p-nitrophenol reduction. <i>Carbohydrate Polymers</i> , 2018, 181, 744-751.	10.2	43
38	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> , 2021, 181, 335-347.	10.3	43
39	Controllable N-Doped Carbonaceous Composites with Highly Dispersed Ni Nanoparticles for Excellent Microwave Absorption. <i>ACS Applied Nano Materials</i> , 2018, 1, 5895-5906.	5.0	42
40	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> , 2017, 7, 40227-40236.	3.6	40
41	Constructing Stacked Structure of S-Doped Carbon Layer-Encapsulated MoO ₂ NPs with Dominated Dielectric Loss for Microwave Absorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 19546-19555.	6.7	40
42	Combined liquid hot water with sodium carbonate-oxygen pretreatment to improve enzymatic saccharification of reed. <i>Bioresource Technology</i> , 2020, 297, 122498.	9.6	38
43	Three-dimensional hierarchical porous lignin-derived carbon/WO ₃ for high-performance solid-state planar micro-supercapacitor. <i>International Journal of Biological Macromolecules</i> , 2021, 190, 11-18.	7.5	37
44	Monolithic magnetic carbonaceous beads for efficient Cr(VI) removal from water. <i>New Journal of Chemistry</i> , 2016, 40, 1195-1204.	2.8	36
45	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> , 2021, 853, 157123.	5.5	36
46	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> , 2019, 309, 197-208.	5.2	35
47	Magnetic aminated lignin/CeO ₂ /Fe ₃ O ₄ composites with tailored interfacial chemistry and affinity for selective phosphate removal. <i>Science of the Total Environment</i> , 2021, 796, 148984.	8.0	35
48	Carboxymethyl cellulose-based cryogels for efficient heavy metal capture: Aluminum-mediated assembly process and sorption mechanism. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 3275-3286.	7.5	34
49	Nickel-cobalt bimetallic tungstate decorated 3D hierarchical porous carbon derived from lignin for high-performance supercapacitor applications. <i>Journal of Materials Chemistry A</i> , 2022, 10, 12679-12691.	10.3	34
50	Versatile hierarchical Cu/Fe ₃ O ₄ nanocatalysts for efficient degradation of organic dyes prepared by a facile, controllable hydrothermal method. <i>RSC Advances</i> , 2015, 5, 74575-74584.	3.6	32
51	Designing ordered composites with confined Co-N/C layers for efficient pollutant degradation: Structure-dependent performance and PMS activation mechanism. <i>Microporous and Mesoporous Materials</i> , 2020, 293, 109810.	4.4	32
52	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> , 2021, 149, 106584.	7.6	32
53	Biochar/Mg-Al spinel carboxymethyl cellulose-La hydrogels with cationic polymeric layers for selective phosphate capture. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 736-747.	9.4	32
54	Dopamine-derived cavities/Fe ₃ O ₄ nanoparticles-encapsulated carbonaceous composites with self-generated three-dimensional network structure as an excellent microwave absorber. <i>RSC Advances</i> , 2019, 9, 766-780.	3.6	31

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55	Versatile core/shell-like alginate@polyethylenimine composites for efficient removal of multiple heavy metal ions (Pb ²⁺ , Cu ²⁺ , CrO ₄ ²⁻): Batch and fixed-bed studies. <i>Materials Research Bulletin</i> , 2019, 118, 110526.	5.2	31
56	Modifying alginate beads using polycarboxyl component for enhanced metal ions removal. <i>International Journal of Biological Macromolecules</i> , 2020, 158, 493-501.	7.5	31
57	Network interior and surface engineering of alginate-based beads using sorption affinity component for enhanced phosphate capture. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 301-309.	7.5	31
58	In situ preparation of uniform Ag NPs onto multifunctional Fe ₃ O ₄ @SN/HPW@CG towards efficient reduction of 4-nitrophenol. <i>New Journal of Chemistry</i> , 2014, 38, 3999-4006.	2.8	30
59	High-performance electromagnetic wave absorbing composites prepared by one-step transformation of Fe ³⁺ mediated egg-box structure of seaweed. <i>RSC Advances</i> , 2016, 6, 98128-98140.	3.6	30
60	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> , 2017, 80, 596-606.	5.3	30
61	Porous NiCoP@C hybrid as efficient positive electrodes for high-performance supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155157.	5.5	30
62	Recyclable CMC/PVA/MIL-101 aerogels with tailored network and affinity sites for efficient heavy metal ions capture. <i>Chemical Engineering Journal</i> , 2022, 447, 137483.	12.7	30
63	Sodium alginate-based magnetic carbonaceous biosorbents for highly efficient Cr(VI) removal from water. <i>RSC Advances</i> , 2015, 5, 77932-77941.	3.6	29
64	Efficient batch and column removal of Cr(VI) by carbon beads with developed nano-network. <i>RSC Advances</i> , 2016, 6, 104897-104910.	3.6	29
65	Designing recyclable Cu/ZrSBA-15 for efficient thiophene removal. <i>Microporous and Mesoporous Materials</i> , 2015, 217, 21-29.	4.4	28
66	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> , 2019, 236, 117630.	9.3	28
67	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> , 2017, 41, 13327-13335.	2.8	27
68	Performance enhanced electromagnetic wave absorber from controllable modification of natural plant fiber. <i>RSC Advances</i> , 2019, 9, 16690-16700.	3.6	26
69	One-Step Green Synthesis of Multifunctional Fe ₃ O ₄ /Cu Nanocomposites toward Efficient Reduction of Organic Dyes. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1692-1699.	2.0	25
70	Determination and correlation of solubility and solution thermodynamics of saccharin in different pure solvents. <i>Journal of Chemical Thermodynamics</i> , 2019, 133, 70-78.	2.0	25
71	Highly efficient and stable catalysis of p-nitrophenol via silver/lignin/polyacrylic acid hydrogel. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 947-953.	7.5	25
72	Removal of Cr(VI) from aqueous solution by rice husk derived magnetic sorbents. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 1416-1424.	2.7	24

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73	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
74	Dual-wastes derived biochar with tailored surface features for highly efficient p-nitrophenol adsorption. Journal of Cleaner Production, 2022, 353, 131571.	9.3	24
75	Preparation of superhydrophobic materials for oil/water separation and oil absorption using PMHS-TEOS-derived xerogel and polystyrene. Journal of Sol-Gel Science and Technology, 2014, 72, 385-393.	2.4	23
76	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
77	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
78	Lignin-First Depolymerization of Lignocellulose into Monophenols over Carbon Nanotube-Supported Ruthenium: Impact of Lignin Sources. ChemSusChem, 2022, 15, .	6.8	23
79	Facile solvothermal synthesis of novel hetero-structured CoNi-CuO composites with excellent microwave absorption performance. RSC Advances, 2017, 7, 43689-43699.	3.6	22
80	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
81	One-step preparation of Fe ₃ O ₄ /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
82	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
83	Facile transformation of carboxymethyl cellulose beads into hollow composites for dye adsorption. International Journal of Biological Macromolecules, 2021, 190, 919-926.	7.5	22
84	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
85	Effect of preparation conditions on structural properties of PMHS-TEOS hybrid materials. Journal of Sol-Gel Science and Technology, 2011, 59, 480-487.	2.4	21
86	Towards understanding the photocatalytic activity enhancement of ordered mesoporous Bi ₂ Mo ₆ crystals prepared via a novel vacuum-assisted nanocasting method. RSC Advances, 2016, 6, 35709-35718.	3.6	21
87	Hydrophilic, hollow Fe ₃ O ₄ @PDA spheres with a storage cavity for efficient removal of polycyclic structured tetracycline. New Journal of Chemistry, 2017, 41, 1235-1244.	2.8	21
88	Hierarchical multi-porous carbonaceous beads prepared with nano-CaCO ₃ in-situ encapsulated hydrogels for efficient batch and column removal of antibiotics from water. Microporous and Mesoporous Materials, 2020, 293, 109830.	4.4	21
89	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
90	Multifunctional hollow polydopamine-based composites (Fe ₃ O ₄ /PDA@Ag) for efficient degradation of organic dyes. RSC Advances, 2016, 6, 47761-47770.	3.6	20

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91	Preparation of β -CD and Fe ₃ O ₄ integrated multifunctional bioadsorbent for highly efficient dye removal from water. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 62, 209-218.	5.3	20
92	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> , 2016, 78, 110-119.	2.4	20
93	Removal of methylene blue over low-cost mesoporous silica nanoparticles prepared with naturally occurring diatomite. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 88, 541-550.	2.4	20
94	Alginate-Derived Porous Carbon Obtained by Nano-ZnO Hard Template-Induced ZnCl ₂ -Activation Method for Enhanced Electrochemical Performance. <i>Journal of the Electrochemical Society</i> , 2020, 167, 040505.	2.9	20
95	Fabrication of highly-stable Ag/CA@GTA hydrogel beads and their catalytic application. <i>RSC Advances</i> , 2014, 4, 60460-60466.	3.6	19
96	Defect-rich N-doped porous carbon derived from alginate by HNO ₃ etching combined with a hard template method for high-performance supercapacitors. <i>Materials Chemistry and Physics</i> , 2021, 260, 124121.	4.0	18
97	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> , 2021, 183, 285-294.	7.5	18
98	Synthesis and Characterization of Tungstophosphoric Acid/Pentaethylenhexamine/ZrSBA-15 and Its Use in the Selective Oxidation of Benzyl Alcohol under Solvent-Free Conditions. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 2337-2344.	2.0	16
99	Facile fabrication of SBA-15/polypyrrole composites with long-rod shape for enhanced electromagnetic wave absorption. <i>Microporous and Mesoporous Materials</i> , 2019, 288, 109584.	4.4	16
100	N/P-codoped 3D carbonaceous framework loaded Mo-based particles as versatile electromagnetic wave absorber. <i>Journal of Alloys and Compounds</i> , 2020, 812, 152167.	5.5	16
101	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> , 2022, 622, 327-335.	9.4	16
102	Heavy metal removal of tri-amino-functionalized sol-gel hybrids with tailored characteristics. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 177-185.	2.4	15
103	Hierarchical nitrogen/cobalt co-doped carbonaceous materials with electromagnetic waves absorption promoting nanostructures. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153666.	5.5	15
104	Facile fabrication of Cu _x Sy/Carbon composites using lignosulfonate for efficient palladium recovery under strong acidic conditions. <i>Journal of Hazardous Materials</i> , 2020, 391, 122253.	12.4	15
105	Enhanced metal-support interactions between Pd NPs and ZrSBA-15 for efficient aerobic benzyl alcohol oxidation. <i>RSC Advances</i> , 2016, 6, 70424-70432.	3.6	14
106	Hydrogels with diffusion-facilitated porous network for improved adsorption performance. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 2384-2393.	2.7	14
107	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> , 2019, 43, 5495-5502.	2.8	14
108	Interior engineering of seaweed-derived N-doped versatile carbonaceous beads with Co _x O _y for universal organic pollutant degradation. <i>RSC Advances</i> , 2019, 9, 5009-5024.	3.6	14

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109	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> , 2020, 343, 136106.	5.2	14
110	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> , 2022, 10, 107777.	6.7	14
111	Sol-gel synthesis of nanosilver embedded hybrid materials using combined organosilica precursors. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 62, 281-286.	2.4	13
112	Facile sol-gel synthesis of thiol-functionalized materials from TEOS-MPTMS-PMHS system. <i>Journal of Sol-Gel Science and Technology</i> , 2012, 61, 23-33.	2.4	13
113	PMHS-reduced fabrication of hollow Ag-SiO ₂ composite spheres with developed porosity. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 75, 82-89.	2.4	13
114	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> , 2021, 173, 160-167.	7.5	13
115	Characterization of lignin streams during ionic liquid/hydrochloric acid/formaldehyde pretreatment of corn stalk. <i>Bioresource Technology</i> , 2021, 331, 125064.	9.6	13
116	Site-imprinted hollow composites with integrated functions for ultra-efficient capture of hexavalent chromium from water. <i>Separation and Purification Technology</i> , 2022, 284, 120240.	7.9	13
117	Template-assisted synthesis of porous carbon derived from biomass for enhanced supercapacitor performance. <i>Diamond and Related Materials</i> , 2022, 128, 109219.	3.9	13
118	Magnetic and Stable H ₃ PW ₁₂ O ₄₀ -Based Core@shell Nanomaterial towards the Esterification of Oleic Acid with Methanol. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 5428-5435.	2.0	12
119	Pd NPs supported on N-doped carbon layer coated ZrSBA-15 for efficient heterogeneous catalysis reactions. <i>Microporous and Mesoporous Materials</i> , 2018, 266, 64-74.	4.4	12
120	High-performance asymmetric supercapacitor based on Ni ₃ S ₂ nanoparticles immobilized on carbon nanosheets from sodium alginate. <i>Journal of Alloys and Compounds</i> , 2021, 885, 161194.	5.5	12
121	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> , 2015, 76, 320-331.	2.4	11
122	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> , 2020, 294, 109880.	4.4	11
123	Multifunctional hierarchical cabbage-like nZVI-Fe ₃ O ₄ /C composites for efficient chromium (VI) removal. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 65, 312-322.	5.3	10
124	Multistage reclamation of Co ²⁺ -containing alginate hydrogels as excellent reduction catalyst and subsequent microwave absorber by facile transformation. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1513-1525.	7.5	10
125	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> , 2021, 164, 113413.	5.2	10
126	Facile synthesis of carbon nanoparticles/graphene composites derived from biomass resources and their application in lithium ion batteries. <i>RSC Advances</i> , 2016, 6, 79366-79371.	3.6	9

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127	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> , 2018, 44, 2867-2887.	2.7	9
128	Three-dimensional Co ^{II} /SBA-15/alginate hydrogels with excellent recovery and recyclability for activating peroxymonosulfate to degrade ciprofloxacin. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111259.	4.4	9
129	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> , 2015, 22, 997-1008.	2.6	8
130	Separation of Cd(II) and Ni(II) in a binary mixture through competitive adsorption and acid leaching. <i>RSC Advances</i> , 2015, 5, 92885-92892.	3.6	8
131	Green-synthesis of magnetic core-shell Fe ₃ O ₄ @SN-Ag towards efficient reduction of 4-nitrophenol. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 73, 299-305.	2.4	8
132	Carbon-silica composite bio-sorbents with a high density of oxygen-containing sites for efficient methylene blue adsorption. <i>Research on Chemical Intermediates</i> , 2016, 42, 839-854.	2.7	8
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