

Given Names Deactivated Family Name

List of Publications by Year in descending order

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180
papers

9,093
citations

47006

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h-index

56724

83
g-index

180
all docs

180
docs citations

180
times ranked

5961
citing authors

#	ARTICLE	IF	CITATIONS
1	Single-atom catalysis in advanced oxidation processes for environmental remediation. <i>Chemical Society Reviews</i> , 2021, 50, 5281-5322.	38.1	502
2	In-situ pyrolysis of Enteromorpha as carbocatalyst for catalytic removal of organic contaminants: Considering the intrinsic N/Fe in Enteromorpha and non-radical reaction. <i>Applied Catalysis B: Environmental</i> , 2019, 250, 382-395.	20.2	418
3	Co ₃ O ₄ anchored in N, S heteroatom co-doped porous carbons for degradation of organic contaminant: role of pyridinic N-Co binding and high tolerance of chloride. <i>Applied Catalysis B: Environmental</i> , 2021, 282, 119484.	20.2	305
4	Sulfate saturated biosorbent-derived Co-S@NC nanoarchitecture as an efficient catalyst for peroxymonosulfate activation. <i>Applied Catalysis B: Environmental</i> , 2020, 262, 118302.	20.2	289
5	Removal of sulfamethoxazole from water via activation of persulfate by Fe ₃ C@NCNTs including mechanism of radical and nonradical process. <i>Chemical Engineering Journal</i> , 2019, 375, 122004.	12.7	244
6	Novel lignin-based single atom catalysts as peroxymonosulfate activator for pollutants degradation: Role of single cobalt and electron transfer pathway. <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119910.	20.2	209
7	Fe/Mn nanoparticles encapsulated in nitrogen-doped carbon nanotubes as a peroxymonosulfate activator for acetamiprid degradation. <i>Environmental Science: Nano</i> , 2019, 6, 1799-1811.	4.3	197
8	Comparison of coagulation behavior and floc structure characteristic of different polyferric-cationic polymer dual-coagulants in humic acid solution. <i>Water Research</i> , 2009, 43, 724-732.	11.3	177
9	Adsorption-desorption behavior of magnetic amine/Fe ₃ O ₄ functionalized biopolymer resin towards anionic dyes from wastewater. <i>Bioresource Technology</i> , 2016, 210, 123-130.	9.6	175
10	Effect of phosphate on peroxymonosulfate activation: Accelerating generation of sulfate radical and underlying mechanism. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120532.	20.2	172
11	Unveiling the Origins of Selective Oxidation in Single-Atom Catalysis via Co ₄ N ₄ C Intensified Radical and Nonradical Pathways. <i>Environmental Science & Technology</i> , 2022, 56, 11635-11645.	10.0	159
12	Three-dimensional porous graphene-like biochar derived from Enteromorpha as a persulfate activator for sulfamethoxazole degradation: Role of graphitic N and radicals transformation. <i>Journal of Hazardous Materials</i> , 2020, 399, 123039.	12.4	152
13	Adsorption of nitrate from aqueous solution by magnetic amine-crosslinked biopolymer based corn stalk and its chemical regeneration property. <i>Journal of Hazardous Materials</i> , 2016, 304, 280-290.	12.4	138
14	Carbon-based single atom catalyst: Synthesis, characterization, DFT calculations. <i>Chinese Chemical Letters</i> , 2022, 33, 663-673.	9.0	126
15	Nitrogen-doped carbon nanotubes encapsulating Fe/Zn nanoparticles as a persulfate activator for sulfamethoxazole degradation: role of encapsulated bimetallic nanoparticles and nonradical reaction. <i>Environmental Science: Nano</i> , 2020, 7, 1444-1453.	4.3	113
16	High-capacity adsorption of dissolved hexavalent chromium using amine-functionalized magnetic corn stalk composites. <i>Bioresource Technology</i> , 2015, 190, 550-557.	9.6	103
17	Highly permeable and antifouling reverse osmosis membranes with acidified graphitic carbon nitride nanosheets as nanofillers. <i>Journal of Materials Chemistry A</i> , 2017, 5, 19875-19883.	10.3	103
18	Graphitic carbon nitride (g-C ₃ N ₄)-based membranes for advanced separation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19133-19155.	10.3	99

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19	Recycling exhausted magnetic biochar with adsorbed Cu ²⁺ as a cost-effective permonosulfate activator for norfloxacin degradation: Cu contribution and mechanism. <i>Journal of Hazardous Materials</i> , 2021, 413, 125413.	12.4	87
20	Improving peroxymonosulfate activation by copper ion-saturated adsorbent-based single atom catalysts for the degradation of organic contaminants: electron-transfer mechanism and the key role of Cu single atoms. <i>Journal of Materials Chemistry A</i> , 2021, 9, 11604-11613.	10.3	85
21	Perchlorate removal by quaternary amine modified reed. <i>Journal of Hazardous Materials</i> , 2011, 189, 54-61.	12.4	77
22	One-step synthesis of "nuclear-shell" structure iron-carbon nanocomposite as a persulfate activator for bisphenol A degradation. <i>Chemical Engineering Journal</i> , 2020, 382, 122780.	12.7	77
23	The characterization and flocculation efficiency of composite flocculant iron salts "polydimethyldiallylammonium chloride. <i>Chemical Engineering Journal</i> , 2008, 142, 175-181.	12.7	74
24	Thiol-ene click chemistry synthesis of a novel magnetic mesoporous silica/chitosan composite for selective Hg(II) capture and high catalytic activity of spent Hg(II) adsorbent. <i>Chemical Engineering Journal</i> , 2021, 405, 126743.	12.7	74
25	Co/Fe and Co/Al layered double oxides ozone catalyst for the deep degradation of aniline: Preparation, characterization and kinetic model. <i>Science of the Total Environment</i> , 2020, 715, 136982.	8.0	73
26	Highly-efficient degradation of triclosan attributed to peroxymonosulfate activation by heterogeneous catalyst g-C ₃ N ₄ /MnFe ₂ O ₄ . <i>Chemical Engineering Journal</i> , 2020, 391, 123554.	12.7	70
27	Rational design to manganese and oxygen co-doped polymeric carbon nitride for efficient nonradical activation of peroxymonosulfate and the mechanism insight. <i>Chemical Engineering Journal</i> , 2022, 430, 132751.	12.7	70
28	Antibacterial Thin-Film Nanocomposite Membranes Incorporated with Graphene Oxide Quantum Dot-Mediated Silver Nanoparticles for Reverse Osmosis Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 8724-8734.	6.7	69
29	Flocculation performance of papermaking sludge-based flocculants in different dye wastewater treatment: Comparison with commercial lignin and coagulants. <i>Chemosphere</i> , 2021, 262, 128416.	8.2	68
30	Coagulation performance and membrane fouling of different aluminum species during coagulation/ultrafiltration combined process. <i>Chemical Engineering Journal</i> , 2015, 262, 1161-1167.	12.7	67
31	Effect of dosing method on color removal performance and flocculation dynamics of polyferric-organic polymer dual-coagulant in synthetic dyeing solution. <i>Chemical Engineering Journal</i> , 2009, 151, 176-182.	12.7	66
32	Antibacterial thin film nanocomposite reverse osmosis membrane by doping silver phosphate loaded graphene oxide quantum dots in polyamide layer. <i>Desalination</i> , 2019, 464, 94-104.	8.2	64
33	UV-initiated template copolymerization of AM and MAPTAC: Microblock structure, copolymerization mechanism, and flocculation performance. <i>Chemosphere</i> , 2017, 167, 71-81.	8.2	63
34	Application of Al species in coagulation/ultrafiltration process: Influence of cake layer on membrane fouling. <i>Journal of Membrane Science</i> , 2019, 572, 161-170.	8.2	63
35	Enhanced antifouling and antimicrobial thin film nanocomposite membranes with incorporation of Palygorskite/titanium dioxide hybrid material. <i>Journal of Colloid and Interface Science</i> , 2019, 537, 1-10.	9.4	62
36	Effects of green synthesis, magnetization, and regeneration on ciprofloxacin removal by bimetallic nZVI/Cu composites and insights of degradation mechanism. <i>Journal of Hazardous Materials</i> , 2020, 382, 121008.	12.4	59

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37	Characterization of size, strength and structure of aluminum-polymer dual-coagulant flocs under different pH and hydraulic conditions. <i>Journal of Hazardous Materials</i> , 2013, 252-253, 330-337.	12.4	58
38	Effects of papermaking sludge-based polymer on coagulation behavior in the disperse and reactive dyes wastewater treatment. <i>Bioresource Technology</i> , 2017, 240, 59-67.	9.6	56
39	Modified biogas residues as an eco-friendly and easily-recoverable biosorbent for nitrate and phosphate removals from surface water. <i>Journal of Hazardous Materials</i> , 2020, 382, 121073.	12.4	56
40	Co-monomer polymer anion exchange resin for removing Cr(VI) contaminants: Adsorption kinetics, mechanism and performance. <i>Science of the Total Environment</i> , 2020, 709, 136002.	8.0	56
41	Ultrasound-initiated synthesis of cationic polyacrylamide for oily wastewater treatment: Enhanced interaction between the flocculant and contaminants. <i>Ultrasonics Sonochemistry</i> , 2018, 42, 31-41.	8.2	55
42	Effects of dissolved organic matter size fractions on trihalomethanes formation in MBR effluents during chlorine disinfection. <i>Bioresource Technology</i> , 2013, 136, 535-541.	9.6	53
43	Waste-to-resources: Green preparation of magnetic biogas residues-based biochar for effective heavy metal removals. <i>Science of the Total Environment</i> , 2020, 737, 140283.	8.0	52
44	Preparation of a rice straw-based green separation layer for efficient and persistent oil-in-water emulsion separation. <i>Journal of Hazardous Materials</i> , 2021, 415, 125594.	12.4	52
45	Coagulation performance and flocs properties of a new composite coagulant: Polytitanium-silicate-sulfate. <i>Chemical Engineering Journal</i> , 2014, 245, 173-179.	12.7	51
46	Evaluation of molecular weight, chain architectures and charge densities of various lignin-based flocculants for dye wastewater treatment. <i>Chemosphere</i> , 2019, 215, 214-226.	8.2	51
47	Influence of floc size and structure on membrane fouling in coagulation-ultrafiltration hybrid process-The role of Al ¹³ species. <i>Journal of Hazardous Materials</i> , 2011, 193, 249-256.	12.4	50
48	Effect of shear conditions on floc properties and membrane fouling in coagulation/ultrafiltration hybrid process-The significance of Alb species. <i>Journal of Membrane Science</i> , 2012, 415-416, 153-160.	8.2	50
49	Effect of aging period on the characteristics and coagulation behavior of polyferric chloride and polyferric chloride-polyamine composite coagulant for synthetic dyeing wastewater treatment. <i>Journal of Hazardous Materials</i> , 2011, 187, 413-420.	12.4	49
50	Column adsorption and regeneration study of magnetic biopolymer resin for perchlorate removal in presence of nitrate and phosphate. <i>Journal of Cleaner Production</i> , 2019, 213, 762-775.	9.3	49
51	Ion-imprinted mesoporous silica/magnetic graphene oxide composites functionalized with Schiff-base for selective Cu(II) capture and simultaneously being transformed as a robust heterogeneous catalyst. <i>Chemical Engineering Journal</i> , 2020, 385, 123847.	12.7	49
52	Optimization of coagulation pre-treatment for alleviating ultrafiltration membrane fouling: The role of floc properties on Al species. <i>Chemosphere</i> , 2018, 200, 86-92.	8.2	48
53	Self-floating maize straw/graphene aerogel synthesis based on microbubble and ice crystal templates for efficient solar-driven interfacial water evaporation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24734-24742.	10.3	48
54	Highly efficient and mild electrochemical degradation of bentazon by nano-diamond doped PbO ₂ anode with reduced Ti nanotube as the interlayer. <i>Journal of Colloid and Interface Science</i> , 2020, 575, 254-264.	9.4	48

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55	A novel Enteromorpha based hydrogel optimized with Boxâ€“Behnken response surface method: Synthesis, characterization and swelling behaviors. Chemical Engineering Journal, 2016, 287, 537-544.	12.7	47
56	A tunable amphiphilic Enteromorpha-modified graphene aerogel for oil/water separation. Science of the Total Environment, 2021, 763, 142958.	8.0	47
57	A facile approach to ultralight and recyclable 3D self-assembled copolymer/graphene aerogels for efficient oil/water separation. Science of the Total Environment, 2019, 694, 133671.	8.0	46
58	Insights into the phosphate adsorption behavior onto 3D self-assembled cellulose/graphene hybrid nanomaterials embedded with bimetallic hydroxides. Science of the Total Environment, 2019, 653, 897-907.	8.0	46
59	Cerium oxide doped nanocomposite membranes for reverse osmosis desalination. Chemosphere, 2019, 218, 974-983.	8.2	46
60	Aluminum fractions in surface water from reservoirs by coagulation treatment with polyaluminum chloride (PAC): Influence of initial pH and OH ⁻ /Al ³⁺ ratio. Chemical Engineering Journal, 2011, 170, 107-113.	12.7	45
61	Effect of OH ⁻ /Al ³⁺ ratio on the coagulation behavior and residual aluminum speciation of polyaluminum chloride (PAC) in surface water treatment. Separation and Purification Technology, 2011, 80, 59-66.	7.9	45
62	Column adsorption of perchlorate by amine-crosslinked biopolymer based resin and its biological, chemical regeneration properties. Carbohydrate Polymers, 2015, 115, 432-438.	10.2	45
63	A wheat straw cellulose-based hydrogel for Cu (II) removal and preparation copper nanocomposite for reductive degradation of chloramphenicol. Carbohydrate Polymers, 2018, 190, 12-22.	10.2	45
64	Characterization and performance of a novel lignin-based flocculant for the treatment of dye wastewater. International Biodeterioration and Biodegradation, 2018, 133, 99-107.	3.9	45
65	The combination of coagulation and ozonation as a pre-treatment of ultrafiltration in water treatment. Chemosphere, 2019, 231, 349-356.	8.2	45
66	Boosting fenton-like reaction by reconstructed single Fe atom catalyst for oxidizing organics: Synergistic effect of conjugated I ⁻ -I ⁰ sp ² structured carbon and isolated Fe-N ₄ sites. Chemical Engineering Journal, 2022, 446, 137120.	12.7	45
67	Coagulation behavior and floc properties of compound bioflocculantâ€“polyaluminum chloride dual-coagulants and polymeric aluminum in low temperature surface water treatment. Journal of Environmental Sciences, 2015, 30, 215-222.	6.1	44
68	Study of microbial perchlorate reduction: Considering of multiple pH, electron acceptors and donors. Journal of Hazardous Materials, 2015, 285, 228-235.	12.4	44
69	Effect of using polydimethyldiallylammonium chloride as coagulation aid on polytitanium salt coagulation performance, floc properties and sludge reuse. Separation and Purification Technology, 2015, 143, 64-71.	7.9	43
70	A Highly Active CuI/TMEDA Catalytic System for the Coupling Reaction of Acid Chlorides with Terminal Alkynes under Solvent-Free Conditions. Synthesis, 2014, 46, 2617-2621.	2.3	42
71	Effective removal of hexavalent chromium from aqueous solution by ZnCl ₂ modified biochar: Effects and response sequence of the functional groups. Journal of Molecular Liquids, 2021, 334, 116149.	4.9	41
72	Flocculation kinetics and floc characteristics of dye wastewater by polyferric chlorideâ€“poly-epichlorohydrinâ€“dimethylamine composite flocculant. Separation and Purification Technology, 2013, 118, 583-590.	7.9	40

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73	Palygorskite/silver nanoparticles incorporated polyamide thin film nanocomposite membranes with enhanced water permeating, antifouling and antimicrobial performance. <i>Chemosphere</i> , 2019, 236, 124396.	8.2	39
74	Ibuprofen degradation using a Co-doped carbon matrix derived from peat as a peroxymonosulphate activator. <i>Environmental Research</i> , 2021, 193, 110564.	7.5	39
75	Coagulation behavior of polyferric chloride for removing NOM from surface water with low concentration of organic matter and its effect on chlorine decay model. <i>Separation and Purification Technology</i> , 2010, 75, 61-68.	7.9	38
76	Effect of the dosage ratio and the viscosity of PAC/PDMAAC on coagulation performance and membrane fouling in a hybrid coagulation-ultrafiltration process. <i>Chemosphere</i> , 2017, 173, 288-298.	8.2	38
77	In-situ synthesis of CuS@carbon nanocomposites and application in enhanced photo-fenton degradation of 2,4-DCP. <i>Chemosphere</i> , 2021, 270, 129295.	8.2	38
78	Fabrication of graphitic carbon nitride functionalized $\text{P}^{\text{Co}}\text{Fe}_2\text{O}_4$ for the removal of tetracycline under visible light: Optimization, degradation pathways and mechanism evaluation. <i>Chemosphere</i> , 2021, 274, 129783.	8.2	38
79	Alleviating membrane fouling of modified polysulfone membrane via coagulation pretreatment/ultrafiltration hybrid process. <i>Chemosphere</i> , 2019, 235, 58-69.	8.2	37
80	Characterization and influence of floc under different coagulation systems on ultrafiltration membrane fouling. <i>Chemosphere</i> , 2020, 238, 124659.	8.2	37
81	Preparation and application of novel blast furnace dust based catalytic-ceramic-filler in electrolysis assisted catalytic micro-electrolysis system for ciprofloxacin wastewater treatment. <i>Journal of Hazardous Materials</i> , 2020, 383, 121215.	12.4	37
82	Performance optimization of CdS precipitated graphene oxide/polyacrylic acid composite for efficient photodegradation of chlortetracycline. <i>Journal of Hazardous Materials</i> , 2020, 388, 121780.	12.4	37
83	Municipal wastewater treatment by forward osmosis using seawater concentrate as draw solution. <i>Chemosphere</i> , 2019, 237, 124485.	8.2	36
84	Magnetic hydrogel derived from wheat straw cellulose/feather protein in ionic liquids as copper nanoparticles carrier for catalytic reduction. <i>Carbohydrate Polymers</i> , 2019, 220, 202-210.	10.2	36
85	One-step synthesis of Cu_2O @carbon nanocapsules composites using sodium alginate as template and characterization of their visible light photocatalytic properties. <i>Journal of Cleaner Production</i> , 2019, 209, 20-29.	9.3	36
86	Removal of chloramphenicol by sulfide-modified nanoscale zero-valent iron activated persulfate: Performance, salt resistance, and reaction mechanisms. <i>Chemosphere</i> , 2022, 286, 131876.	8.2	36
87	Evaluation of a submerged membrane bioreactor (SMBR) coupled with chlorine disinfection for municipal wastewater treatment and reuse. <i>Desalination</i> , 2013, 313, 134-139.	8.2	35
88	Effect of dose methods of a synthetic organic polymer and PFC on floc properties in dyeing wastewater coagulation process. <i>Chemical Engineering Journal</i> , 2014, 243, 169-175.	12.7	35
89	Compound bioflocculant and polyaluminum chloride in kaolin-humic acid coagulation: Factors influencing coagulation performance and floc characteristics. <i>Bioresource Technology</i> , 2014, 172, 8-15.	9.6	35
90	Synthesis of polyaluminium chloride/papermaking sludge-based organic polymer composites for removal of disperse yellow and reactive blue by flocculation. <i>Chemosphere</i> , 2019, 231, 337-348.	8.2	35

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91	Low-temperature carbonization synthesis of carbon-based super-hydrophobic foam for efficient multi-state oil/water separation. <i>Journal of Hazardous Materials</i> , 2022, 423, 127064.	12.4	35
92	Catalytic ozonation performance and mechanism of Mn-CeO _x @ ³ -Al ₂ O ₃ /O ₃ in the treatment of sulfate-containing hypersaline antibiotic wastewater. <i>Science of the Total Environment</i> , 2022, 807, 150867.	8.0	35
93	Effect of pH and shear force on flocs characteristics for humic acid removal using polyferric aluminum chloride-organic polymer dual-coagulants. <i>Desalination</i> , 2011, 281, 243-247.	8.2	34
94	Perchlorate uptake by wheat straw based adsorbent from aqueous solution and its subsequent biological regeneration. <i>Chemical Engineering Journal</i> , 2012, 211-212, 37-45.	12.7	34
95	Coagulation performance and floc characteristics of aluminum sulfate with cationic polyamidine as coagulant aid for kaolin-humic acid treatment. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 481, 476-484.	4.7	34
96	Magnetic graphene oxide functionalized by poly dimethyl diallyl ammonium chloride for efficient removal of Cr(VI). <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 91, 499-506.	5.3	34
97	Effect of viscosity, basicity and organic content of composite flocculant on the decolorization performance and mechanism for reactive dyeing wastewater. <i>Journal of Environmental Sciences</i> , 2011, 23, 1626-1633.	6.1	32
98	Effective adsorption/desorption of perchlorate from water using corn stalk based modified magnetic biopolymer ion exchange resin. <i>Microporous and Mesoporous Materials</i> , 2017, 252, 59-68.	4.4	31
99	PAC-PDMAAC pretreatment of typical natural organic matter mixtures: Ultrafiltration membrane fouling control and mechanisms. <i>Science of the Total Environment</i> , 2019, 694, 133816.	8.0	31
100	Flocculation performance of epichlorohydrin-dimethylamine polyamine in treating dyeing wastewater. <i>Journal of Environmental Management</i> , 2009, 91, 423-431.	7.8	30
101	Impact of various coagulation technologies on membrane fouling in coagulation/ultrafiltration process. <i>Chemical Engineering Journal</i> , 2013, 225, 387-393.	12.7	30
102	Flocculation performance of lignin-based flocculant during reactive blue dye removal: comparison with commercial flocculants. <i>Environmental Science and Pollution Research</i> , 2018, 25, 2083-2095.	5.3	30
103	Insights into selective adsorption mechanism of copper and zinc ions onto biogas residue-based adsorbent: Theoretical calculation and electronegativity difference. <i>Science of the Total Environment</i> , 2022, 805, 150413.	8.0	30
104	A wheat straw cellulose based semi-IPN hydrogel reactor for metal nanoparticles preparation and catalytic reduction of 4-nitrophenol. <i>RSC Advances</i> , 2017, 7, 17599-17611.	3.6	29
105	Characterization of dissolved organic matter and membrane fouling in coagulation-ultrafiltration process treating micro-polluted surface water. <i>Journal of Environmental Sciences</i> , 2019, 75, 318-324.	6.1	29
106	A dual-functional layer modified GO@SiO ₂ membrane with excellent anti-fouling performance for continuous separation of oil-in-water emulsion. <i>Journal of Hazardous Materials</i> , 2021, 420, 126681.	12.4	29
107	Polyacrylamide as coagulant aid with polytitanium sulfate in humic acid-kaolin water treatment: Effect of dosage and dose method. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 64, 173-179.	5.3	27
108	Effect of OH ⁻ /Al ³⁺ and Si/Al molar ratios on the coagulation performance and residual Al speciation during surface water treatment with poly-aluminum-silicate-chloride (PASiC). <i>Journal of Hazardous Materials</i> , 2011, 189, 203-210.	12.4	26

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109	Floc characterization and membrane fouling of polyferric-polymer dual/composite coagulants in coagulation/ultrafiltration hybrid process. <i>Journal of Colloid and Interface Science</i> , 2013, 412, 39-45.	9.4	26
110	A novel Enteromorpha based hydrogel for copper and nickel nanoparticle preparation and their use in hydrogen production as catalysts. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 6746-6756.	7.1	25
111	Coagulation behavior of kaolin-anionic surfactant simulative wastewater by polyaluminum chloride-polymer dual coagulants. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7382-7390.	5.3	25
112	The influence of algal organic matter produced by <i>Microcystis aeruginosa</i> on coagulation-ultrafiltration treatment of natural organic matter. <i>Chemosphere</i> , 2018, 196, 418-428.	8.2	25
113	Highly efficient removal of phosphate from aqueous media by pomegranate peel co-doping with ferric chloride and lanthanum hydroxide nanoparticles. <i>Journal of Cleaner Production</i> , 2021, 292, 125311.	9.3	25
114	Floc properties of polyaluminum ferric chloride in water treatment: The effect of Al/Fe molar ratio and basicity. <i>Journal of Colloid and Interface Science</i> , 2015, 458, 247-254.	9.4	24
115	Effects of epichlorohydrin-dimethylamine on polytitanium chloride coagulation and membrane fouling in humic-kaolin water treatment: Dosage, dose method and solution pH. <i>Separation and Purification Technology</i> , 2017, 173, 209-217.	7.9	24
116	One-step synthesis of easily-recoverable carboxylated biogas residues for efficient removal of heavy metal ions from synthetic wastewater. <i>Journal of Cleaner Production</i> , 2019, 240, 118264.	9.3	24
117	Mechanism of sonication time on structure and adsorption properties of 3D peanut shell/graphene oxide aerogel. <i>Science of the Total Environment</i> , 2020, 739, 139983.	8.0	24
118	Effects of sludge retention times on reactivity of effluent dissolved organic matter for trihalomethane formation in hybrid powdered activated carbon membrane bioreactors. <i>Bioresource Technology</i> , 2014, 166, 381-388.	9.6	23
119	Treatment of dissolved perchlorate by adsorption-microbial reduction. <i>Chemical Engineering Journal</i> , 2015, 279, 522-529.	12.7	23
120	Synthesis, characterization of a novel lignin-based polymer and its behavior as a coagulant aid in coagulation/ultrafiltration hybrid process. <i>International Biodeterioration and Biodegradation</i> , 2016, 113, 334-341.	3.9	23
121	The effect of DOM on floc formation and membrane fouling in coagulation/ultrafiltration process for treating TiO ₂ nanoparticles in various aquatic media. <i>Chemical Engineering Journal</i> , 2017, 316, 429-437.	12.7	23
122	Preparation of an Adsorbent Based on Amidoxime and Triazole Modified Waste Cotton Fabrics through an Azide-Alkyne Click Reaction with Excellent Adsorption Performance toward Cu(II). <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1944-1955.	6.7	23
123	Adsorptive removal of phosphate by the bimetallic hydroxide nanocomposites embedded in pomegranate peel. <i>Journal of Environmental Sciences</i> , 2020, 91, 189-198.	6.1	23
124	Integration of adsorption and direct bio-reduction of perchlorate on surface of cotton stalk based resin. <i>Journal of Colloid and Interface Science</i> , 2015, 459, 127-135.	9.4	22
125	The rapid adsorption-microbial reduction of perchlorate from aqueous solution by novel amine-crosslinked magnetic biopolymer resin. <i>Bioresource Technology</i> , 2017, 240, 68-76.	9.6	22
126	Novel cationic polyamidine: Synthesis, characterization, and sludge dewatering performance. <i>Journal of Environmental Sciences</i> , 2017, 51, 305-314.	6.1	22

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127	Study on the treatment of soybean protein wastewater by a pilot-scale IC-A/O coupling reactor. <i>Chemical Engineering Journal</i> , 2018, 343, 189-197.	12.7	22
128	Floc properties and membrane fouling in coagulation/ultrafiltration process for the treatment of Xiaoqing River: The role of polymeric aluminum-polymer dual-coagulants. <i>Chemosphere</i> , 2020, 243, 125391.	8.2	22
129	Magnetic field-enhanced radical intensity for accelerating norfloxacin degradation under FeCu/rGO photo-Fenton catalysis. <i>Chemical Engineering Journal</i> , 2021, 420, 127634.	12.7	22
130	Application of enteromorpha polysaccharides as coagulant aid in the simultaneous removal of CuO nanoparticles and Cu ²⁺ : Effect of humic acid concentration. <i>Chemosphere</i> , 2018, 204, 492-500.	8.2	21
131	The Combination of Coagulation and Adsorption for Controlling Ultra-Filtration Membrane Fouling in Water Treatment. <i>Water (Switzerland)</i> , 2019, 11, 90.	2.7	21
132	Enhanced degradation of bisphenol F in a porphyrin-MOF based visible-light system under high salinity conditions. <i>Chemical Engineering Journal</i> , 2022, 428, 132106.	12.7	21
133	Synthesis of rice husk-based ion-imprinted polymer for selective capturing Cu(II) from aqueous solution and re-use of its waste material in Glaser coupling reaction. <i>Journal of Hazardous Materials</i> , 2022, 424, 127203.	12.4	21
134	Phytic acid and graphene oxide functionalized sponge with special-wettability and electronegativity for oil-in-water emulsion separation in single-step. <i>Journal of Hazardous Materials</i> , 2022, 435, 129003.	12.4	21
135	Polytitanium sulfate (PTS): Coagulation application and Ti species detection. <i>Journal of Environmental Sciences</i> , 2017, 52, 250-258.	6.1	20
136	Manipulating a vertical temperature-gradient of Fe@Enteromorpha/graphene aerogel to enhanced solar evaporation and sterilization. <i>Journal of Materials Chemistry A</i> , 2022, 10, 3750-3759.	10.3	20
137	Tubular polypyrrole enhanced elastomeric biomass foam as a portable interfacial evaporator for efficient self-desalination. <i>Chemical Engineering Journal</i> , 2022, 445, 136701.	12.7	20
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