

# Huaili Zheng

## List of Publications by Year in descending order

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Version: 2024-02-01

183  
papers

7,126  
citations

38660

50  
h-index

82410

72  
g-index

185  
all docs

185  
docs citations

185  
times ranked

4662  
citing authors

#	ARTICLE	IF	CITATIONS
1	Research Progress on Indoor VOC Pollution and Control. <i>Mini-Reviews in Organic Chemistry</i> , 2023, 20, 124-135.	0.6	1
2	Enhanced selective adsorption of lead(II) from complex wastewater by DTPA functionalized chitosan-coated magnetic silica nanoparticles based on anion-synergism. <i>Journal of Hazardous Materials</i> , 2022, 422, 126856.	6.5	54
3	Chitin-biocalcium as a novel superior composite for ciprofloxacin removal: Synergism of adsorption and flocculation. <i>Journal of Hazardous Materials</i> , 2022, 423, 126917.	6.5	27
4	Tapping into the super power and magic appeal of ultrasound coupled with EDTA on degradation of 2,4,6-TCP by FeO based advanced oxidation processes. <i>Chemosphere</i> , 2022, 288, 132650.	4.2	5
5	Functionalized chitosan-magnetic flocculants for heavy metal and dye removal modeled by an artificial neural network. <i>Separation and Purification Technology</i> , 2022, 282, 120002.	3.9	17
6	Efficient removal of both positively and negatively charged colloidal contaminants using amphoteric starch-based flocculants synthesized by low-pressure UV initiation. <i>Separation and Purification Technology</i> , 2022, 282, 120120.	3.9	13
7	Evaluating the performance of bridging-assembly chelating flocculant for heavy metals removal: Role of branched architectures. <i>Chemosphere</i> , 2022, 289, 133260.	4.2	8
8	Copper oxide nanoparticles removal by coagulation and optimization by matterâ€‘element analysis model. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107096.	3.3	1
9	Synergetic removal of oppositely charged dyes by co-precipitation and amphoteric self-floating capturer: Mechanism investigation by molecular simulation. <i>Chemosphere</i> , 2022, 296, 134033.	4.2	24
10	Floating-separation adsorbent for methylene blue and Pb(II) removal: Structure construction and adsorption mechanism. <i>Separation and Purification Technology</i> , 2022, 295, 121332.	3.9	9
11	Electrically supported mediator Co(II)-activated peroxydisulfate synergistic process for organic contaminants elimination. <i>Environmental Research</i> , 2022, 214, 113778.	3.7	5
12	Activation of MnFe <sub>2</sub> O <sub>4</sub> by sulfite for fast and efficient removal of arsenic(III) at circumneutral pH: Involvement of Mn(III). <i>Journal of Hazardous Materials</i> , 2021, 403, 123623.	6.5	36
13	Insight to peroxone-Fe(III) joint conditioning-horizontal electro-dewatering process on water reduction in activated sludge: Performance and mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 402, 123441.	6.5	20
14	Adsorption behavior of heavy metal ions on a polymer-immobilized amphoteric biosorbent: Surface interaction assessment. <i>Journal of Hazardous Materials</i> , 2021, 403, 123801.	6.5	58
15	Insights into the glyphosate removal efficiency by using magnetic powder activated carbon composite. <i>Separation and Purification Technology</i> , 2021, 254, 117662.	3.9	32
16	Effect of fine structure of chitosan-based flocculants on the flocculation of bentonite and humic acid: Evaluation and modeling. <i>Chemosphere</i> , 2021, 264, 128525.	4.2	21
17	Magnetic phosphorylated chitosan composite as a novel adsorbent for highly effective and selective capture of lead from aqueous solution. <i>Journal of Hazardous Materials</i> , 2021, 405, 124195.	6.5	32
18	Application of coagulation/flocculation in oily wastewater treatment: A review. <i>Science of the Total Environment</i> , 2021, 765, 142795.	3.9	368

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19	Simultaneously promoted reactive manganese species and hydroxyl radical generation by electro-permanganate with low additive ozone. <i>Water Research</i> , 2021, 189, 116623.	5.3	43
20	Efficient removal of diclofenac from surface water by the functionalized multilayer magnetic adsorbent: Kinetics and mechanism. <i>Science of the Total Environment</i> , 2021, 760, 144307.	3.9	47
21	Combination of bacitracin-based flocculant and surface enhanced Raman scattering labels for flocculation, identification and sterilization of multiple bacteria in water treatment. <i>Journal of Hazardous Materials</i> , 2021, 407, 124389.	6.5	13
22	A microblock structure type of anionic flocculant for hematite wastewater treatment: template copolymerization mechanism and enhanced flocculation effect. <i>Environmental Science and Pollution Research</i> , 2021, 28, 1933-1947.	2.7	4
23	Strategy for the advanced treatment of simulated tail water of dyeing wastewater based on a short-cut photocatalysis/algal degradation hybrid technology. <i>Environmental Science and Pollution Research</i> , 2021, 28, 31470-31478.	2.7	1
24	Research on a new cationic polyacrylamide (CPAM) with a cationic microblock structure and its enhanced effect on sludge condition and dewatering. <i>Environmental Science and Pollution Research</i> , 2021, 28, 51865-51878.	2.7	9
25	Magnetic flocculation of Cu(II) wastewater by chitosan-based magnetic composite flocculants with recyclable properties. <i>Carbohydrate Polymers</i> , 2021, 261, 117891.	5.1	24
26	Sulfite-assisted oxidation/adsorption coupled with a TiO <sub>2</sub> supported CuO composite for rapid arsenic removal: Performance and mechanistic studies. <i>Journal of Hazardous Materials</i> , 2021, 413, 125449.	6.5	36
27	Flocculation of heavy metal by functionalized starch-based bioflocculants: Characterization and process evaluation. <i>Separation and Purification Technology</i> , 2021, 267, 118628.	3.9	31
28	Biopolymer-based flocculants: a review of recent technologies. <i>Environmental Science and Pollution Research</i> , 2021, 28, 46934-46963.	2.7	61
29	Amphiphilic magnetic copolymer for enhanced removal of anionic dyes: Fabrication, application and adsorption mechanism. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 623, 126674.	2.3	7
30	Dual Functions of a Au@AgNP-Incorporated Nanocomposite Desalination Membrane with an Enhanced Antifouling Property and Fouling Detection Via Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 46202-46212.	4.0	10
31	Role of driven approach on the piezoelectric ozonation processes: Comparing ultrasound with hydro-energy as driving forces. <i>Journal of Hazardous Materials</i> , 2021, 418, 126392.	6.5	13
32	Ciprofloxacin removal by ultrasound-enhanced carbon nanotubes/permanganate process: In situ generation of free reactive manganese species via electron transfer. <i>Water Research</i> , 2021, 202, 117393.	5.3	37
33	The graceful art, significant function and wide application behavior of ultrasound research and understanding in carbamazepine (CBZ) enhanced removal and degradation by FeO/PDS/US. <i>Chemosphere</i> , 2021, 278, 130368.	4.2	23
34	Low-pressure UV-initiated synthesis of cationic starch-based flocculant with high flocculation performance. <i>Carbohydrate Polymers</i> , 2021, 273, 118379.	5.1	18
35	Permanganate release from silica-based hollow mesoporous coagulant combined with UV for spatiotemporal enrichment and degradation of diclofenac sodium. <i>Chemosphere</i> , 2021, 284, 131306.	4.2	3
36	Enhanced coagulation for TiO <sub>2</sub> -NPs removal by using a hybrid flocculant. <i>Separation and Purification Technology</i> , 2021, 277, 119480.	3.9	7

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37	Comparison of two cationic chitosan-based flocculants prepared by photocatalysis and photoinitiation systems: Synthesis mechanism, structure and performance in water treatment. Separation and Purification Technology, 2021, 279, 119670.	3.9	2
38	Conformational Equilibria of 2-Methoxypyridine...CO <sub>2</sub> : Cooperative and Competitive Tetrel and Weak Hydrogen Bonds. ChemPhysChem, 2021, 22, 154-159.	1.0	6
39	Assessment of a novel nanostructured flocculant with elevated flocculation and antimicrobial activity. Chemosphere, 2020, 239, 124736.	4.2	16
40	Sterilization by flocculants in drinking water treatment. Chemical Engineering Journal, 2020, 382, 122961.	6.6	26
41	Structural design of magnetic biosorbents for the removal of ciprofloxacin from water. Bioresource Technology, 2020, 296, 122288.	4.8	64
42	The role of sulfonated chitosan-based flocculant in the treatment of hematite wastewater containing heavy metals. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 585, 124070.	2.3	32
43	Simultaneous removal of cationic and anionic heavy metal contaminants from electroplating effluent by hydrotalcite adsorbent with disulfide ( $Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td$ (xmlns:mml="http://www.wiley.com/terms-and-conditions") on Wiley Online Library for rules of use; OA articles are governed by the applicable Creative Commons License). Journal of Hazardous Materials, 2020, 382, 121111.	6.5	48
44	Functioned hollow glass microsphere as a self-floating adsorbent: Rapid and high-efficient removal of anionic dye. Journal of Hazardous Materials, 2020, 381, 120971.	6.5	61
45	Fabricating a hydrophobic modified flocculant through UVC irradiation initiation for metalworking wastewater treatment. Chemical Engineering Research and Design, 2020, 153, 220-232.	2.7	10
46	Characterization and sludge dewaterability evaluation of a chitosan-based flocculant CMCTS-g-PAM. Water and Environment Journal, 2020, 34, 390-400.	1.0	2
47	Two-step synthesis of a single-layer grafting self-floating adsorbent for anionic dyes adsorption, surface separation and concentration. Journal of Hazardous Materials, 2020, 384, 121262.	6.5	30
48	Roles of functional microbial flocculant in dyeing wastewater treatment: Bridging and adsorption. Journal of Hazardous Materials, 2020, 384, 121506.	6.5	72
49	Magnetic Template Anion Polyacrylamide-Polydopamine-Fe <sub>3</sub> O <sub>4</sub> Combined with Ultraviolet/H <sub>2</sub> O <sub>2</sub> for the Rapid Enrichment and Degradation of Diclofenac Sodium from Aqueous Environment. Polymers, 2020, 12, 72.	2.0	4
50	Performance evaluation and optimization of flocculation process for removing heavy metal. Chemical Engineering Journal, 2020, 385, 123911.	6.6	104
51	Efficient removal of Cu(II) organic complexes by polymer-supported, nanosized, and hydrated Fe(III) oxides through a Fenton-like process. Journal of Hazardous Materials, 2020, 386, 121969.	6.5	27
52	Urea-assisted one-step fabrication of a novel nitrogen-doped carbon fiber aerogel from cotton as metal-free catalyst in peroxymonosulfate activation for efficient degradation of carbamazepine. Chemical Engineering Journal, 2020, 386, 124015.	6.6	67
53	Novel anionic polyacrylamide-modify-chitosan magnetic composite nanoparticles with excellent adsorption capacity for cationic dyes and pH-independent adsorption capability for metal ions. Chemical Engineering Journal, 2020, 392, 123706.	6.6	169
54	Synthesis of novel chitosan-based flocculants with amphiphilic structure and its application in sludge dewatering: Role of hydrophobic groups. Journal of Cleaner Production, 2020, 249, 119350.	4.6	51

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55	Effective treatment of residue of acrylic acid production using a fluidâ€bed/fixedâ€bed system with low energy consumption. <i>Water Environment Research</i> , 2020, 92, 865-872.	1.3	0
56	Synthesis and characterization of a novel cationic polyacrylamide-based flocculants to remove Congo red efficiently in acid aqueous environment. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 18832-18843.	1.1	8
57	Sulfonic acid-modified polyacrylamide magnetic composite with wide pH applicability for efficient removal of cationic dyes. <i>Journal of Molecular Liquids</i> , 2020, 319, 114161.	2.3	17
58	In Situ Regeneration of Phenol-Saturated Activated Carbon Fiber by an Electro-peroxymonosulfate Process. <i>Environmental Science &amp; Technology</i> , 2020, 54, 10944-10953.	4.6	58
59	Functionalized Carbon Nanotube-Mediated Transport in Membranes Containing Fixed-Site Carriers for Fast Pervaporation Desalination. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 50918-50928.	4.0	13
60	Ozone catalytic oxidation capacity of Tiâ€Co@Al <sub>2</sub> O <sub>3</sub> for the treatment of biochemical tail water from the coal chemical industry. <i>Water Environment Research</i> , 2020, 92, 1283-1292.	1.3	7
61	Enhanced municipal sludge dewaterability using an amphiphilic microblocked cationic polyacrylamide synthesized through ultrasonic-initiation: Copolymerization and flocculation mechanisms. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 594, 124645.	2.3	25
62	Flocculation activity and evaluation of chitosan-based flocculant CMCTS-g-P(AM-CA) for heavy metal removal. <i>Separation and Purification Technology</i> , 2020, 241, 116737.	3.9	50
63	Effects of acid, acid-ZVI/PMS, Fe(II)/PMS and ZVI/PMS conditioning on the wastewater activated sludge (WAS) dewaterability and extracellular polymeric substances (EPS). <i>Journal of Environmental Sciences</i> , 2020, 91, 73-84.	3.2	42
64	Enhanced removal of tris(2-chloroethyl) phosphate using a resin-based nanocomposite hydrated iron oxide through a Fenton-like process: Capacity evaluation and pathways. <i>Water Research</i> , 2020, 175, 115655.	5.3	41
65	Preparation of a graft modified flocculant based on chitosan by ultrasonic initiation and its synergistic effect with kaolin for the improvement of acid blue 83 (AB 83) removal. <i>International Journal of Biological Macromolecules</i> , 2020, 150, 617-630.	3.6	36
66	Relationship between the structure of chitosan-based flocculants and their performances in the treatment of model azo dyeing wastewater. <i>Chemosphere</i> , 2020, 247, 125920.	4.2	23
67	Efficient cationic flocculant MHCS-g-P(AM-DAC) synthesized by UV-induced polymerization for algae removal. <i>Separation and Purification Technology</i> , 2019, 210, 10-19.	3.9	53
68	Enhanced adsorption of Orange G from aqueous solutions by quaternary ammonium group-rich magnetic nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123746.	2.3	35
69	Rapid removal of diclofenac in aqueous solution by soluble Mn(III) (aq) generated in a novel Electro-activated carbon fiber-permanganate (E-ACF-PM) process. <i>Water Research</i> , 2019, 165, 114975.	5.3	45
70	Novel chitosan-based flocculants for chromium and nickle removal in wastewater via integrated chelation and flocculation. <i>Journal of Environmental Management</i> , 2019, 248, 109241.	3.8	56
71	Efficient Removal of TiO <sub>2</sub> Nanoparticles by Enhanced Flocculationâ€Coagulation. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 14528-14537.	1.8	24
72	Better understanding the polymerization kinetics of ultrasonic-template method and new insight on sludge floc characteristics research. <i>Science of the Total Environment</i> , 2019, 689, 546-556.	3.9	23

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73	Ultrasound-assisted synthesis of the $\beta$ -cyclodextrin based cationic polymeric flocculants and evaluation of flocculation performance: Role of $\beta$ -cyclodextrin. Separation and Purification Technology, 2019, 228, 115735.	3.9	23
74	Simultaneous adsorption and reduction of hexavalent chromium on the poly(4-vinyl pyridine) decorated magnetic chitosan biopolymer in aqueous solution. Bioresource Technology, 2019, 293, 122038.	4.8	53
75	Generation of Active Mn(III) by a Novel Heterogeneous Electro-permanganate Process with Manganese(II) as Promoter and Stabilizer. Environmental Science & Technology, 2019, 53, 9063-9072.	4.6	57
76	Hydrophobic modification of cationic microblocked polyacrylamide and its enhanced flocculation performance for oily wastewater treatment. Journal of Materials Science, 2019, 54, 10024-10040.	1.7	31
77	Electrochemical degradation of oxytetracycline by Ti-Sn-Sb/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> three-dimensional electrodes. Journal of Environmental Management, 2019, 241, 22-31.	3.8	51
78	Use of a floating adsorbent to remove dyes from water: A novel efficient surface separation method. Journal of Hazardous Materials, 2019, 375, 138-148.	6.5	55
79	Degradation of chloramphenicol using Ti-Sb/attapulgite ceramsite particle electrodes. Water Environment Research, 2019, 91, 756-769.	1.3	12
80	Optimization and mechanism of Acid Orange 7 removal by powdered activated carbon coupled with persulfate by response surface method. Water Science and Technology, 2019, 79, 1195-1205.	1.2	14
81	Variations in macro and micro physicochemical properties of activated sludge under a moderate oxidation-in situ coagulation conditioning: Relationship between molecular structure and dewaterability. Water Research, 2019, 155, 245-254.	5.3	87
82	Characterization and flocculation evaluation of a novel carboxylated chitosan modified flocculant by UV initiated polymerization. Carbohydrate Polymers, 2019, 208, 213-220.	5.1	49
83	Modified magnetic chitosan microparticles as novel superior adsorbents with huge force field for capturing food dyes. Journal of Hazardous Materials, 2019, 367, 492-503.	6.5	54
84	Performance evaluation of chitosan-based flocculants with good pH resistance and high heavy metals removal capacity. Separation and Purification Technology, 2019, 215, 208-216.	3.9	82
85	Degradation of emerging contaminants by Co (III) ions in situ generated on anode surface in aqueous solution. Chemosphere, 2019, 221, 543-553.	4.2	17
86	Evaluation a self-assembled anionic polyacrylamide flocculant for the treatment of hematite wastewater: Role of microblock structure. Journal of the Taiwan Institute of Chemical Engineers, 2019, 95, 11-20.	2.7	16
87	Electrocatalytic oxidation of tetracycline by Bi-Sn-Sb/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> three-dimensional particle electrode. Journal of Hazardous Materials, 2019, 370, 24-32.	6.5	95
88	Plasma-induced synthesis of chitosan-polyacrylamide and its flocculation performance for algae removal. Environmental Technology (United Kingdom), 2019, 40, 954-968.	1.2	20
89	Removal of carbamazepine in water by electro-activated carbon fiber-peroxydisulfate: Comparison, optimization, recycle, and mechanism study. Chemical Engineering Journal, 2018, 343, 28-36.	6.6	119
90	Magnetic micro-particle conditioning pressurized vertical electro-osmotic dewatering (MPEOD) of activated sludge: Role and behavior of moisture and organics. Journal of Environmental Sciences, 2018, 74, 147-158.	3.2	22

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91	Poly(2-acrylamido-2-methylpropane sulfonic acid) grafted magnetic chitosan microspheres: Preparation, characterization and dye adsorption. <i>International Journal of Biological Macromolecules</i> , 2018, 112, 648-655.	3.6	48
92	Effective sludge dewatering technique using the combination of Fenton's reagent and CPAM. <i>Canadian Journal of Chemical Engineering</i> , 2018, 96, 1256-1263.	0.9	14
93	The investigation of the specific behavior of a cationic block structure and its excellent flocculation performance in high-turbidity water treatment. <i>RSC Advances</i> , 2018, 8, 15119-15133.	1.7	19
94	Using ultrasonic (US)-initiated template copolymerization for preparation of an enhanced cationic polyacrylamide (CPAM) and its application in sludge dewatering. <i>Ultrasonics Sonochemistry</i> , 2018, 44, 53-63.	3.8	45
95	Rapid and efficient removal of heavy metal and cationic dye by carboxylate-rich magnetic chitosan flocculants: Role of ionic groups. <i>Carbohydrate Polymers</i> , 2018, 181, 327-336.	5.1	109
96	In-situ pre-concentration through repeated sampling and pyrolysis for ultrasensitive determination of thallium in drinking water by electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2018, 179, 86-91.	2.9	16
97	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.	3.8	55
98	Variations of moisture and organics in activated sludge during Fe <sub>0</sub> /S <sub>2</sub> O <sub>8</sub> <sup>2-</sup> conditioning of horizontal electro-dewatering process. <i>Water Research</i> , 2018, 129, 83-93.	5.3	60
99	An Effective Flocculation Method to the Kaolin Wastewater Treatment by a Cationic Polyacrylamide (CPAM): Preparation, Characterization, and Flocculation Performance. <i>International Journal of Polymer Science</i> , 2018, 2018, 1-12.	1.2	8
100	Synthesis and characterization of salen-Ti(IV) complex and application in the controllable polymerization of D, L-lactide. <i>PLoS ONE</i> , 2018, 13, e0201054.	1.1	4
101	Polymer-Functionalized Magnetic Nanoparticles: Synthesis, Characterization, and Methylene Blue Adsorption. <i>Materials</i> , 2018, 11, 1312.	1.3	39
102	Review of the Template Copolymerization of Cationic Polyacrylamide. <i>Mini-Reviews in Organic Chemistry</i> , 2018, 15, 141-147.	0.6	5
103	Characterization and sludge dewatering performance evaluation of the photo-initiated cationic flocculant PDD. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018, 93, 253-262.	2.7	25
104	Synthesis of novel modified magnetic chitosan particles and their adsorption performance toward Cr(VI). <i>Bioresource Technology</i> , 2018, 267, 1-8.	4.8	86
105	Synthesis and Characterization of Ampholytic Flocculant CPCTS-g-P (CTA-DMDAAC) and Its Flocculation Properties for <i>Microcystis Aeruginosa</i> Removal. <i>Processes</i> , 2018, 6, 54.	1.3	14
106	Synthesis of a cationic polyacrylamide by a photocatalytic surface-initiated method and evaluation of its flocculation and dewatering performance: nano-TiO <sub>2</sub> as a photo initiator. <i>RSC Advances</i> , 2018, 8, 28329-28340.	1.7	13
107	Evaluation of a novel dextran-based flocculant on treatment of dye wastewater: Effect of kaolin particles. <i>Science of the Total Environment</i> , 2018, 640-641, 243-254.	3.9	81
108	A novel carboxyl-rich chitosan-based polymer and its application for clay flocculation and cationic dye removal. <i>Science of the Total Environment</i> , 2018, 640-641, 107-115.	3.9	71

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109	Effective treatment of high phosphorus pharmaceutical wastewater by chemical precipitation. Canadian Journal of Chemical Engineering, 2017, 95, 1585-1593.	0.9	22
110	Characterization and coagulation behavior of polymeric aluminum ferric silicate for high-concentration oily wastewater treatment. Chemical Engineering Research and Design, 2017, 119, 23-32.	2.7	92
111	Effects of papermaking sludge-based polymer on coagulation behavior in the disperse and reactive dyes wastewater treatment. Bioresource Technology, 2017, 240, 59-67.	4.8	56
112	Formation of cationic hydrophobic micro-blocks in P(AM-DMC) by template assembly: characterization and application in sludge dewatering. RSC Advances, 2017, 7, 6114-6122.	1.7	24
113	Enhancement of textile-dyeing sludge dewaterability using a novel cationic polyacrylamide: role of cationic block structures. RSC Advances, 2017, 7, 11626-11635.	1.7	22
114	Plasma-initiated polymerization of chitosan-based CS-g-P(AM-DMDAAC) flocculant for the enhanced flocculation of low-algal-turbidity water. Carbohydrate Polymers, 2017, 164, 222-232.	5.1	93
115	Fabricating an enhanced sterilization chitosan-based flocculants: Synthesis, characterization, evaluation of sterilization and flocculation. Chemical Engineering Journal, 2017, 319, 119-130.	6.6	75
116	Interactions of specific extracellular organic matter and polyaluminum chloride and their roles in the algae-polluted water treatment. Journal of Hazardous Materials, 2017, 332, 1-9.	6.5	60
117	Characterization of an inorganic polymer coagulant and coagulation behavior for humic acid/algae-polluted water treatment: polymeric zinc ferric silicate sulfate coagulant. RSC Advances, 2017, 7, 19856-19862.	1.7	9
118	UV-initiated polymerization of acid- and alkali-resistant cationic flocculant P(AM-MAPTAC): Synthesis, characterization, and application in sludge dewatering. Separation and Purification Technology, 2017, 187, 244-254.	3.9	52
119	Fabricating an anionic polyacrylamide (APAM) with an anionic block structure for high turbidity water separation and purification. RSC Advances, 2017, 7, 28918-28930.	1.7	40
120	Advanced treatment of actual textile dye wastewater by Fenton flocculation process. Canadian Journal of Chemical Engineering, 2017, 95, 1245-1252.	0.9	43
121	Optimized preparation of micro-block CPAM by response surface methodology and evaluation of dewatering performance. RSC Advances, 2017, 7, 208-217.	1.7	23
122	La <sup>3+</sup> /La(OH) <sub>3</sub> loaded magnetic cationic hydrogel composites for phosphate removal: Effect of lanthanum species and mechanistic study. Water Research, 2017, 126, 433-441.	5.3	209
123	Polymer-grafted magnetic microspheres for enhanced removal of methylene blue from aqueous solutions. RSC Advances, 2017, 7, 47029-47037.	1.7	35
124	Ultrasound-assisted polymerization of P(AM-DMDAAC): Synthesis, characterization and sludge dewatering performance. Journal of Environmental Chemical Engineering, 2017, 5, 5439-5447.	3.3	29
125	Fabrication of Tannin-Based Dithiocarbamate Biosorbent and Its Application for Ni(II) Ion Removal. Water, Air, and Soil Pollution, 2017, 228, 1.	1.1	15
126	Ultrasonic-template technology inducing and regulating cationic microblocks in CPAM: characterization, mechanism and sludge flocculation performance. RSC Advances, 2017, 7, 23444-23456.	1.7	22



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127	UV-initiated synthesis of a novel chitosan-based flocculant with high flocculation efficiency for algal removal. <i>Science of the Total Environment</i> , 2017, 609, 410-418.	3.9	63
128	A novel preparation method of polyaluminum chloride/polyacrylamide composite coagulant: Composition and characteristic. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	1.3	9
129	UV-initiated template copolymerization of AM and MAPTAC: Microblock structure, copolymerization mechanism, and flocculation performance. <i>Chemosphere</i> , 2017, 167, 71-81.	4.2	63
130	Improvement of Sludge Dewaterability by Ultrasound-Initiated Cationic Polyacrylamide with Microblock Structure: The Role of Surface-Active Monomers. <i>Materials</i> , 2017, 10, 282.	1.3	16
131	Effect of the Cationic Block Structure on the Characteristics of Sludge Floccs Formed by Charge Neutralization and Patching. <i>Materials</i> , 2017, 10, 487.	1.3	33
132	Waste activated sludge (WAS) dewatering properties of an original hydrophobically modified polyacrylamide containing a cationic microblock structure. <i>RSC Advances</i> , 2017, 7, 28733-28745.	1.7	26
133	Floc structural characteristics of ferrum-polymer dual-coagulant for treatment of synthetic dyes wastewater: effect of solution pH, hardness and ionic strength. <i>RSC Advances</i> , 2016, 6, 94851-94858.	1.7	4
134	Effect of fresh aluminum hydroxide gels on algae removal from micro-polluted water by polyaluminum chloride coagulant. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 63, 195-201.	2.7	12
135	Investigation of sludge conditioning performance and mechanism by examining the effect of charge density on cationic polyacrylamide microstructure. <i>Desalination and Water Treatment</i> , 2016, 57, 12988-12997.	1.0	9
136	UV-Initiated Graft Copolymerization of Cationic Chitosan-Based Flocculants for Treatment of Zinc Phosphate-Contaminated Wastewater. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 10025-10035.	1.8	68
137	Template Polymerization of a Novel Cationic Polyacrylamide: Sequence Distribution, Characterization, and Flocculation Performance. <i>Industrial &amp; Engineering Chemistry Research</i> , 2016, 55, 9819-9828.	1.8	37
138	Electric field induced activated carbon fiber (ACF) cathode transition from an initiator/a promoter into an electrocatalyst in ozonation process. <i>Chemical Engineering Journal</i> , 2016, 304, 129-133.	6.6	43
139	Comparison of initiation methods in the structure of CPAM and sludge floccs properties. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	1.3	20
140	A combined process of chemical precipitation and flocculation for treating phosphating wastewater. <i>Desalination and Water Treatment</i> , 2016, 57, 25520-25531.	1.0	5
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