

Zhimin Qiang

List of Publications by Year in descending order

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169
papers

7,966
citations

41258

49
h-index

62479

80
g-index

169
all docs

169
docs citations

169
times ranked

7289
citing authors

#	ARTICLE	IF	CITATIONS
1	The Ultrafiltration Process Enhances Antibiotic Removal in the Full-Scale Advanced Treatment of Drinking Water. <i>Engineering</i> , 2023, 28, 16-20.	3.2	4
2	Interactions between H ₂ O ₂ and dissolved organic matter during granular activated carbon-based residual H ₂ O ₂ quenching from the upstream UV/H ₂ O ₂ process. <i>Journal of Environmental Sciences</i> , 2023, 128, 139-149.	3.2	3
3	Removal of recalcitrant organics in reverse osmosis concentrate from coal chemical industry by UV/H ₂ O ₂ and UV/PDS: Efficiency and kinetic modeling. <i>Chemosphere</i> , 2022, 287, 131999.	4.2	8
4	A review of the fluence determination methods for UV reactors: Ensuring the reliability of UV disinfection. <i>Chemosphere</i> , 2022, 286, 131488.	4.2	17
5	Insights into capture-inactivation/oxidation of antibiotic resistance bacteria and cell-free antibiotic resistance genes from waters using flexibly-functionalized microbubbles. <i>Journal of Hazardous Materials</i> , 2022, 428, 128249.	6.5	6
6	Organic pollutant degradation by UV/peroxydisulfate process: Impacts of UV light source and phosphate buffer. <i>Chemosphere</i> , 2022, 292, 133387.	4.2	7
7	Is Mn(III) a principal oxidant for trace organic contaminant abatement in permanganate/bisulfate process?. <i>Chemical Engineering Journal</i> , 2022, 433, 134548.	6.6	4
8	Metabonomic and transcriptomic modulations of HepG2 cells induced by the CuO-catalyzed formation of disinfection byproducts from biofilm extracellular polymeric substances in copper pipes. <i>Water Research</i> , 2022, 216, 118318.	5.3	2
9	The elimination of cell-associated and non-cell-associated antibiotic resistance genes during membrane filtration processes: A review. <i>Science of the Total Environment</i> , 2022, 833, 155250.	3.9	9
10	Morphologically-different cells and colonies cause distinctive performance of coagulative colloidal ozone microbubbles in simultaneously removing bloom-forming cyanobacteria and microcystin-LR. <i>Journal of Hazardous Materials</i> , 2022, 435, 128986.	6.5	3
11	Unraveling the multiple roles of VUV mediated hydroxyl radical in VUV/UV/chlorine process: Kinetic simulation, mechanistic consideration and byproducts formation. <i>Chemical Engineering Journal</i> , 2022, 446, 137066.	6.6	14
12	Facilely tuning the intrinsic catalytic sites of the spinel oxide for peroxymonosulfate activation: From fundamental investigation to pilot-scale demonstration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	52
13	Micropollutant degradation by UV/H ₂ O ₂ in drinking water: Facilitated prediction through combination of model simulation and portable measurement. <i>Water Research</i> , 2022, 221, 118794.	5.3	10
14	Nitrogen removal mechanism of marine anammox bacteria treating nitrogen-laden saline wastewater in response to ultraviolet (UV) irradiation: High UV tolerance and microbial community shift. <i>Bioresource Technology</i> , 2021, 320, 124325.	4.8	13
15	Transformation of iopamidol and atrazine by peroxymonosulfate under catalysis of a composite iron corrosion product (Fe/Fe ₃ O ₄): Electron transfer, active species and reaction pathways. <i>Journal of Hazardous Materials</i> , 2021, 403, 123553.	6.5	25
16	Removal of micron-scale microplastic particles from different waters with efficient tool of surface-functionalized microbubbles. <i>Journal of Hazardous Materials</i> , 2021, 404, 124095.	6.5	60
17	Formation of carbonaceous and nitrogenous iodinated disinfection byproducts from biofilm extracellular polymeric substances by the oxidation of iodide-containing waters with lead dioxide. <i>Water Research</i> , 2021, 188, 116551.	5.3	14
18	Effective abatement of 29 pesticides in full-scale advanced treatment processes of drinking water: From concentration to human exposure risk. <i>Journal of Hazardous Materials</i> , 2021, 403, 123986.	6.5	35

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19	Insights into microbial community variability and functional genes of various Candidatus Scalindua-based anammox processes treating nitrogen-rich saline wastewater. <i>Science of the Total Environment</i> , 2021, 766, 142544.	3.9	6
20	Impacts of wastewater treatment plant upgrades on the distribution and risks of pharmaceuticals in receiving rivers. <i>Journal of Hazardous Materials</i> , 2021, 406, 124331.	6.5	22
21	Sulfate radical-based advanced oxidation processes for industrial wastewater treatment. , 2021, , 431-462.		2
22	Deciphering nitrogen removal mechanism through marine anammox bacteria treating nitrogen-laden saline wastewater under various phosphate doses: Microbial community shift and phosphate crystal. <i>Bioresource Technology</i> , 2021, 325, 124707.	4.8	12
23	Reduction of bromate by zero valent iron (ZVI) enhances formation of brominated disinfection by-products during chlorination. <i>Chemosphere</i> , 2021, 268, 129340.	4.2	8
24	Dimethoate degradation by VUV/UV process: Kinetics, mechanism and economic feasibility. <i>Chemosphere</i> , 2021, 273, 129724.	4.2	16
25	Removal of disinfection by-product precursors in drinking water treatment processes: Is fluorescence parallel factor analysis a promising indicator?. <i>Journal of Hazardous Materials</i> , 2021, 418, 126298.	6.5	16
26	Tracking spatio-temporal dynamics of fluorescence characteristics of Huangpu River, China by parallel factor analysis: Correlation with disinfection by-product precursor and pesticide level variations. <i>Chemosphere</i> , 2021, 283, 131198.	4.2	15
27	Formation control of bromate and trihalomethanes during ozonation of bromide-containing water with chemical addition: Hydrogen peroxide or ammonia?. <i>Journal of Environmental Sciences</i> , 2021, 110, 111-118.	3.2	1
28	Degradation of micropollutants in flow-through VUV/UV/H ₂ O ₂ reactors: Effects of H ₂ O ₂ dosage and reactor internal diameter. <i>Journal of Environmental Sciences</i> , 2021, 110, 28-37.	3.2	11
29	30th Anniversary of the key laboratory of drinking water science and technology: Preface. <i>Journal of Environmental Sciences</i> , 2021, 110, 1.	3.2	0
30	Disinfection by-product (DBP) research in China: Are we on the track?. <i>Journal of Environmental Sciences</i> , 2021, 110, 99-110.	3.2	28
31	Modeling iron release from cast iron pipes in an urban water distribution system caused by source water switch. <i>Journal of Environmental Sciences</i> , 2021, 110, 73-83.	3.2	15
32	Revealing photon transmission in an ultraviolet reactor: Advanced approaches for measuring fluence rate distribution in water for model validation. <i>Journal of Environmental Sciences</i> , 2021, 110, 169-177.	3.2	2
33	Activation of organic chloramine by UV photolysis: A non-negligible oxidant for micro-pollutant abatement and disinfection by-product formation. <i>Water Research</i> , 2021, 207, 117795.	5.3	11
34	Impact of carrier on ammonia and organics removal from zero-discharge marine recirculating aquaculture system with sequencing batch biofilm reactor (SBBR). <i>Environmental Science and Pollution Research</i> , 2020, 27, 34614-34623.	2.7	6
35	Improvement of UV disinfection reactor performance by ring baffles: The matching between the hydrodynamics and UV radiation. <i>Chemical Engineering Journal</i> , 2020, 379, 122381.	6.6	19
36	Regioselective oxidation of tetracycline by permanganate through alternating susceptible moiety and increasing electron donating ability. <i>Journal of Environmental Sciences</i> , 2020, 87, 281-288.	3.2	17

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37	Why does dissolved oxygen govern Mn(III) formation and micro-pollutant abatement in the permanganate/bisulfite process?. <i>Chemical Engineering Journal</i> , 2020, 391, 123556.	6.6	12
38	UV activated monochloramine promotes metribuzin degradation and disinfection by-products formation. <i>Chemical Engineering Journal</i> , 2020, 385, 123846.	6.6	28
39	Methylene blue degradation by the VUV/UV/persulfate process: Effect of pH on the roles of photolysis and oxidation. <i>Journal of Hazardous Materials</i> , 2020, 391, 121855.	6.5	61
40	Occurrence, source estimation and risk assessment of pharmaceuticals in the Chaobai River characterized by adjacent land use. <i>Science of the Total Environment</i> , 2020, 712, 134525.	3.9	34
41	Kinetic and mechanistic insights into the abatement of clofibric acid by integrated UV/ozone/peroxydisulfate process: A modeling and theoretical study. <i>Water Research</i> , 2020, 186, 116336.	5.3	37
42	Enhanced formation of carbonaceous and nitrogenous disinfection byproducts from biofilm extracellular polymeric substances undercatalysis of copper corrosion products. <i>Science of the Total Environment</i> , 2020, 723, 138160.	3.9	23
43	Removal of antibiotic resistance genes in pig manure composting influenced by inoculation of compound microbial agents. <i>Bioresource Technology</i> , 2020, 317, 123966.	4.8	33
44	Occurrences of 29 pesticides in the Huangpu River, China: Highest ecological risk identified in Shanghai metropolitan area. <i>Chemosphere</i> , 2020, 251, 126411.	4.2	71
45	Accelerated oxidation of iopamidol by ozone/peroxymonosulfate (O ₃ /PMS) process: Kinetics, mechanism, and simultaneous reduction of iodinated disinfection by-product formation potential. <i>Water Research</i> , 2020, 173, 115615.	5.3	77
46	Organic Amines Enhance the Formation of Iodinated Trihalomethanes during Chlorination of Iodide-Containing Waters. <i>Environmental Science & Technology</i> , 2020, 54, 4651-4657.	4.6	19
47	The profile of antibiotic resistance genes in pig manure composting shaped by composting stage: Mesophilic-thermophilic and cooling-maturation stages. <i>Chemosphere</i> , 2020, 250, 126181.	4.2	65
48	Enhancement of micropollutant degradation in UV/H ₂ O ₂ process via iron-containing coagulants. <i>Water Research</i> , 2020, 172, 115497.	5.3	18
49	Comparison of coagulative colloidal microbubbles with monomeric and polymeric inorganic coagulants for tertiary treatment of distillery wastewater. <i>Science of the Total Environment</i> , 2019, 694, 133649.	3.9	14
50	Effects of reactive oxidants generation and capacitance on photoelectrochemical water disinfection with self-doped titanium dioxide nanotube arrays. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117910.	10.8	34
51	Acidic permanganate oxidation of sulfamethoxazole by stepwise electron-proton transfer. <i>Chemosphere</i> , 2019, 222, 71-82.	4.2	16
52	Efficient elimination and re-growth inhibition of harmful bloom-forming cyanobacteria using surface-functionalized microbubbles. <i>Water Research</i> , 2019, 161, 473-485.	5.3	22
53	Nitrogen removal performance of marine anammox bacteria treating nitrogen-rich saline wastewater under different inorganic carbon doses: High inorganic carbon tolerance and carbonate crystal formation. <i>Bioresource Technology</i> , 2019, 288, 121565.	4.8	21
54	Enhanced nitrogen removal through marine anammox bacteria (MAB) treating nitrogen-rich saline wastewater with Fe(III) addition: Nitrogen shock loading and community structure. <i>Bioresource Technology</i> , 2019, 287, 121405.	4.8	36

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55	Accelerated degradation of pesticide by permanganate oxidation: A comparison of organic and inorganic activations. <i>Chemical Engineering Journal</i> , 2019, 369, 1119-1128.	6.6	19
56	Formation of Iodinated Disinfection Byproducts (I-DBPs) in Drinking Water: Emerging Concerns and Current Issues. <i>Accounts of Chemical Research</i> , 2019, 52, 896-905.	7.6	144
57	Degradation of iodinated disinfection byproducts by VUV/UV process based on a mini-fluidic VUV/UV photoreaction system. <i>Water Research</i> , 2019, 158, 417-423.	5.3	36
58	Insights into the activation of ozonation by hydroxylamine: Influential factors, degradation mechanism and reaction kinetics. <i>Journal of Hazardous Materials</i> , 2019, 373, 600-607.	6.5	19
59	Micropollutant Degradation by the UV/H ₂ O ₂ Process: Kinetic Comparison among Various Radiation Sources. <i>Environmental Science & Technology</i> , 2019, 53, 5241-5248.	4.6	27
60	Organic Pollutant Degradation in Water by the Vacuum-Ultraviolet/Ultraviolet/H ₂ O ₂ Process: Inhibition and Enhancement Roles of H ₂ O ₂ . <i>Environmental Science & Technology</i> , 2019, 53, 912-918.	4.6	42
61	In-situ sludge ozone-reduction process for effective removal of fluoroquinolone antibiotics in wastewater treatment plants. <i>Separation and Purification Technology</i> , 2019, 213, 419-425.	3.9	21
62	Bench- and pilot-scale studies on the removal of pesticides from water by VUV/UV process. <i>Chemical Engineering Journal</i> , 2018, 342, 155-162.	6.6	42
63	Performance of ozonation and biological activated carbon in eliminating sulfonamides and sulfonamide-resistant bacteria: A pilot-scale study. <i>Chemical Engineering Journal</i> , 2018, 341, 327-334.	6.6	25
64	A Green Method to Determine VUV (185Ånm) Fluence Rate Based on Hydrogen Peroxide Production in Aqueous Solution. <i>Photochemistry and Photobiology</i> , 2018, 94, 821-824.	1.3	32
65	Development of economical-running strategy for multi-lamp UV disinfection reactors in secondary water supply systems with computational fluid dynamics simulations. <i>Chemical Engineering Journal</i> , 2018, 343, 317-323.	6.6	14
66	Oxidative removal of quinclorac by permanganate through a rate-limiting [3 + 2] cycloaddition reaction. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 790-797.	1.7	11
67	Accelerated degradation of sulfamethazine in water by VUV/UV photo-Fenton process: Impact of sulfamethazine concentration on reaction mechanism. <i>Journal of Hazardous Materials</i> , 2018, 344, 1181-1187.	6.5	53
68	Impacts of water quality on the corrosion of cast iron pipes for water distribution and proposed source water switch strategy. <i>Water Research</i> , 2018, 129, 428-435.	5.3	85
69	Determination of pKa and the corresponding structures of quinclorac using combined experimental and theoretical approaches. <i>Journal of Molecular Structure</i> , 2018, 1152, 53-60.	1.8	11
70	Effects of bromide and iodide on the chlorination of diclofenac: Accelerated chlorination and enhanced formation of disinfection by-products. <i>Separation and Purification Technology</i> , 2018, 193, 415-420.	3.9	16
71	Ozonation of norfloxacin and levofloxacin in water: Specific reaction rate constants and defluorination reaction. <i>Chemosphere</i> , 2018, 195, 252-259.	4.2	47
72	Occurrence, removal and risk of organic micropollutants in wastewater treatment plants across China: Comparison of wastewater treatment processes. <i>Water Research</i> , 2018, 130, 38-46.	5.3	289

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73	Oxidation of iopamidol with ferrate (Fe(VI)): Kinetics and formation of toxic iodinated disinfection by-products. <i>Water Research</i> , 2018, 130, 200-207.	5.3	40
74	Enhanced performance and kinetics of marine anammox bacteria (MAB) treating nitrogen-rich saline wastewater with Mn(II) and Ni(II) addition. <i>Bioresource Technology</i> , 2018, 249, 1085-1091.	4.8	31
75	Deiodination of iopamidol by zero valent iron (ZVI) enhances formation of iodinated disinfection by-products during chloramination. <i>Water Research</i> , 2018, 129, 319-326.	5.3	31
76	Nitrogen removal through <i>Candidatus Brocadia sinica</i> treating high-salinity and low-temperature wastewater with glycine addition: Enhanced performance and kinetics. <i>Bioresource Technology</i> , 2018, 270, 755-761.	4.8	21
77	Is anammox a promising treatment process for nitrogen removal from nitrogen-rich saline wastewater?. <i>Bioresource Technology</i> , 2018, 270, 722-731.	4.8	84
78	Trace Organic Pollutant Removal by VUV/UV/chlorine Process: Feasibility Investigation for Drinking Water Treatment on a Mini-Fluidic VUV/UV Photoreaction System and a Pilot Photoreactor. <i>Environmental Science & Technology</i> , 2018, 52, 7426-7433.	4.6	35
79	Behavior of tetracycline and macrolide antibiotics in activated sludge process and their subsequent removal during sludge reduction by ozone. <i>Chemosphere</i> , 2018, 206, 184-191.	4.2	79
80	Quinone group enhances the degradation of levofloxacin by aqueous permanganate: Kinetics and mechanism. <i>Water Research</i> , 2018, 143, 109-116.	5.3	51
81	Adsorptive removal of antibiotics from water using magnetic ion exchange resin. <i>Journal of Environmental Sciences</i> , 2017, 52, 111-117.	3.2	82
82	Distribution of antibiotic resistance in the effluents of ten municipal wastewater treatment plants in China and the effect of treatment processes. <i>Chemosphere</i> , 2017, 172, 392-398.	4.2	157
83	An insight into the removal of fluoroquinolones in activated sludge process: Sorption and biodegradation characteristics. <i>Journal of Environmental Sciences</i> , 2017, 56, 263-271.	3.2	89
84	Accelerated degradation of iopamidol in iron activated persulfate systems: Roles of complexing agents. <i>Chemical Engineering Journal</i> , 2017, 316, 288-295.	6.6	85
85	Enhanced degradation of iopamidol by peroxydisulfate catalyzed by two pipe corrosion products (CuO and γ -MnO ₂). <i>Water Research</i> , 2017, 112, 1-8.	5.3	123
86	Experimental Assessment of Photon Fluence Rate Distributions in a Medium-Pressure UV Photoreactor. <i>Environmental Science & Technology</i> , 2017, 51, 3453-3460.	4.6	8
87	Degradation of nitro-based pharmaceuticals by UV photolysis: Kinetics and simultaneous reduction on halonitromethanes formation potential. <i>Water Research</i> , 2017, 119, 83-90.	5.3	32
88	Enhanced Oxidation of Tetracycline by Permanganate via the Alkali-Induced Alteration of the Highest Occupied Molecular Orbital and the Electrostatic Potential. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 4703-4708.	1.8	12
89	Impact of humic acid on the degradation of levofloxacin by aqueous permanganate: Kinetics and mechanism. <i>Water Research</i> , 2017, 123, 67-74.	5.3	101
90	Degradation of chloramphenicol by UV/chlorine treatment: Kinetics, mechanism and enhanced formation of halonitromethanes. <i>Water Research</i> , 2017, 121, 178-185.	5.3	144

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91	VUV/UV light inducing accelerated phenol degradation with a low electric input. RSC Advances, 2017, 7, 7640-7647.	1.7	14
92	Impact of inner-wall reflection on UV reactor performance as evaluated by using computational fluid dynamics: The role of diffuse reflection. Water Research, 2017, 109, 382-388.	5.3	28
93	Experimental Evaluation of Turbidity Impact on the Fluence Rate Distribution in a UV Reactor Using a Microfluorescent Silica Detector. Environmental Science & Technology, 2017, 51, 13241-13247.	4.6	5
94	Transformation and fate of natural estrogens and their conjugates in wastewater treatment plants: Influence of operational parameters and removal pathways. Water Research, 2017, 124, 244-250.	5.3	50
95	Oxidation of sulfonamide antibiotics by chlorine dioxide in water: Kinetics and reaction pathways. Chemical Engineering Journal, 2017, 327, 743-750.	6.6	60
96	On-Site Determination and Monitoring of Real-Time Fluence Delivery for an Operating UV Reactor Based on a True Fluence Rate Detector. Environmental Science & Technology, 2017, 51, 8094-8100.	4.6	11
97	Sulfamethazine degradation in water by the VUV/UV process: Kinetics, mechanism and antibacterial activity determination based on a mini-fluidic VUV/UV photoreaction system. Water Research, 2017, 108, 348-355.	5.3	98
98	Dissemination of antibiotic resistance genes and their potential removal by on-farm treatment processes in nine swine feedlots in Shandong Province, China. Chemosphere, 2017, 167, 262-268.	4.2	62
99	Formation of iodo-trihalomethanes, iodo-acetic acids, and iodo-acetamides during chloramination of iodide-containing waters: Factors influencing formation and reaction pathways. Journal of Hazardous Materials, 2017, 321, 28-36.	6.5	51
100	Promoted oxidation of diclofenac with ferrate (Fe(VI)): Role of ABTS as the electron shuttle. Journal of Hazardous Materials, 2017, 336, 65-70.	6.5	32
101	VUV/UV/Chlorine as an Enhanced Advanced Oxidation Process for Organic Pollutant Removal from Water: Assessment with a Novel Mini-Fluidic VUV/UV Photoreaction System (MVPS). Environmental Science & Technology, 2016, 50, 5849-5856.	4.6	76
102	Enhanced formation of bromate and brominated disinfection byproducts during chlorination of bromide-containing waters under catalysis of copper corrosion products. Water Research, 2016, 98, 302-308.	5.3	34
103	Dissemination of veterinary antibiotics and corresponding resistance genes from a concentrated swine feedlot along the waste treatment paths. Environment International, 2016, 92-93, 317-323.	4.8	99
104	Occurrence and removal of antibiotics in ecological and conventional wastewater treatment processes: A field study. Journal of Environmental Management, 2016, 178, 11-19.	3.8	140
105	Performance and microbial community of simultaneous anammox and denitrification (SAD) process in a sequencing batch reactor. Bioresource Technology, 2016, 218, 1064-1072.	4.8	59
106	Promoted discoloration of methyl orange in H ₂ O ₂ /Fe(III) Fenton system: Effects of gallic acid on iron cycling. Separation and Purification Technology, 2016, 171, 144-150.	3.9	72
107	Configuration optimization of UV reactors for water disinfection with computational fluid dynamics: Feasibility of using particle minimum UV dose as a performance indicator. Chemical Engineering Journal, 2016, 306, 1-8.	6.6	34
108	Accelerated methylene blue (MB) degradation by Fenton reagent exposed to UV or VUV/UV light in an innovative micro photo-reactor. Applied Catalysis B: Environmental, 2016, 187, 83-89.	10.8	89

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109	Inspection of Feasible Calibration Conditions for $\langle \text{scp} \rangle \text{UV} \langle / \text{scp} \rangle$ Radiometer Detectors with the $\langle \text{scp} \rangle \text{KI} \langle / \text{scp} \rangle / \langle \text{scp} \rangle \text{KIO} \langle / \text{scp} \rangle \langle \text{sub} \rangle 3 \langle / \text{sub} \rangle$ Actinometer. <i>Photochemistry and Photobiology</i> , 2015, 91, 68-73.	1.3	13
110	Degradation kinetics and pathways of three calcium channel blockers under UV irradiation. <i>Water Research</i> , 2015, 86, 9-16.	5.3	33
111	Formation and speciation of disinfection byproducts during chlor(am)ination of aquarium seawater. <i>Journal of Environmental Sciences</i> , 2015, 33, 116-124.	3.2	16
112	Formation of disinfection byproducts in a recirculating mariculture system: emerging concerns. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 471-477.	1.7	10
113	Operation performance of an A/A/O process coupled with excess sludge ozonation and phosphorus recovery: A pilot-scale study. <i>Chemical Engineering Journal</i> , 2015, 268, 162-169.	6.6	35
114	Improved Method for Real-Time Fluence Monitoring in UV Reactors. <i>Journal of Environmental Engineering, ASCE</i> , 2015, 141, .	0.7	4
115	Distribution, mass load and environmental impact of multiple-class pharmaceuticals in conventional and upgraded municipal wastewater treatment plants in East China. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 596-605.	1.7	54
116	Cerium incorporated MCM-48 (Ce-MCM-48) as a catalyst to inhibit bromate formation during ozonation of bromide-containing water: Efficacy and mechanism. <i>Water Research</i> , 2015, 86, 2-8.	5.3	37
117	Simultaneous detection of endocrine disrupting chemicals including conjugates in municipal wastewater and sludge with enhanced sample pretreatment and UPLC-MS/MS. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1377-1385.	1.7	17
118	Effects of thermophilic composting on oxytetracycline, sulfamethazine, and their corresponding resistance genes in swine manure. <i>Environmental Sciences: Processes and Impacts</i> , 2015, 17, 1654-1660.	1.7	90
119	UV photolysis kinetics of sulfonamides in aqueous solution based on optimized fluence quantification. <i>Water Research</i> , 2015, 75, 43-50.	5.3	67
120	A Mini-Fluidic UV Photoreaction System for Bench-Scale Photochemical Studies. <i>Environmental Science and Technology Letters</i> , 2015, 2, 297-301.	3.9	8
121	Biodegradation of Sulfamethazine by Activated Sludge: Lab-Scale Study. <i>Journal of Environmental Engineering, ASCE</i> , 2014, 140, .	0.7	11
122	Determination of rapid chlorination rate constants by a stopped-flow spectrophotometric competition kinetics method. <i>Water Research</i> , 2014, 55, 126-132.	5.3	20
123	Degradation of methiocarb by monochloramine in water treatment: Kinetics and pathways. <i>Water Research</i> , 2014, 50, 237-244.	5.3	12
124	Kinetics and mechanism of dimethoate chlorination during drinking water treatment. <i>Chemosphere</i> , 2014, 103, 181-187.	4.2	34
125	UV disinfection of secondary water supply: Online monitoring with micro-fluorescent silica detectors. <i>Chemical Engineering Journal</i> , 2014, 255, 165-170.	6.6	14
126	Rapid detection of multiple class pharmaceuticals in both municipal wastewater and sludge with ultra high performance liquid chromatography tandem mass spectrometry. <i>Journal of Environmental Sciences</i> , 2014, 26, 1949-1959.	3.2	65

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127	Adsorption behavior of sulfamethazine in an activated sludge process treating swine wastewater. <i>Journal of Environmental Sciences</i> , 2014, 26, 1623-1629.	3.2	39
128	Removal of endocrine-disrupting chemicals and conventional pollutants in a continuous-operating activated sludge process integrated with ozonation for excess sludge reduction. <i>Chemosphere</i> , 2014, 105, 133-138.	4.2	18
129	Synthesis of carbon-coated magnetic nanocomposite (Fe ₃ O ₄ @C) and its application for sulfonamide antibiotics removal from water. <i>Journal of Environmental Sciences</i> , 2014, 26, 962-969.	3.2	94
130	A comparison of disinfection by-products formation during sequential or simultaneous disinfection of surface waters with chlorine dioxide and chlor(am)ine. <i>Environmental Technology (United Kingdom)</i> , 2014, 35, 617-624.	1.0	5
131	Methiocarb degradation by free chlorine in water treatment: Kinetics and pathways. <i>Chemical Engineering Journal</i> , 2013, 232, 10-16.	6.6	11
132	Kinetics and mechanism for omethoate degradation by catalytic ozonation with Fe(III)-loaded activated carbon in water. <i>Chemosphere</i> , 2013, 90, 1966-1972.	4.2	27
133	Development of monitored tunable biosimetry for fluence validation in an ultraviolet disinfection reactor. <i>Separation and Purification Technology</i> , 2013, 117, 12-17.	3.9	9
134	Formation of haloacetic acids, halonitromethanes, bromate and iodate during chlorination and ozonation of seawater and saltwater of marine aquaria systems. <i>Chemosphere</i> , 2013, 90, 2485-2492.	4.2	39
135	Degradation of endocrine-disrupting chemicals during activated sludge reduction by ozone. <i>Chemosphere</i> , 2013, 91, 366-373.	4.2	48
136	In situ detailed fluence rate distributions in a UV reactor with multiple low-pressure lamps: Comparison of experimental and model results. <i>Chemical Engineering Journal</i> , 2013, 214, 55-62.	6.6	13
137	Estimating the fluence delivery in UV disinfection reactors using a μ detector-model™ combination method. <i>Chemical Engineering Journal</i> , 2013, 233, 39-46.	6.6	10
138	Development of a tri-parameter online monitoring system for UV disinfection reactors. <i>Chemical Engineering Journal</i> , 2013, 222, 101-107.	6.6	16
139	MCM-48 modified magnetic mesoporous nanocomposite as an attractive adsorbent for the removal of sulfamethazine from water. <i>Water Research</i> , 2013, 47, 4107-4114.	5.3	62
140	A comparison of various rural wastewater treatment processes for the removal of endocrine-disrupting chemicals (EDCs). <i>Chemosphere</i> , 2013, 92, 986-992.	4.2	81
141	Occurrence and partition of antibiotics in the liquid and solid phases of swine wastewater from concentrated animal feeding operations in Shandong Province, China. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 870.	1.7	46
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147	Effect of artificial aeration on the performance of vertical-flow constructed wetland treating heavily polluted river water. <i>Journal of Environmental Sciences</i> , 2012, 24, 596-601.	3.2	129
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