

Yong-kui Yang

List of Publications by Year in descending order

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43
papers

2,165
citations

236612

25
h-index

253896

43
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all docs

43
docs citations

43
times ranked

2636
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterials for treating emerging contaminants in water by adsorption and photocatalysis: Systematic review and bibliometric analysis. <i>Science of the Total Environment</i> , 2018, 627, 1253-1263.	3.9	236
2	Application of artificial intelligence to wastewater treatment: A bibliometric analysis and systematic review of technology, economy, management, and wastewater reuse. <i>Chemical Engineering Research and Design</i> , 2020, 133, 169-182.	2.7	224
3	UV/H ₂ O ₂ and UV/PDS Treatment of Trimethoprim and Sulfamethoxazole in Synthetic Human Urine: Transformation Products and Toxicity. <i>Environmental Science & Technology</i> , 2016, 50, 2573-2583.	4.6	181
4	Kinetics and modeling of sulfonamide antibiotic degradation in wastewater and human urine by UV/H ₂ O ₂ and UV/PDS. <i>Water Research</i> , 2016, 103, 283-292.	5.3	164
5	Degradation of Organic Micropollutants in UV/NH ₂ Cl Advanced Oxidation Process. <i>Environmental Science & Technology</i> , 2019, 53, 9024-9033.	4.6	109
6	Effect of organic matter and pH on mercury release from soils. <i>Journal of Environmental Sciences</i> , 2007, 19, 1349-1354.	3.2	79
7	Investigation of PAH and oil degradation along with electricity generation in soil using an enhanced plant-microbial fuel cell. <i>Journal of Cleaner Production</i> , 2019, 221, 678-683.	4.6	77
8	Adsorption behaviors and mechanisms of antibiotic norfloxacin on degradable and nondegradable microplastics. <i>Science of the Total Environment</i> , 2022, 807, 151042.	3.9	76
9	Effects of individual and combined zinc oxide nanoparticle, norfloxacin, and sulfamethazine contamination on sludge anaerobic digestion. <i>Bioresource Technology</i> , 2019, 273, 454-461.	4.8	69
10	Fate of tetracycline in enhanced biological nutrient removal process. <i>Chemosphere</i> , 2018, 193, 998-1003.	4.2	60
11	Pollution reduction and operating cost analysis of municipal wastewater treatment in China and implication for future wastewater management. <i>Journal of Cleaner Production</i> , 2020, 253, 120003.	4.6	58
12	Effect of tetracycline on microbial community structure associated with enhanced biological N&P removal in sequencing batch reactor. <i>Bioresource Technology</i> , 2018, 256, 414-420.	4.8	55
13	Spatial and temporal distribution of gaseous elemental mercury in Chongqing, China. <i>Environmental Monitoring and Assessment</i> , 2009, 156, 479-489.	1.3	53
14	Activated Sludge Microbial Community and Treatment Performance of Wastewater Treatment Plants in Industrial and Municipal Zones. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 436.	1.2	53
15	pH, ionic strength and dissolved organic matter alter aggregation of fullerene C60 nanoparticles suspensions in wastewater. <i>Journal of Hazardous Materials</i> , 2013, 244-245, 582-587.	6.5	47
16	Mercury emission to atmosphere from primary Zn production in China. <i>Science of the Total Environment</i> , 2010, 408, 4607-4612.	3.9	45
17	Effect of dissolved organic matter on adsorption and desorption of mercury by soils. <i>Journal of Environmental Sciences</i> , 2008, 20, 1097-1102.	3.2	44
18	A critical review on soil washing during soil remediation for heavy metals and organic pollutants. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 601-624.	1.8	44

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19	Pollution control and cost analysis of wastewater treatment at industrial parks in Taihu and Haihe water basins, China. <i>Journal of Cleaner Production</i> , 2018, 172, 2435-2442.	4.6	43
20	Prediction of effluent quality in a wastewater treatment plant by dynamic neural network modeling. <i>Chemical Engineering Research and Design</i> , 2022, 158, 515-524.	2.7	38
21	Effects of individual and complex ciprofloxacin, fullerene C60, and ZnO nanoparticles on sludge digestion: Methane production, metabolism, and microbial community. <i>Bioresource Technology</i> , 2018, 267, 46-53.	4.8	37
22	Quantifying the fate and risk assessment of different antibiotics during wastewater treatment using a Monte Carlo simulation. <i>Journal of Cleaner Production</i> , 2017, 168, 626-631.	4.6	35
23	Interaction between common antibiotics and a <i>Shewanella</i> strain isolated from an enhanced biological phosphorus removal activated sludge system. <i>Bioresource Technology</i> , 2016, 222, 114-122.	4.8	34
24	A Monte Carlo-based integrated model to optimize the cost and pollution reduction in wastewater treatment processes in a typical comprehensive industrial park in China. <i>Science of the Total Environment</i> , 2019, 647, 1-10.	3.9	34
25	Influence of environmental factors on the phosphorus adsorption of lanthanum-modified bentonite in eutrophic water and sediment. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2487-2494.	2.7	27
26	Diethylenetriaminepentaacetic acid- ϵ -thiourea-modified magnetic chitosan for adsorption of hexavalent chromium from aqueous solutions. <i>Carbohydrate Polymers</i> , 2021, 274, 118555.	5.1	26
27	A comprehensive index for evaluating and enhancing effective wastewater treatment in two industrial parks in China. <i>Journal of Cleaner Production</i> , 2019, 230, 854-861.	4.6	21
28	Adsorption of fullerene nC60 on activated sludge: Kinetics, equilibrium and influencing factors. <i>Chemical Engineering Journal</i> , 2013, 225, 365-371.	6.6	20
29	Degradation of the antibiotic ornidazole in aqueous solution by using nanoscale zero-valent iron particles: kinetics, mechanism, and degradation pathway. <i>RSC Advances</i> , 2018, 8, 35062-35072.	1.7	20
30	Toxicity of tetracycline and its transformation products to a phosphorus removing <i>Shewanella</i> strain. <i>Chemosphere</i> , 2020, 246, 125681.	4.2	20
31	Toxicity and combined effects of antibiotics and nano ZnO on a phosphorus-removing <i>Shewanella</i> strain in wastewater treatment. <i>Journal of Hazardous Materials</i> , 2021, 416, 125532.	6.5	20
32	Fenton-Like Oxidation of Antibiotic Ornidazole Using Biochar-Supported Nanoscale Zero-Valent Iron as Heterogeneous Hydrogen Peroxide Activator. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1324.	1.2	19
33	Remediation of trichloroethylene contaminated soil by unactivated peroxymonosulfate: Implication on selected soil characteristics. <i>Journal of Environmental Management</i> , 2021, 285, 112063.	3.8	16
34	Effect of sulfamethoxazole and oxytetracycline on enhanced biological phosphorus removal and bacterial community structure. <i>Bioresource Technology</i> , 2021, 319, 124067.	4.8	14
35	Toxicity of Aqueous Fullerene nC ₆₀ to Activated Sludge: Nitrification Inhibition and Microtox Test. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-6.	1.5	13
36	Mapping socio-ecological resilience along the seven economic corridors of the Belt and Road Initiative. <i>Journal of Cleaner Production</i> , 2021, 309, 127341.	4.6	11

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37	In situ remediation of tetrachloroethylene and its intermediates in groundwater using an anaerobic/aerobic permeable reactive barrier. <i>Environmental Science and Pollution Research</i> , 2017, 24, 26615-26622.	2.7	10
38	Effect of dissolved organic matter on mercury release from water body. <i>Journal of Environmental Sciences</i> , 2011, 23, 912-917.	3.2	9
39	Environmental opportunities and challenges of utilizing unactivated calcium peroxide to treat soils co-contaminated with mixed chlorinated organic compounds. <i>Environmental Pollution</i> , 2021, 291, 118239.	3.7	8
40	A simulation study of mercury release fluxes from soils in wet-dry rotation environment. <i>Journal of Environmental Sciences</i> , 2014, 26, 1445-1452.	3.2	7
41	Degradation of Norfloxacin in an Aqueous Solution by the Nanoscale Zero-Valent Iron-Activated Persulfate Process. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-12.	1.5	6
42	Influences of activated sludge surface properties on adsorption of aqueous fullerene C60 nanoparticles. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1989-1998.	1.8	2
43	Novel coprecipitation-oxidation method for recovering iron from steel waste pickling liquor. <i>Frontiers of Environmental Science and Engineering</i> , 2017, 11, 1.	3.3	1