

Shuwen Yan

List of Publications by Year in descending order

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42
papers

2,873
citations

218381

26
h-index

264894

42
g-index

43
all docs

43
docs citations

43
times ranked

2648
citing authors

#	ARTICLE	IF	CITATIONS
1	Kinetic Study of Hydroxyl and Sulfate Radical-Mediated Oxidation of Pharmaceuticals in Wastewater Effluents. <i>Environmental Science & Technology</i> , 2017, 51, 2954-2962.	4.6	309
2	Comparison of the UV/chlorine and UV/H ₂ O ₂ processes in the degradation of PPCPs in simulated drinking water and wastewater: Kinetics, radical mechanism and energy requirements. <i>Water Research</i> , 2018, 147, 184-194.	5.3	289
3	Photochemically Induced Formation of Reactive Oxygen Species (ROS) from Effluent Organic Matter. <i>Environmental Science & Technology</i> , 2014, 48, 12645-12653.	4.6	274
4	Degradation of Diclofenac by Advanced Oxidation and Reduction Processes: Kinetic Studies, Degradation Pathways and Toxicity Assessments. <i>Water Research</i> , 2013, 47, 1909-1918.	5.3	267
5	Photo-transformation of pharmaceutically active compounds in the aqueous environment: a review. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 697-720.	1.7	138
6	Triplet-State Photochemistry of Dissolved Organic Matter: Triplet-State Energy Distribution and Surface Electric Charge Conditions. <i>Environmental Science & Technology</i> , 2019, 53, 2482-2490.	4.6	119
7	Photosensitized degradation of acetaminophen in natural organic matter solutions: The role of triplet states and oxygen. <i>Water Research</i> , 2017, 109, 266-273.	5.3	112
8	Insights into the photo-induced formation of reactive intermediates from effluent organic matter: The role of chemical constituents. <i>Water Research</i> , 2017, 112, 120-128.	5.3	101
9	Hydroxyl Radical Oxidation of Cylindrospermopsin (Cyanobacterial Toxin) and Its Role in the Photochemical Transformation. <i>Environmental Science & Technology</i> , 2012, 46, 12608-12615.	4.6	98
10	Occurrence and indicators of pharmaceuticals in Chinese streams: A nationwide study. <i>Environmental Pollution</i> , 2018, 236, 889-898.	3.7	90
11	Photochemical formation of carbonate radical and its reaction with dissolved organic matters. <i>Water Research</i> , 2019, 161, 288-296.	5.3	86
12	Photochemical Transformation of Aminoglycoside Antibiotics in Simulated Natural Waters. <i>Environmental Science & Technology</i> , 2016, 50, 2921-2930.	4.6	80
13	Triplet Photochemistry of Dissolved Black Carbon and Its Effects on the Photochemical Formation of Reactive Oxygen Species. <i>Environmental Science & Technology</i> , 2020, 54, 4903-4911.	4.6	71
14	Kinetic Consideration of Photochemical Formation and Decay of Superoxide Radical in Dissolved Organic Matter Solutions. <i>Environmental Science & Technology</i> , 2020, 54, 3199-3208.	4.6	63
15	Occurrence and estrogenic activity of steroid hormones in Chinese streams: A nationwide study based on a combination of chemical and biological tools. <i>Environment International</i> , 2018, 118, 1-8.	4.8	62
16	Development of Fluorescence Surrogates to Predict the Photochemical Transformation of Pharmaceuticals in Wastewater Effluents. <i>Environmental Science & Technology</i> , 2017, 51, 2738-2747.	4.6	58
17	Development of Novel Chemical Probes for Examining Triplet Natural Organic Matter under Solar Illumination. <i>Environmental Science & Technology</i> , 2017, 51, 11066-11074.	4.6	56
18	Photochemical Transformation of Nicotine in Wastewater Effluent. <i>Environmental Science & Technology</i> , 2017, 51, 11718-11730.	4.6	55

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19	Kinetics studies and mechanistic considerations on the reactions of superoxide radical ions with dissolved organic matter. <i>Water Research</i> , 2019, 149, 56-64.	5.3	53
20	Degradation of glucocorticoids in aqueous solution by dielectric barrier discharge: Kinetics, mechanisms, and degradation pathways. <i>Chemical Engineering Journal</i> , 2019, 374, 412-428.	6.6	47
21	Three-dimensional interconnected mesoporous anatase TiO ₂ exhibiting unique photocatalytic performances. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 293-302.	10.8	45
22	Photosensitized Transformation of Peroxymonosulfate in Dissolved Organic Matter Solutions under Simulated Solar Irradiation. <i>Environmental Science & Technology</i> , 2022, 56, 1963-1972.	4.6	38
23	Overview of the Phototransformation of Wastewater Effluents by High-Resolution Mass Spectrometry. <i>Environmental Science & Technology</i> , 2020, 54, 1816-1826.	4.6	37
24	Mechanistic considerations of photosensitized transformation of microcystin-LR (cyanobacterial) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	3.7	32
25	Microheterogeneous Distribution of Hydroxyl Radicals in Illuminated Dissolved Organic Matter Solutions. <i>Environmental Science & Technology</i> , 2021, 55, 10524-10533.	4.6	31
26	Ozonation of Cylindrospermopsin (Cyanotoxin): Degradation Mechanisms and Cytotoxicity Assessments. <i>Environmental Science & Technology</i> , 2016, 50, 1437-1446.	4.6	30
27	Carbonate Radical Oxidation of Cylindrospermopsin (Cyanotoxin): Kinetic Studies and Mechanistic Consideration. <i>Environmental Science & Technology</i> , 2020, 54, 10118-10127.	4.6	26
28	Effects of C ₆₀ on the Photochemical Formation of Reactive Oxygen Species from Natural Organic Matter. <i>Environmental Science & Technology</i> , 2016, 50, 11742-11751.	4.6	25
29	Mesoporous anatase crystal-silica nanocomposites with large intrawall mesopores presenting quite excellent photocatalytic performances. <i>Applied Catalysis B: Environmental</i> , 2019, 246, 284-295.	10.8	21
30	Development of fluorescence surrogates to predict the ferrate(VI) oxidation of pharmaceuticals in wastewater effluents. <i>Water Research</i> , 2020, 185, 116256.	5.3	17
31	Preparation of mesoporous anatase titania with large secondary mesopores and extraordinarily high photocatalytic performances. <i>Applied Catalysis B: Environmental</i> , 2020, 269, 118756.	10.8	17
32	Reevaluation of the contributions of reactive intermediates to the photochemical transformation of 17 β -estradiol in sewage effluent. <i>Water Research</i> , 2021, 189, 116633.	5.3	16
33	Development of an ammonium chloride-enhanced thermal-assisted-ESI LC-HRMS method for the characterization of chlorinated paraffins. <i>Environmental Pollution</i> , 2019, 255, 113303.	3.7	15
34	Comprehensive Understanding of the Phototransformation Process of Macrolide Antibiotics in Simulated Natural Waters. <i>ACS ES&T Water</i> , 2021, 1, 938-948.	2.3	15
35	Phototransformation of an emerging cyanotoxin (Aerucyclamide A) in simulated natural waters. <i>Water Research</i> , 2021, 201, 117339.	5.3	13
36	Tin porphyrin immobilization significantly enhances visible-light-photosensitized degradation of Microcystins: Mechanistic implications. <i>Applied Catalysis B: Environmental</i> , 2016, 199, 33-44.	10.8	12

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37	Determination of trace organic contaminants by a novel mixed-mode online solid-phase extraction coupled to liquid chromatography-tandem mass spectrometry. <i>Environmental Pollution</i> , 2022, 303, 119112.	3.7	12
38	Mechanistic consideration of the photochemical transformation of domoic acid (algal toxin) in DOM-Rich brackish water. <i>Chemosphere</i> , 2018, 209, 328-337.	4.2	11
39	Assessing the contribution of hydroxylation species in the photochemical transformation of primidone (pharmaceutical). <i>Science of the Total Environment</i> , 2019, 696, 133826.	3.9	10
40	Occurrence, distribution, and potential health risks of psychoactive substances in Chinese surface waters. <i>Journal of Hazardous Materials</i> , 2021, 407, 124851.	6.5	9
41	Photochemical Formation of Methylhydroperoxide in Dissolved Organic Matter Solutions. <i>Environmental Science & Technology</i> , 2021, 55, 1076-1087.	4.6	8
42	Fluorescent whitening agents in Baiyangdian Lake in North China: Analysis, occurrence, distribution and ecological risk assessment. <i>Environmental Pollution</i> , 2021, 291, 118235.	3.7	5