Jelena Radjenovic

List of Publications by Year
in descending order

59 papers	6,234 citations	117625 34 h-index	161849 54 g-index
59 all docs	59 docs citations	59 times ranked	6491 citing authors

#	Article	IF	Citations
1	Fate and distribution of pharmaceuticals in wastewater and sewage sludge of the conventional activated sludge (CAS) and advanced membrane bioreactor (MBR) treatment. Water Research, 2009, 43, 831-841.	11.3	979
2	Challenges and Opportunities for Electrochemical Processes as Next-Generation Technologies for the Treatment of Contaminated Water. Environmental Science & Technology, 2015, 49, 11292-11302.	10.0	791
3	Rejection of pharmaceuticals in nanofiltration and reverse osmosis membrane drinking water treatment. Water Research, 2008, 42, 3601-3610.	11.3	600
4	Analysis of pharmaceuticals in wastewater and removal using a membrane bioreactor. Analytical and Bioanalytical Chemistry, 2007, 387, 1365-1377.	3.7	444
5	Removal of organic contaminants from secondary effluent by anodic oxidation with a boron-doped diamond anode as tertiary treatment. Journal of Hazardous Materials, 2015, 283, 551-557.	12.4	241
6	Removal of Persistent Organic Contaminants by Electrochemically Activated Sulfate. Environmental Science & Technology, 2015, 49, 14326-14333.	10.0	240
7	Recent trends in the liquid chromatographyâ€“mass spectrometry analysis of organic contaminants in environmental samples. Journal of Chromatography A, 2010, 1217, 4004-4017.	3.7	216
8	Determination of pharmaceuticals in sewage sludge by pressurized liquid extraction (PLE) coupled to liquid chromatography-tandem mass spectrometry (LC-MS/MS). Analytical and Bioanalytical Chemistry, 2009, 393, 1685-1695.	3.7	153
9	Electrochemical oxidation of reverse osmosis concentrate on mixed metal oxide (MMO) titanium coated electrodes. Water Research, 2011, 45, 4951-4959.	11.3	152
10	Solar photocatalytic degradation of persistent pharmaceuticals at pilot-scale: Kinetics and characterization of major intermediate products. Applied Catalysis B: Environmental, 2009, 89, 255-264.	20.2	145
11	Fate and removal of pharmaceuticals and illicit drugs in conventional and membrane bioreactor wastewater treatment plants and by riverbank filtration. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2009, 367, 3979-4003.	3.4	140
12	Electrochemical oxidation of trace organic contaminants in reverse osmosis concentrate using RuO2/IrO2-coated titanium anodes. Water Research, 2011, 45, 1579-1586.	11.3	140
13	Electrochemical oxidation of electrodialysed reverse osmosis concentrate on Ti/Ptâ€“IrO2, Ti/SnO2â€“Sb and boron-doped diamond electrodes. Water Research, 2013, 47, 242-250.	11.3	132
14	Facing the Challenge of Poly- and Perfluoroalkyl Substances in Water: Is Electrochemical Oxidation the Answer?. Environmental Science & Technology, 2020, 54, 14815-14829.	10.0	117
15	Electrochemical oxidation of reverse osmosis concentrate on boron-doped diamond anodes at circumneutral and acidic pH. Water Research, 2012, 46, 6104-6112.	11.3	106
16	Advanced mass spectrometric methods applied to the study of fate and removal of pharmaceuticals in wastewater treatment. TrAC - Trends in Analytical Chemistry, 2007, 26, 1132-1144.	11.4	97
17	Part per trillion determination of atrazine in natural water samples by a surface plasmon resonance immunosensor. Analytical and Bioanalytical Chemistry, 2007, 388, 207-214.	3.7	97
18	Oxidation of atenolol, propranolol, carbamazepine and clofibric acid by a biological Fenton-like system mediated by the white-rot fungus Trametes versicolor. Water Research, 2010, 44, 521-532.	11.3	94

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19	Identification and structural characterization of biodegradation products of atenolol and glibenclamide by liquid chromatography coupled to hybrid quadrupole time-of-flight and quadrupole ion trap mass spectrometry. Journal of Chromatography A, 2008, 1210, 142-153.	3.7	90
20	Removal of sulfamethoxazole by electrochemically activated sulfate: Implications of chloride addition. Journal of Hazardous Materials, 2017, 333, 242-249.	12.4	79
21	Reductive electrochemical remediation of emerging and regulated disinfection byproducts. Water Research, 2012, 46, 1705-1714.	11.3	78
22	Electrochemical degradation of the Î²-blocker metoprolol by Ti/Ru0.7Ir0.3O2 and Ti/SnO2-Sb electrodes. Water Research, 2011, 45, 3205-3214.	11.3	72
23	Evidencing Generation of Persistent Ozonation Products of Antibiotics Roxithromycin and Trimethoprim. Environmental Science & Technology, 2009, 43, 6808-6815.	10.0	60
24	Assessment of the impact of chloride on the formation of chlorinated by-products in the presence and absence of electrochemically activated sulfate. Chemical Engineering Journal, 2017, 330, 1265-1271.	12.7	58
25	Complementary mass spectrometry and bioassays for evaluating pharmaceutical-transformation products in treatment of drinking water and wastewater. TrAC - Trends in Analytical Chemistry, 2009, 28, 562-580.	11.4	57
26	Biodegradation of atenolol by an enriched nitrifying sludge: Products and pathways. Chemical Engineering Journal, 2017, 312, 351-359.	12.7	55
27	Membrane Bioreactor (MBR) as an Advanced Wastewater Treatment Technology. Handbook of Environmental Chemistry, 2008, , 37-101.	0.4	55
28	Sulfate-mediated electrooxidation of X-ray contrast media on boron-doped diamond anode. Water Research, 2016, 94, 128-135.	11.3	50
29	Second interlaboratory exercise on non-steroidal anti-inflammatory drug analysis in environmental aqueous samples. Talanta, 2010, 81, 1189-1196.	5.5	45
30	Removal of the X-ray Contrast Media Diatrizoate by Electrochemical Reduction and Oxidation. Environmental Science & Technology, 2013, 47, 13686-13694.	10.0	45
31	Dehalogenation of Iodinated X-ray Contrast Media in a Bioelectrochemical System. Environmental Science & Technology, 2011, 45, 782-788.	10.0	43
32	Characterization of intermediate products of solar photocatalytic degradation of ranitidine at pilot-scale. Chemosphere, 2010, 79, 368-376.	8.2	42
33	A mechanistic model for electrochemical nutrient recovery systems. Water Research, 2016, 94, 176-186.	11.3	36
34	Graphene-based sponges for electrochemical degradation of persistent organic contaminants. Water Research, 2021, 203, 117492.	11.3	36
35	Removal of persistent organic contaminants from wastewater using a hybrid electrochemical-granular activated carbon (GAC) system. Journal of Hazardous Materials, 2021, 415, 125557.	12.4	34
36	Electrochemical degradation of per- and polyfluoroalkyl substances (PFAS) using low-cost graphene sponge electrodes. Water Research, 2022, 213, 118148.	11.3	34

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37	Electrochemical degradation of antibiotics using flow-through graphene sponge electrodes. Journal of Hazardous Materials, 2022, 431, 128462.	12.4	34
38	Electrochemical treatment of reverse osmosis concentrate on boron-doped electrodes in undivided and divided cell configurations. Journal of Hazardous Materials, 2014, 279, 111-116.	12.4	33
39	Effect of UV and UV/H₂O₂ in the Presence of Chloramines on NDMA Formation Potential of Tramadol. Environmental Science & Technology, 2012, 46, 8356-8364.	10.0	29
40	Predicting scale formation during electrodialytic nutrient recovery. Water Research, 2017, 110, 202-210.	11.3	28
41	Membrane Bioreactor (MBR) as an Advanced Wastewater Treatment Technology. , 2007, , 37-101.		24
42	Assessment of Degradation Byproducts and NDMA Formation Potential during UV and UV/H₂O₂ Treatment of Doxylamine in the Presence of Monochloramine. Environmental Science & Technology, 2012, 46, 12904-12912.	10.0	24
43	Manganese oxide-based porous electrodes for rapid and selective (electro)catalytic removal and recovery of sulfide from wastewater. Applied Catalysis B: Environmental, 2020, 267, 118608.	20.2	23
44	Predicting reactivity of model DOM compounds towards chlorine with mediated electrochemical oxidation. Water Research, 2017, 114, 113-121.	11.3	22
45	Chlorine-free electrochemical disinfection using graphene sponge electrodes. Chemical Engineering Journal, 2022, 430, 132772.	12.7	22
46	Ammonia recovery from anaerobic digester centrate using onsite pilot scale bipolar membrane electrodialysis coupled to membrane stripping. Water Research, 2022, 218, 118504.	11.3	22
47	N-Nitrosodimethylamine (NDMA) Degradation by the Ultraviolet/Peroxodisulfate Process. Environmental Science and Technology Letters, 2019, 6, 106-111.	8.7	21
48	Characterization and comparison of Ti/TiO2-NT/SnO2â€“SbBi, Ti/SnO2â€“SbBi and BDD anode for the removal of persistent iodinated contrast media (ICM). Chemosphere, 2020, 253, 126701.	8.2	21
49	Electrochemical removal of sulfide on porous carbon-based flow-through electrodes. Journal of Hazardous Materials, 2019, 375, 19-25.	12.4	19
50	Emerging Contaminants in Waste Waters: Sources and Occurrence. Handbook of Environmental Chemistry, 2008, , 1-35.	0.4	15
51	Oxidative capacitance of sulfate-based boron-doped diamond electrochemical system. Electrochemistry Communications, 2018, 89, 14-18.	4.7	14
52	Manganese oxide coated TiO2 nanotube-based electrode for efficient and selective electrocatalytic sulfide oxidation to colloidal sulfur. Applied Catalysis B: Environmental, 2021, 296, 120383.	20.2	9
53	Functionalization of graphene sponge electrodes with two-dimensional materials for tailored electrocatalytic activity towards specific contaminants of emerging concern. Chemical Engineering Journal, 2022, 446, 137057.	12.7	7
54	Chapter 4.2 Removal of pharmaceuticals by advanced treatment technologies. Comprehensive Analytical Chemistry, 2007, , 451-474.	1.3	5

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55	Emerging Contaminants in Waste Waters: Sources and Occurrence. , 2008, , 1-35.		5
56	Occurrence and Fate of Pharmaceuticals and Illicit Drugs Under Water Scarcity. Handbook of Environmental Chemistry, 2009, , 197-228.	0.4	3
57	Electrochemical Treatment of Reverse Osmosis Concentrates. , 2014, , 644-651.		1
58	Erratum to Membrane Bioreactor (MBR) as an Advanced Wastewater Treatment Technology. , 2008, , 275-280.		0
59	Advanced Electrochemical Processes for the Elimination of Pharmaceutical Compounds in Contaminated Waters. Handbook of Environmental Chemistry, 2020, , 327-347.	0.4	0