

# Jelena Radjenovic

## List of Publications by Year in descending order

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Version: 2024-02-01

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	Chlorine-free electrochemical disinfection using graphene sponge electrodes. Chemical Engineering Journal, 2022, 430, 132772.	12.7	22
2	Electrochemical degradation of per- and polyfluoroalkyl substances (PFAS) using low-cost graphene sponge electrodes. Water Research, 2022, 213, 118148.	11.3	34
3	Electrochemical degradation of antibiotics using flow-through graphene sponge electrodes. Journal of Hazardous Materials, 2022, 431, 128462.	12.4	34
4	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
5	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
6	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
7	Graphene-based sponges for electrochemical degradation of persistent organic contaminants. Water Research, 2021, 203, 117492.	11.3	36
8	Manganese oxide coated TiO <sub>2</sub> nanotube-based electrode for efficient and selective electrocatalytic sulfide oxidation to colloidal sulfur. Applied Catalysis B: Environmental, 2021, 296, 120383.	20.2	9
9	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
10	Advanced Electrochemical Processes for the Elimination of Pharmaceutical Compounds in Contaminated Waters. Handbook of Environmental Chemistry, 2020, , 327-347.	0.4	0
11	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
12	Characterization and comparison of Ti/TiO <sub>2</sub> -NT/SnO <sub>2</sub> @SbBi, Ti/SnO <sub>2</sub> @SbBi and BDD anode for the removal of persistent iodinated contrast media (ICM). Chemosphere, 2020, 253, 126701.	8.2	21
13	Electrochemical removal of sulfide on porous carbon-based flow-through electrodes. Journal of Hazardous Materials, 2019, 375, 19-25.	12.4	19
14	N-Nitrosodimethylamine (NDMA) Degradation by the Ultraviolet/Peroxodisulfate Process. Environmental Science and Technology Letters, 2019, 6, 106-111.	8.7	21
15	Oxidative capacitance of sulfate-based boron-doped diamond electrochemical system. Electrochemistry Communications, 2018, 89, 14-18.	4.7	14
16	Predicting reactivity of model DOM compounds towards chlorine with mediated electrochemical oxidation. Water Research, 2017, 114, 113-121.	11.3	22
17	Predicting scale formation during electrodialytic nutrient recovery. Water Research, 2017, 110, 202-210.	11.3	28
18	Removal of sulfamethoxazole by electrochemically activated sulfate: Implications of chloride addition. Journal of Hazardous Materials, 2017, 333, 242-249.	12.4	79

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19	Biodegradation of atenolol by an enriched nitrifying sludge: Products and pathways. Chemical Engineering Journal, 2017, 312, 351-359.	12.7	55
20	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
21	A mechanistic model for electrochemical nutrient recovery systems. Water Research, 2016, 94, 176-186.	11.3	36
22	Sulfate-mediated electrooxidation of X-ray contrast media on boron-doped diamond anode. Water Research, 2016, 94, 128-135.	11.3	50
23	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
24	Removal of Persistent Organic Contaminants by Electrochemically Activated Sulfate. Environmental Science & Technology, 2015, 49, 14326-14333.	10.0	240
25	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
26	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
27	Electrochemical Treatment of Reverse Osmosis Concentrates. , 2014, , 644-651.		1
28	Electrochemical oxidation of electrodialysed reverse osmosis concentrate on Ti/Ptâ€“IrO <sub>2</sub> , Ti/SnO <sub>2</sub> â€“Sb and boron-doped diamond electrodes. Water Research, 2013, 47, 242-250.	11.3	132
29	Removal of the X-ray Contrast Media Diatrizoate by Electrochemical Reduction and Oxidation. Environmental Science & Technology, 2013, 47, 13686-13694.	10.0	45
30	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
31	Effect of UV and UV/H <sub>2</sub> O <sub>2</sub> in the Presence of Chloramines on NDMA Formation Potential of Tramadol. Environmental Science & Technology, 2012, 46, 8356-8364.	10.0	29
32	Assessment of Degradation Byproducts and NDMA Formation Potential during UV and UV/H <sub>2</sub> O <sub>2</sub> Treatment of Doxylamine in the Presence of Monochloramine. Environmental Science & Technology, 2012, 46, 12904-12912.	10.0	24
33	Reductive electrochemical remediation of emerging and regulated disinfection byproducts. Water Research, 2012, 46, 1705-1714.	11.3	78
34	Dehalogenation of Iodinated X-ray Contrast Media in a Bioelectrochemical System. Environmental Science & Technology, 2011, 45, 782-788.	10.0	43
35	Electrochemical oxidation of trace organic contaminants in reverse osmosis concentrate using RuO <sub>2</sub> /IrO <sub>2</sub> -coated titanium anodes. Water Research, 2011, 45, 1579-1586.	11.3	140
36	Electrochemical degradation of the Î²-blocker metoprolol by Ti/RuO <sub>2</sub> and Ti/SnO <sub>2</sub> -Sb electrodes. Water Research, 2011, 45, 3205-3214.	11.3	72

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37	Electrochemical oxidation of reverse osmosis concentrate on mixed metal oxide (MMO) titanium coated electrodes. <i>Water Research</i> , 2011, 45, 4951-4959.	11.3	152
38	Recent trends in the liquid chromatography–mass spectrometry analysis of organic contaminants in environmental samples. <i>Journal of Chromatography A</i> , 2010, 1217, 4004-4017.	3.7	216
39	Second interlaboratory exercise on non-steroidal anti-inflammatory drug analysis in environmental aqueous samples. <i>Talanta</i> , 2010, 81, 1189-1196.	5.5	45
40	Oxidation of atenolol, propranolol, carbamazepine and clofibric acid by a biological Fenton-like system mediated by the white-rot fungus <i>Trametes versicolor</i> . <i>Water Research</i> , 2010, 44, 521-532.	11.3	94
41	Characterization of intermediate products of solar photocatalytic degradation of ranitidine at pilot-scale. <i>Chemosphere</i> , 2010, 79, 368-376.	8.2	42
42	Determination of pharmaceuticals in sewage sludge by pressurized liquid extraction (PLE) coupled to liquid chromatography-tandem mass spectrometry (LC-MS/MS). <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1685-1695.	3.7	153
43	Complementary mass spectrometry and bioassays for evaluating pharmaceutical-transformation products in treatment of drinking water and wastewater. <i>TrAC - Trends in Analytical Chemistry</i> , 2009, 28, 562-580.	11.4	57
44	Solar photocatalytic degradation of persistent pharmaceuticals at pilot-scale: Kinetics and characterization of major intermediate products. <i>Applied Catalysis B: Environmental</i> , 2009, 89, 255-264.	20.2	145
45	Evidencing Generation of Persistent Ozonation Products of Antibiotics Roxithromycin and Trimethoprim. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6808-6815.	10.0	60
46	Fate and removal of pharmaceuticals and illicit drugs in conventional and membrane bioreactor wastewater treatment plants and by riverbank filtration. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 3979-4003.	3.4	140
47	Fate and distribution of pharmaceuticals in wastewater and sewage sludge of the conventional activated sludge (CAS) and advanced membrane bioreactor (MBR) treatment. <i>Water Research</i> , 2009, 43, 831-841.	11.3	979
48	Occurrence and Fate of Pharmaceuticals and Illicit Drugs Under Water Scarcity. <i>Handbook of Environmental Chemistry</i> , 2009, , 197-228.	0.4	3
49	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. <i>Journal of Chromatography A</i> , 2008, 1210, 142-153.	3.7	90
50	Emerging Contaminants in Waste Waters: Sources and Occurrence. , 2008, , 1-35.		5
51	Rejection of pharmaceuticals in nanofiltration and reverse osmosis membrane drinking water treatment. <i>Water Research</i> , 2008, 42, 3601-3610.	11.3	600
52	Erratum to Membrane Bioreactor (MBR) as an Advanced Wastewater Treatment Technology. , 2008, , 275-280.		0
53	Emerging Contaminants in Waste Waters: Sources and Occurrence. <i>Handbook of Environmental Chemistry</i> , 2008, , 1-35.	0.4	15
54	Membrane Bioreactor (MBR) as an Advanced Wastewater Treatment Technology. <i>Handbook of Environmental Chemistry</i> , 2008, , 37-101.	0.4	55

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55	Chapter 4.2 Removal of pharmaceuticals by advanced treatment technologies. Comprehensive Analytical Chemistry, 2007, , 451-474.	1.3	5
56	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
57	Analysis of pharmaceuticals in wastewater and removal using a membrane bioreactor. Analytical and Bioanalytical Chemistry, 2007, 387, 1365-1377.	3.7	444
58	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
59	Membrane Bioreactor (MBR) as an Advanced Wastewater Treatment Technology. , 2007, , 37-101.		24