

# Eric D Van Hullebusch

## List of Publications by Year in descending order

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Version: 2024-02-01

297  
papers

14,726  
citations

20759

60  
h-index

28224

105  
g-index

303  
all docs

303  
docs citations

303  
times ranked

13323  
citing authors

#	ARTICLE	IF	CITATIONS
1	Coupling of membrane filtration and advanced oxidation processes for removal of pharmaceutical residues: A critical review. <i>Separation and Purification Technology</i> , 2015, 156, 891-914.	3.9	449
2	Removal of residual anti-inflammatory and analgesic pharmaceuticals from aqueous systems by electrochemical advanced oxidation processes. A review. <i>Chemical Engineering Journal</i> , 2013, 228, 944-964.	6.6	448
3	Removal of hydrophobic organic pollutants from soil washing/flushing solutions: A critical review. <i>Journal of Hazardous Materials</i> , 2016, 306, 149-174.	6.5	377
4	Selenium: environmental significance, pollution, and biological treatment technologies. <i>Biotechnology Advances</i> , 2016, 34, 886-907.	6.0	338
5	Mechanisms and adsorption capacities of biochar for the removal of organic and inorganic pollutants from industrial wastewater. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 3273-3294.	1.8	287
6	Comparative bioremediation of heavy metals and petroleum hydrocarbons co-contaminated soil by natural attenuation, phytoremediation, bioaugmentation and bioaugmentation-assisted phytoremediation. <i>Science of the Total Environment</i> , 2016, 563-564, 693-703.	3.9	284
7	Application of advanced oxidation processes for TNT removal: A review. <i>Journal of Hazardous Materials</i> , 2010, 178, 10-28.	6.5	276
8	Extraction of extracellular polymeric substances (EPS) from anaerobic granular sludges: comparison of chemical and physical extraction protocols. <i>Applied Microbiology and Biotechnology</i> , 2010, 85, 1589-1599.	1.7	248
9	A hierarchical CoFe-layered double hydroxide modified carbon-felt cathode for heterogeneous electro-Fenton process. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3655-3666.	5.2	237
10	Electrochemical advanced oxidation and biological processes for wastewater treatment: a review of the combined approaches. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8493-8524.	2.7	227
11	Recent advances on hydrometallurgical recovery of critical and precious elements from end of life electronic wastes - a review. <i>Critical Reviews in Environmental Science and Technology</i> , 2019, 49, 212-275.	6.6	219
12	Biotechnological strategies for the recovery of valuable and critical raw materials from waste electrical and electronic equipment (WEEE) – A review. <i>Journal of Hazardous Materials</i> , 2019, 362, 467-481.	6.5	215
13	Electronic waste as a secondary source of critical metals: Management and recovery technologies. <i>Resources, Conservation and Recycling</i> , 2018, 135, 296-312.	5.3	212
14	Metal immobilisation by biofilms: Mechanisms and analytical tools. <i>Reviews in Environmental Science and Biotechnology</i> , 2003, 2, 9-33.	3.9	205
15	Sub-stoichiometric titanium oxide (Ti <sub>4</sub> O <sub>7</sub> ) as a suitable ceramic anode for electrooxidation of organic pollutants: A case study of kinetics, mineralization and toxicity assessment of amoxicillin. <i>Water Research</i> , 2016, 106, 171-182.	5.3	196
16	Developments in Bioremediation of Soils and Sediments Polluted with Metals and Radionuclides – 1. Microbial Processes and Mechanisms Affecting Bioremediation of Metal Contamination and Influencing Metal Toxicity and Transport. <i>Reviews in Environmental Science and Biotechnology</i> , 2005, 4, 115-156.	3.9	183
17	Fungal pelleted reactors in wastewater treatment: Applications and perspectives. <i>Chemical Engineering Journal</i> , 2016, 283, 553-571.	6.6	183
18	A review of nature-based solutions for urban water management in European circular cities: a critical assessment based on case studies and literature. <i>Blue-Green Systems</i> , 2020, 2, 112-136.	0.6	183

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19	Two-step bioleaching of copper and gold from discarded printed circuit boards (PCB). <i>Waste Management</i> , 2016, 57, 149-157.	3.7	180
20	Role of extracellular polymeric substances (EPS) production in bioaggregation: application to wastewater treatment. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9883-9905.	1.7	177
21	Occurrence and Removal of Organic Micropollutants in Landfill Leachates Treated by Electrochemical Advanced Oxidation Processes. <i>Environmental Science &amp; Technology</i> , 2015, 49, 12187-12196.	4.6	167
22	Extracellular Polymeric Substances Govern the Surface Charge of Biogenic Elemental Selenium Nanoparticles. <i>Environmental Science &amp; Technology</i> , 2015, 49, 1713-1720.	4.6	158
23	Reuse options for coal fired power plant bottom ash and fly ash. <i>Reviews in Environmental Science and Biotechnology</i> , 2014, 13, 467-486.	3.9	152
24	Trace Metals in Anaerobic Granular Sludge Reactors: Bioavailability and Dosing Strategies. <i>Engineering in Life Sciences</i> , 2006, 6, 293-301.	2.0	146
25	A complete phenol oxidation pathway obtained during electro-Fenton treatment and validated by a kinetic model study. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 189-198.	10.8	141
26	Electrochemical mineralization of sulfamethoxazole over wide pH range using FeII/FeIII LDH modified carbon felt cathode: Degradation pathway, toxicity and reusability of the modified cathode. <i>Chemical Engineering Journal</i> , 2018, 350, 844-855.	6.6	139
27	Selenate removal in methanogenic and sulfate-reducing upflow anaerobic sludge bed reactors. <i>Water Research</i> , 2008, 42, 2184-2194.	5.3	133
28	Fe(II)-mediated autotrophic denitrification: A new bioprocess for iron bioprecipitation/biorecovery and simultaneous treatment of nitrate-containing wastewaters. <i>International Biodeterioration and Biodegradation</i> , 2017, 119, 631-648.	1.9	132
29	Emerging technologies for biofuel production: A critical review on recent progress, challenges and perspectives. <i>Journal of Environmental Management</i> , 2021, 290, 112627.	3.8	122
30	Adsorption of zinc by biogenic elemental selenium nanoparticles. <i>Chemical Engineering Journal</i> , 2015, 260, 855-863.	6.6	119
31	Comparative study on the removal of humic acids from drinking water by anodic oxidation and electro-Fenton processes: Mineralization efficiency and modelling. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 32-41.	10.8	119
32	Combination of surfactant enhanced soil washing and electro-Fenton process for the treatment of soils contaminated by petroleum hydrocarbons. <i>Journal of Environmental Management</i> , 2015, 153, 40-47.	3.8	118
33	Comparison of three sequential extraction procedures to describe metal fractionation in anaerobic granular sludges. <i>Talanta</i> , 2005, 65, 549-558.	2.9	117
34	Influence of solubilizing agents (cyclodextrin or surfactant) on phenanthrene degradation by electro-Fenton process – Study of soil washing recycling possibilities and environmental impact. <i>Water Research</i> , 2014, 48, 306-316.	5.3	108
35	Perspectives regarding the use of metallurgical slags as secondary metal resources – A review of bioleaching approaches. <i>Journal of Environmental Management</i> , 2018, 219, 138-152.	3.8	102
36	Lead and cadmium biosorption by extracellular polymeric substances (EPS) extracted from activated sludges: pH-sorption edge tests and mathematical equilibrium modelling. <i>Chemosphere</i> , 2006, 64, 1955-1962.	4.2	97

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37	Combination of anodic oxidation and biological treatment for the removal of phenanthrene and Tween 80 from soil washing solution. <i>Chemical Engineering Journal</i> , 2016, 306, 588-596.	6.6	97
38	Metal chalcogenide quantum dots: biotechnological synthesis and applications. <i>RSC Advances</i> , 2016, 6, 41477-41495.	1.7	94
39	Effects of Silicon and Silicon-Based Nanoparticles on Rhizosphere Microbiome, Plant Stress and Growth. <i>Biology</i> , 2021, 10, 791.	1.3	92
40	Sorption of cobalt and nickel on anaerobic granular sludges: isotherms and sequential extraction. <i>Chemosphere</i> , 2005, 58, 493-505.	4.2	89
41	Enhanced Phytoremediation: A Review of Low Molecular Weight Organic Acids and Surfactants Used as Amendments. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 2531-2576.	6.6	89
42	Copper Metallurgical Slags – Current Knowledge and Fate: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 2424-2488.	6.6	89
43	Nitrate removal from groundwater: a review of natural and engineered processes. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2018, 67, 885-902.	0.6	89
44	Use of Sub-stoichiometric Titanium Oxide as a Ceramic Electrode in Anodic Oxidation and Electro-Fenton Degradation of the Beta-blocker Propranolol: Degradation Kinetics and Mineralization Pathway. <i>Electrochimica Acta</i> , 2017, 242, 344-354.	2.6	84
45	Biotechnology in the management and resource recovery from metal bearing solid wastes: Recent advances. <i>Journal of Environmental Management</i> , 2018, 211, 138-153.	3.8	84
46	Characterization of the Mineral Fraction Associated to Extracellular Polymeric Substances (EPS) in Anaerobic Granular Sludges. <i>Environmental Science &amp; Technology</i> , 2010, 44, 412-418.	4.6	83
47	Leaching and selective zinc recovery from acidic leachates of zinc metallurgical leach residues. <i>Journal of Hazardous Materials</i> , 2017, 324, 71-82.	6.5	83
48	Treatment of synthetic soil washing solutions containing phenanthrene and cyclodextrin by electro-oxidation. Influence of anode materials on toxicity removal and biodegradability enhancement. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 666-675.	10.8	81
49	Electro-Fenton treatment of a complex pharmaceutical mixture: Mineralization efficiency and biodegradability enhancement. <i>Chemosphere</i> , 2020, 253, 126659.	4.2	78
50	Toward an accelerated biodeterioration test to understand the behavior of Portland and calcium aluminate cementitious materials in sewer networks. <i>International Biodeterioration and Biodegradation</i> , 2013, 84, 236-243.	1.9	77
51	Soil Washing/Flushing Treatments of Organic Pollutants Enhanced by Cyclodextrins and Integrated Treatments: State of the Art. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 705-795.	6.6	77
52	Anodic oxidation of surfactants and organic compounds entrapped in micelles – Selective degradation mechanisms and soil washing solution reuse. <i>Water Research</i> , 2017, 118, 1-11.	5.3	77
53	Effect of pH on cadmium and lead binding by extracellular polymeric substances (EPS) extracted from environmental bacterial strains. <i>Colloids and Surfaces B: Biointerfaces</i> , 2008, 63, 48-54.	2.5	76
54	Sorption of Cd(II) and Pb(II) by exopolymeric substances (EPS) extracted from activated sludges and pure bacterial strains: Modeling of the metal/ligand ratio effect and role of the mineral fraction. <i>Bioresource Technology</i> , 2009, 100, 2959-2968.	4.8	75

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55	Removal of colloidal biogenic selenium from wastewater. <i>Chemosphere</i> , 2015, 125, 130-138.	4.2	73
56	Lead sorption by biochar produced from digestates: Consequences of chemical modification and washing. <i>Journal of Environmental Management</i> , 2018, 219, 277-284.	3.8	71
57	Environmental impact of two successive chemical treatments in a small shallow eutrophied lake: Part I. Case of aluminium sulphate. <i>Environmental Pollution</i> , 2002, 120, 617-626.	3.7	66
58	Viscosity evolution of anaerobic granular sludge. <i>Biochemical Engineering Journal</i> , 2006, 27, 315-322.	1.8	66
59	Effect of Na <sup>+</sup> and Ca <sup>2+</sup> on the aggregation properties of sieved anaerobic granular sludge. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2007, 306, 142-149.	2.3	62
60	Fluorescence detection to determine proteins and humic-like substances fingerprints of exopolymeric substances (EPS) from biological sludges performed by size exclusion chromatography (SEC). <i>Bioresource Technology</i> , 2013, 131, 159-165.	4.8	62
61	Effect of soil/contamination characteristics and process operational conditions on aminopolycarboxylates enhanced soil washing for heavy metals removal: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2016, 15, 111-145.	3.9	62
62	Effect of temperature on selenium removal from wastewater by UASB reactors. <i>Water Research</i> , 2016, 94, 146-154.	5.3	62
63	Preferential adsorption of Cu in a multi-metal mixture onto biogenic elemental selenium nanoparticles. <i>Chemical Engineering Journal</i> , 2016, 284, 917-925.	6.6	62
64	Bioelectro-Fenton: evaluation of a combined biological advanced oxidation treatment for pharmaceutical wastewater. <i>Environmental Science and Pollution Research</i> , 2018, 25, 20283-20292.	2.7	62
65	A comparison of fate and toxicity of selenite, biogenically, and chemically synthesized selenium nanoparticles to zebrafish ( <i>Danio rerio</i> ) embryogenesis. <i>Nanotoxicology</i> , 2017, 11, 87-97.	1.6	61
66	Performance comparison of different types of constructed wetlands for the removal of pharmaceuticals and their transformation products: a review. <i>Environmental Science and Pollution Research</i> , 2020, 27, 14342-14364.	2.7	61
67	Environmental impact of two successive chemical treatments in a small shallow eutrophied lake: Part II. Case of copper sulfate. <i>Environmental Pollution</i> , 2002, 120, 627-634.	3.7	60
68	Fast and complete removal of the 5-fluorouracil drug from water by electro-Fenton oxidation. <i>Environmental Chemistry Letters</i> , 2018, 16, 281-286.	8.3	60
69	Preparation and applications of chitosan and cellulose composite materials. <i>Journal of Environmental Management</i> , 2022, 301, 113850.	3.8	60
70	Effects of extraction procedures on metal binding properties of extracellular polymeric substances (EPS) from anaerobic granular sludges. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 80, 161-168.	2.5	59
71	Cd(II) and Pb(II) sorption by extracellular polymeric substances (EPS) extracted from anaerobic granular biofilms: Evidence of a pH sorption-edge. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2012, 43, 444-449.	2.7	59
72	Granular sludge in full-scale anaerobic bioreactors: Trace element content and deficiencies. <i>Enzyme and Microbial Technology</i> , 2006, 39, 337-346.	1.6	58

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73	Removal mechanisms in aerobic slurry bioreactors for remediation of soils and sediments polluted with hydrophobic organic compounds: An overview. <i>Journal of Hazardous Materials</i> , 2017, 339, 427-449.	6.5	58
74	Characterization and pH-dependent leaching behaviour of historical and modern copper slags. <i>Journal of Geochemical Exploration</i> , 2016, 160, 1-15.	1.5	57
75	<i>Pseudomonas moraviensis</i> subsp. <i>stanleyae</i> , a bacterial endophyte of hyperaccumulator <i>Stanleya pinnata</i> , is capable of efficient selenite reduction to elemental selenium under aerobic conditions. <i>Journal of Applied Microbiology</i> , 2015, 119, 400-410.	1.4	56
76	Impact of electrochemical treatment of soil washing solution on PAH degradation efficiency and soil respirometry. <i>Environmental Pollution</i> , 2016, 211, 354-362.	3.7	56
77	Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge. <i>Bioresource Technology</i> , 2016, 206, 1-8.	4.8	56
78	Evaluation of size exclusion chromatography (SEC) for the characterization of extracellular polymeric substances (EPS) in anaerobic granular sludges. <i>Bioresource Technology</i> , 2009, 100, 6258-6268.	4.8	55
79	Phosphorus Removal from Wastewater: The Potential Use of Biochar and the Key Controlling Factors. <i>Water (Switzerland)</i> , 2021, 13, 517.	1.2	55
80	Comparison of Cu, Zn and Fe bioleaching from Cu-metallurgical slags in the presence of <i>Pseudomonas fluorescens</i> and <i>Acidithiobacillus thiooxidans</i> . <i>Applied Geochemistry</i> , 2016, 68, 39-52.	1.4	54
81	Application of Zn isotopes in environmental impact assessment of Zn-Pb metallurgical industries: A mini review. <i>Applied Geochemistry</i> , 2016, 64, 128-135.	1.4	54
82	Mesophilic anaerobic digestion of several types of spent livestock bedding in a batch leach-bed reactor: substrate characterization and process performance. <i>Waste Management</i> , 2017, 59, 129-139.	3.7	54
83	Developments in Bioremediation of Soils and Sediments Polluted with Metals and Radionuclides. 3. Influence of Chemical Speciation and Bioavailability on Contaminants Immobilization/Mobilization Bio-processes. <i>Reviews in Environmental Science and Biotechnology</i> , 2005, 4, 185-212.	3.9	53
84	Performance of a compost and biochar packed biofilter for gas-phase hydrogen sulfide removal. <i>Bioresource Technology</i> , 2019, 273, 581-591.	4.8	52
85	Degradation of anti-inflammatory drug ketoprofen by electro-oxidation: comparison of electro-Fenton and anodic oxidation processes. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8406-8416.	2.7	51
86	Production, recovery and reuse of biogenic elemental selenium. <i>Environmental Chemistry Letters</i> , 2015, 13, 89-96.	8.3	51
87	Pharmaceuticals' removal by constructed wetlands: a critical evaluation and meta-analysis on performance, risk reduction, and role of physicochemical properties on removal mechanisms. <i>Journal of Water and Health</i> , 2020, 18, 253-291.	1.1	51
88	Nickel and cobalt sorption on anaerobic granular sludges: kinetic and equilibrium studies. <i>Journal of Chemical Technology and Biotechnology</i> , 2004, 79, 1219-1227.	1.6	50
89	Entrapped elemental selenium nanoparticles affect physicochemical properties of selenium fed activated sludge. <i>Journal of Hazardous Materials</i> , 2015, 295, 193-200.	6.5	50
90	Application of an electrochemical treatment for EDSS soil washing solution regeneration and reuse in a multi-step soil washing process: Case of a Cu contaminated soil. <i>Journal of Environmental Management</i> , 2015, 163, 62-69.	3.8	50

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91	Continuous removal and recovery of tellurium in an upflow anaerobic granular sludge bed reactor. <i>Journal of Hazardous Materials</i> , 2017, 327, 79-88.	6.5	50
92	Role of lignin and thermophilic lignocellulolytic bacteria in the evolution of humification indices and enzymatic activities during compost production. <i>Waste Management</i> , 2021, 119, 122-134.	3.7	50
93	Bioconversion of Selenate in Methanogenic Anaerobic Granular Sludge. <i>Journal of Environmental Quality</i> , 2006, 35, 1873-1883.	1.0	49
94	Remediation of soils contaminated by hydrophobic organic compounds: How to recover extracting agents from soil washing solutions?. <i>Journal of Hazardous Materials</i> , 2021, 404, 124137.	6.5	49
95	Metal binding properties of extracellular polymeric substances extracted from anaerobic granular sludges. <i>Environmental Science and Pollution Research</i> , 2013, 20, 4509-4519.	2.7	48
96	Effect of digestate application on microbial respiration and bacterial communities' diversity during bioremediation of weathered petroleum hydrocarbons contaminated soils. <i>Science of the Total Environment</i> , 2019, 670, 271-281.	3.9	48
97	Removal of psychoactive pharmaceutical caffeine from water by electro-Fenton process using BDD anode: Effects of operating parameters on removal efficiency. <i>Separation and Purification Technology</i> , 2015, 156, 987-995.	3.9	47
98	Effects of selenium oxyanions on the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2405-2418.	1.7	47
99	Changes of sewage sludge digestate-derived biochar properties after chemical treatments and influence on As(III and V) and Cd(II) sorption. <i>International Biodeterioration and Biodegradation</i> , 2018, 135, 96-102.	1.9	47
100	Beneficial role of biochar addition on the anaerobic digestion of food waste: A systematic and critical review of the operational parameters and mechanisms. <i>Journal of Environmental Management</i> , 2021, 290, 112537.	3.8	47
101	Effect of Cobalt Sorption on Metal Fractionation in Anaerobic Granular Sludge. <i>Journal of Environmental Quality</i> , 2004, 33, 1256.	1.0	46
102	Zn <sup>2+</sup> /Ni sulfide selective precipitation: The role of supersaturation. <i>Separation and Purification Technology</i> , 2010, 74, 108-118.	3.9	45
103	Electrocoagulation of colloidal biogenic selenium. <i>Environmental Science and Pollution Research</i> , 2015, 22, 3127-3137.	2.7	45
104	Cobalt toxicity in anaerobic granular sludge: influence of chemical speciation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2008, 35, 1465-1474.	1.4	44
105	Influence of pH, EDTA/Fe(II) ratio, and microbial culture on Fe(II)-mediated autotrophic denitrification. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21323-21333.	2.7	44
106	Removal of selenite from wastewater in a <i>Phanerochaete chrysosporium</i> pellet based fungal bioreactor. <i>International Biodeterioration and Biodegradation</i> , 2015, 102, 361-369.	1.9	43
107	Comparative performance of anaerobic attached biofilm and granular sludge reactors for the treatment of model mine drainage wastewater containing selenate, sulfate and nickel. <i>Chemical Engineering Journal</i> , 2018, 345, 545-555.	6.6	43
108	Anaerobic Digestion of Fruit Waste Mixed With Sewage Sludge Digestate Biochar: Influence on Biomethane Production. <i>Frontiers in Energy Research</i> , 2020, 8, .	1.2	43

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109	Effects of physico-chemical factors on the viscosity evolution of anaerobic granular sludge. <i>Biochemical Engineering Journal</i> , 2009, 43, 231-238.	1.8	42
110	Selenium Speciation Assessed by X-Ray Absorption Spectroscopy of Sequentially Extracted Anaerobic Biofilms. <i>Environmental Science &amp; Technology</i> , 2008, 42, 7587-7593.	4.6	41
111	Metal mobilization from metallurgical wastes by soil organic acids. <i>Chemosphere</i> , 2017, 178, 197-211.	4.2	41
112	Nano-biochar: A novel solution for sustainable agriculture and environmental remediation. <i>Environmental Research</i> , 2022, 210, 112891.	3.7	41
113	Behaviour of different cementitious material formulations in sewer networks. <i>Water Science and Technology</i> , 2014, 69, 1502-1508.	1.2	40
114	Fluidized-bed denitrification of mining water tolerates high nickel concentrations. <i>Bioresource Technology</i> , 2015, 179, 284-290.	4.8	40
115	Higher Cd adsorption on biogenic elemental selenium nanoparticles. <i>Environmental Chemistry Letters</i> , 2016, 14, 381-386.	8.3	40
116	Methodological approaches for fractionation and speciation to estimate trace element bioavailability in engineered anaerobic digestion ecosystems: An overview. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 1324-1366.	6.6	40
117	WEEE management in a circular economy perspective: an overview. <i>Global Nest Journal</i> , 2018, 20, 743-750.	0.3	40
118	Copper and trace element fractionation in electrokinetically treated methanogenic anaerobic granular sludge. <i>Environmental Pollution</i> , 2005, 138, 517-528.	3.7	39
119	Influence of sulfide concentration and macronutrients on the characteristics of metal precipitates relevant to metal recovery in bioreactors. <i>Bioresource Technology</i> , 2012, 110, 26-34.	4.8	39
120	Citric acid- and Tween® 80-assisted phytoremediation of a co-contaminated soil: alfalfa ( <i>Medicago</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf . 23, 9215-9226.	2.7	39
121	Biomining of tellurium and selenium-tellurium nanoparticles by the white-rot fungus <i>Phanerochaete chrysosporium</i> . <i>International Biodeterioration and Biodegradation</i> , 2017, 124, 258-266.	1.9	39
122	Biological removal of selenate and ammonium by activated sludge in a sequencing batch reactor. <i>Bioresource Technology</i> , 2017, 229, 11-19.	4.8	38
123	Sorption of zinc onto elemental selenium nanoparticles immobilized in <i>Phanerochaete chrysosporium</i> pellets. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21619-21630.	2.7	37
124	Reduction of selenite to elemental selenium nanoparticles by activated sludge. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1193-1202.	2.7	37
125	Laboratory investigation of the phosphorus removal (SRP and TP) from eutrophic lake water treated with aluminium. <i>Water Research</i> , 2006, 40, 2713-2719.	5.3	36
126	Bioalteration of synthetic Fe(III)-, Fe(II)-bearing basaltic glasses and Fe-free glass in the presence of the heterotrophic bacteria strain <i>Pseudomonas aeruginosa</i> : Impact of siderophores. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 147-162.	1.6	36



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127	The Fate of Copper Added to Surface Water: Field, Laboratory, and Modeling Studies. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1386-1399.	2.2	36
128	Effect of total solids content on methane and volatile fatty acid production in anaerobic digestion of food waste. <i>Waste Management and Research</i> , 2014, 32, 947-953.	2.2	35
129	Coal Bottom Ash as Sorbing Material for Fe(II), Cu(II), Mn(II), and Zn(II) Removal from Aqueous Solutions. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	1.1	35
130	Importance of organic amendment characteristics on bioremediation of PAH-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15041-15052.	2.7	35
131	ADM1 based mathematical model of trace element precipitation/dissolution in anaerobic digestion processes. <i>Bioresource Technology</i> , 2018, 267, 666-676.	4.8	35
132	Role of Design and Operational Factors in the Removal of Pharmaceuticals by Constructed Wetlands. <i>Water (Switzerland)</i> , 2019, 11, 2356.	1.2	35
133	Role of Biochar in Anaerobic Digestion Based Biorefinery for Food Waste. <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	34
134	Assessing arsenic redox state evolution in solution and solid phase during As(III) sorption onto chemically-treated sewage sludge digestate biochars. <i>Bioresource Technology</i> , 2019, 275, 232-238.	4.8	34
135	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2003, 146, 75-91.	1.1	33
136	Influence of the binder on the behaviour of mortars exposed to H <sub>2</sub> S in sewer networks: a long-term durability study. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	1.3	33
137	Cobalt sorption onto anaerobic granular sludge: Isotherm and spatial localization analysis. <i>Journal of Biotechnology</i> , 2006, 121, 227-240.	1.9	32
138	Effects of different nickel species on autotrophic denitrification driven by thiosulfate in batch tests and a fluidized-bed reactor. <i>Bioresource Technology</i> , 2017, 238, 534-541.	4.8	32
139	Electro-Fenton removal of TNT: Evidences of the electro-chemical reduction contribution. <i>Applied Catalysis B: Environmental</i> , 2011, 104, 169-176.	10.8	31
140	Title is missing!. <i>Water, Air, and Soil Pollution</i> , 2003, 150, 3-22.	1.1	30
141	ADM1 based mathematical model of trace element complexation in anaerobic digestion processes. <i>Bioresource Technology</i> , 2019, 276, 253-259.	4.8	30
142	Modified Anaerobic Digestion Model No.1 for dry and semi-dry anaerobic digestion of solid organic waste. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 870-880.	1.2	29
143	Bacterially-mediated weathering of crystalline and amorphous Cu-slugs. <i>Applied Geochemistry</i> , 2016, 64, 92-106.	1.4	29
144	A review on the efficiency of landfarming integrated with composting as a soil remediation treatment. <i>Environmental Technology Reviews</i> , 2017, 6, 94-116.	2.1	29

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145	Biological treatment of selenium-laden wastewater containing nitrate and sulfate in an upflow anaerobic sludge bed reactor at pH 5.0. <i>Chemosphere</i> , 2018, 211, 684-693.	4.2	29
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