

# 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

20797

60  
h-index

28275

105  
g-index

303  
all docs

303  
docs citations

303  
times ranked

13323  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioaugmentation of thermophilic lignocellulose degrading bacteria accelerate the composting process of lignocellulosic materials. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 15887-15901.	2.9	7
2	Removal of antimonate (Sb(V)) from aqueous solutions and its immobilization in soils with a novel Fe(III)-modified montmorillonite sorbent. <i>Environmental Science and Pollution Research</i> , 2022, 29, 2073-2083.	2.7	6
3	Surface volatilization modeling of (semi-)volatile hydrophobic organic compounds: The role of reference compounds. <i>Journal of Hazardous Materials</i> , 2022, 424, 127300.	6.5	0
4	Preparation and applications of chitosan and cellulose composite materials. <i>Journal of Environmental Management</i> , 2022, 301, 113850.	3.8	60
5	White biotechnology and the production of bio-products. <i>Systems Microbiology and Biomanufacturing</i> , 2022, 2, 413-429.	1.5	9
6	Effect of Different Enriched Vermicomposts, Humic Acid Extract and Indole-3-Acetic Acid Amendments on the Growth of <i>Brassica napus</i> . <i>Plants</i> , 2022, 11, 227.	1.6	8
7	Effects of biochar dose on cadmium accumulation in spinach and its fractionation in a calcareous soil. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	8
8	Established technologies for metal recovery from industrial wastewater streams. , 2022, , 295-317.		1
9	Nano-biochar: A novel solution for sustainable agriculture and environmental remediation. <i>Environmental Research</i> , 2022, 210, 112891.	3.7	41
10	A Review on Biotechnological Approaches Applied for Marine Hydrocarbon Spills Remediation. <i>Microorganisms</i> , 2022, 10, 1289.	1.6	9
11	Proteomic insights into <i>Lysinibacillus</i> sp.-mediated biosolubilization of manganese. <i>Environmental Science and Pollution Research</i> , 2021, 28, 40249-40263.	2.7	25
12	Low concentration of zeolite to enhance microalgal growth and ammonium removal efficiency in a membrane photobioreactor. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 3863-3876.	1.2	1
13	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
14	Prediction of the removal efficiency of emerging organic contaminants based on design and operational parameters of constructed wetlands. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104592.	3.3	12
15	Functional potential of sewage sludge digestate microbes to degrade aliphatic hydrocarbons during bioremediation of a petroleum hydrocarbons contaminated soil. <i>Journal of Environmental Management</i> , 2021, 280, 111648.	3.8	20
16	A decision tree framework to support design, operation, and performance assessment of constructed wetlands for the removal of emerging organic contaminants. <i>Science of the Total Environment</i> , 2021, 760, 143334.	3.9	5
17	Chromium mobility in ultramafic areas affected by mining activities in Barro Alto massif, Brazil: An isotopic study. <i>Chemical Geology</i> , 2021, 561, 120000.	1.4	11
18	Comparison of thermal and chemical enhanced recovery of DNAPL in saturated porous media: 2D tank pumping experiments and two-phase flow modelling. <i>Science of the Total Environment</i> , 2021, 760, 143958.	3.9	19

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19	Cadmium Selenide Formation Influences the Production and Characteristics of Extracellular Polymeric Substances of Anaerobic Granular Sludge. <i>Applied Biochemistry and Biotechnology</i> , 2021, 193, 965-980.	1.4	5
20	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
21	CHAPTER 9. Secondary Metal Recovery from Slags. <i>Chemistry in the Environment</i> , 2021, , 268-301.	0.2	0
22	Phosphorus Removal from Wastewater: The Potential Use of Biochar and the Key Controlling Factors. <i>Water (Switzerland)</i> , 2021, 13, 517.	1.2	55
23	Microbial Processing of Waste Shredded PCBs for Copper Extraction Cum Separation—Comparing the Efficacy of Bacterial and Fungal Leaching Kinetics and Yields. <i>Metals</i> , 2021, 11, 317.	1.0	11
24	Aqueous alteration and bioalteration of a synthetic enstatite chondrite. <i>Meteoritics and Planetary Science</i> , 2021, 56, 601-618.	0.7	0
25	Effect of cadmium on sorghum root colonization by glomerular fungi and its impact on total and easily extractable glomalin production. <i>Environmental Science and Pollution Research</i> , 2021, 28, 34570-34583.	2.7	7
26	A general framework to model the fate of trace elements in anaerobic digestion environments. <i>Scientific Reports</i> , 2021, 11, 7476.	1.6	9
27	Electrocatalytic removal of fluoroquinolones from simulated pharmaceutical effluent: Chemometric analysis, chemical blueprint of electrodes and generated sludge. <i>Environmental Research</i> , 2021, 195, 110844.	3.7	8
28	Supramolecular aggregation of colloidal natural organic matter masks priority pollutants released in water from peat soil. <i>Environmental Research</i> , 2021, 195, 110761.	3.7	9
29	The anaerobic biodegradation of emerging organic contaminants by horizontal subsurface flow constructed wetlands. <i>Water Science and Technology</i> , 2021, 83, 2809-2828.	1.2	9
30	Biotechnological intervention for societal development (BioSangam 2020). <i>Environmental Science and Pollution Research</i> , 2021, 28, 40217-40219.	2.7	0
31	Editorial: Eco-Sustainable Bioremediation of Textile Dye Wastewaters: Innovative Microbial Treatment Technologies and Mechanistic Insights of Textile Dye Biodegradation. <i>Frontiers in Microbiology</i> , 2021, 12, 707083.	1.5	5
32	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
33	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
34	Permittivity and electrical resistivity measurements and estimations during the recovery of DNAPL in saturated porous media: 2D tank experiments. <i>Journal of Applied Geophysics</i> , 2021, 191, 104359.	0.9	6
35	Towards a Cross-Sectoral View of Nature-Based Solutions for Enabling Circular Cities. <i>Water (Switzerland)</i> , 2021, 13, 2352.	1.2	17
36	Effects of Silicon and Silicon-Based Nanoparticles on Rhizosphere Microbiome, Plant Stress and Growth. <i>Biology</i> , 2021, 10, 791.	1.3	92

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37	Prediction of the removal efficiency of emerging organic contaminants in constructed wetlands based on their physicochemical properties. <i>Journal of Environmental Management</i> , 2021, 294, 112916.	3.8	7
38	Editorial: Advanced Bioremediation Technologies and Processes for the Treatment of Synthetic Organic Compounds. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 721319.	2.0	3
39	Seasonal and spatial variations in atmospheric PM <sub>2.5</sub> -bound PAHs in Karaj city, Iran: Sources, distributions, and health risks. <i>Sustainable Cities and Society</i> , 2021, 72, 103020.	5.1	23
40	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
41	Phytoremediation of Polycyclic Aromatic Hydrocarbons-Contaminated Soils. <i>Soil Biology</i> , 2021, , 419-445.	0.6	5
42	Potential Use of <i>Ascophyllum nodosum</i> as a Biostimulant for Improving the Growth Performance of <i>Vigna aconitifolia</i> (Jacq.) Marechal. <i>Plants</i> , 2021, 10, 2361.	1.6	4
43	Nature-Based Units as Building Blocks for Resource Recovery Systems in Cities. <i>Water (Switzerland)</i> , 2021, 13, 3153.	1.2	11
44	Editorial: Microbial Biominerals: Toward New Functions and Resource Recovery. <i>Frontiers in Microbiology</i> , 2021, 12, 796374.	1.5	4
45	Use of factorial experimental design to study the effects of iron and sulfur on growth of <i>Scenedesmus acuminatus</i> with different nitrogen sources. <i>Journal of Applied Phycology</i> , 2020, 32, 221-231.	1.5	9
46	On the difficulties of being rigorous in environmental geochemistry studies: some recommendations for designing an impactful paper. <i>Environmental Science and Pollution Research</i> , 2020, 27, 1267-1275.	2.7	16
47	Thermal and chemical enhanced recovery of heavy chlorinated organic compounds in saturated porous media: 1D cell drainage-imbibition experiments. <i>Science of the Total Environment</i> , 2020, 706, 135758.	3.9	19
48	Biodeterioration Affecting Efficiency and Lifetime of Plastic-Based Photovoltaics. <i>Joule</i> , 2020, 4, 2088-2100.	11.7	6
49	Performance Comparison of Different Constructed Wetlands Designs for the Removal of Personal Care Products. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3091.	1.2	26
50	The Influence of Design and Operational Factors on the Removal of Personal Care Products by Constructed Wetlands. <i>Water (Switzerland)</i> , 2020, 12, 1367.	1.2	13
51	Recovery of phosphorus from municipal wastewater treatment sludge through bioleaching using <i>Acidithiobacillus thiooxidans</i> . <i>Journal of Environmental Management</i> , 2020, 270, 110818.	3.8	23
52	The growth of open access publishing in geochemistry. <i>Results in Geochemistry</i> , 2020, 1, 100001.	0.3	7
53	Open Access publishing practice in geochemistry: overview of current state and look to the future. <i>Heliyon</i> , 2020, 6, e03551.	1.4	7
54	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

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55	Processing of Waste Copper Converter Slag Using Organic Acids for Extraction of Copper, Nickel, and Cobalt. <i>Minerals</i> (Basel, Switzerland), 2020, 10, 290.	0.8	16
56	Evaluation of Fe(II)-driven autotrophic denitrification in packed-bed reactors at different nitrate loading rates. <i>Chemical Engineering Research and Design</i> , 2020, 142, 317-324.	2.7	14
57	A review on the occurrence, fate and removal of steroidal hormones during treatment with different types of constructed wetlands. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103793.	3.3	22
58	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
59	Potential Use of Waste-to-Bioenergy By-Products in Bioremediation of Total Petroleum Hydrocarbons (TPH)-Contaminated Soils. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , 239-282.	0.2	5
60	Electro-Fenton treatment of a complex pharmaceutical mixture: Mineralization efficiency and biodegradability enhancement. <i>Chemosphere</i> , 2020, 253, 126659.	4.2	78
61	Biochar from various lignocellulosic biomass wastes as an additive in biogas production from food waste. , 2020, , 199-217.		2
62	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
63	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
64	Raman Spectroscopy Study of Glass Alteration. , 2020, , .		0
65	Free Product Recovery of Non-aqueous Phase Liquids in Contaminated Sites: Theory and Case Studies. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , 61-148.	0.2	0
66	In Situ Thermal Treatments and Enhancements: Theory and Case Study. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2020, , 149-209.	0.2	2
67	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
68	Leaching and Selective Recovery of Cu from Printed Circuit Boards. <i>Metals</i> , 2019, 9, 1034.	1.0	24
69	Data of OECD soil and leachate resulting from irrigation with aqueous solution containing trace metals at increasing sodium concentration. <i>Data in Brief</i> , 2019, 25, 104276.	0.5	0
70	Mineral characterization of the biogenic Fe(III)(hydr)oxides produced during Fe(II)-driven denitrification with Cu, Ni and Zn. <i>Science of the Total Environment</i> , 2019, 687, 401-412.	3.9	18
71	Bacterial seeding potential of digestate in bioremediation of diesel contaminated soil. <i>International Biodeterioration and Biodegradation</i> , 2019, 143, 104715.	1.9	25
72	A simultaneous assessment of organic matter and trace elements bio-accessibility in substrate and digestate from an anaerobic digestion plant. <i>Bioresource Technology</i> , 2019, 288, 121587.	4.8	15

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73	Effect of sodium concentration on mobilization and fate of trace metals in standard OECD soil. <i>Environmental Pollution</i> , 2019, 250, 839-848.	3.7	11
74	Distribution trend of trace elements in digestate exposed to air: Laboratory-scale investigations using DGT-based fractionation. <i>Journal of Environmental Management</i> , 2019, 238, 159-165.	3.8	1
75	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
76	Role of Biochar in Anaerobic Digestion Based Biorefinery for Food Waste. <i>Frontiers in Energy Research</i> , 2019, 7, .	1.2	34
77	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
78	Bioleaching kinetics of trace metals from coal ash using <i>Pseudomonas spp.</i> . <i>MATEC Web of Conferences</i> , 2019, 268, 01010.	0.1	6
79	Critical Raw Materials Recovery through Bio/Hydrometallurgy from Secondary Resources. <i>Metals</i> , 2019, 9, 1228.	1.0	0
80	Role of Design and Operational Factors in the Removal of Pharmaceuticals by Constructed Wetlands. <i>Water (Switzerland)</i> , 2019, 11, 2356.	1.2	35
81	Assessment of the DGT technique in digestate to fraction twelve trace elements. <i>Talanta</i> , 2019, 192, 204-211.	2.9	3
82	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
83	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
84	ADM1 based mathematical model of trace element complexation in anaerobic digestion processes. <i>Bioresource Technology</i> , 2019, 276, 253-259.	4.8	30
85	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
86	Simultaneous removal of sulfate and selenate from wastewater by process integration of an ion exchange column and upflow anaerobic sludge blanket bioreactor. <i>Separation Science and Technology</i> , 2019, 54, 1387-1399.	1.3	10
87	Bioprocesses for the Treatment of Volatile Organic Compounds. , 2019, , 207-224.		0
88	Role of Extracellular Polymeric Substances (EPS) in Cell Surface Hydrophobicity. , 2019, , 128-153.		0
89	Assessing chromium mobility in natural surface waters: Colloidal contribution to the isotopically exchangeable pool of chromium (EwCr value). <i>Applied Geochemistry</i> , 2018, 92, 19-29.	1.4	4
90	Effect of Cu, Ni and Zn on Fe(II)-driven autotrophic denitrification. <i>Journal of Environmental Management</i> , 2018, 218, 209-219.	3.8	24

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91	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
92	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
93	Selenate removal in biofilm systems: effect of nitrate and sulfate on selenium removal efficiency, biofilm structure and microbial community. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 2380-2389.	1.6	20
94	Decolourization of Real Textile Wastewater by the Combination of Photocatalytic and Biological Oxidation Processes. <i>Advances in Science, Technology and Innovation</i> , 2018, , 115-117.	0.2	5
95	Remediation of Selenium Contaminated Wastewater. <i>Advances in Science, Technology and Innovation</i> , 2018, , 23-24.	0.2	0
96	Zn isotopes fractionation during slags' weathering: One source of contamination, multiple isotopic signatures. <i>Chemosphere</i> , 2018, 195, 483-490.	4.2	14
97	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
98	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
99	Alteration of the characteristics of extracellular polymeric substances (EPS) extracted from the fungus <i>Phanerochaete chrysosporium</i> when exposed to sub-toxic concentrations of nickel (II). <i>International Biodeterioration and Biodegradation</i> , 2018, 129, 179-188.	1.9	25
100	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
101	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
102	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
103	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
104	Bioleaching of trace metals from coal ash using local isolate from coal ash ponds. <i>MATEC Web of Conferences</i> , 2018, 156, 03031.	0.1	3
105	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
106	Weathering of historical copper slags in dynamic experimental system with rhizosphere-like organic acids. <i>Journal of Environmental Management</i> , 2018, 222, 325-337.	3.8	18
107	ADM1 based mathematical model of trace element precipitation/dissolution in anaerobic digestion processes. <i>Bioresource Technology</i> , 2018, 267, 666-676.	4.8	35
108	(Bio)leaching Behavior of Chromite Tailings. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 261.	0.8	17

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109	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
110	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
111	Amberlite IRA-900 Ion Exchange Resin for the Sorption of Selenate and Sulfate: Equilibrium, Kinetic, and Regeneration Studies. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, 04018110.	0.7	11
112	Gas-liquid oxygen transfer in aerated and agitated slurry systems with high solid volume fractions. <i>Chemical Engineering Journal</i> , 2018, 350, 1073-1083.	6.6	19
113	Effect of elevated nitrate and sulfate concentrations on selenate removal by mesophilic anaerobic granular sludge bed reactors. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 303-314.	1.2	15
114	WEEE management in a circular economy perspective: an overview. <i>Global Nest Journal</i> , 2018, 20, 743-750.	0.3	40
115	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
116	Bioleaching and selective biorecovery of zinc from zinc metallurgical leach residues from the TrÃs Marias zinc plant (Minas Gerais, Brazil). <i>Journal of Chemical Technology and Biotechnology</i> , 2017, 92, 512-521.	1.6	23
117	Influence of activated sewage sludge amendment on PAH removal efficiency from a naturally contaminated soil: application of the landfarming treatment. <i>Environmental Technology (United Kingdom)</i> , 2017, 38, 1073-1083.	0.784324	10
118	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
119	Comparison of the mesophilic and thermophilic anaerobic digestion of spent cow bedding in leach-bed reactors. <i>Bioresource Technology</i> , 2017, 234, 466-471.	4.8	21
120	Leachate flush strategies for managing volatile fatty acids accumulation in leach-bed reactors. <i>Bioresource Technology</i> , 2017, 232, 93-102.	4.8	23
121	Biosynthesis of CdSe nanoparticles by anaerobic granular sludge. <i>Environmental Science: Nano</i> , 2017, 4, 824-833.	2.2	23
122	Hydrophobic molecular features of EPS extracted from anaerobic granular sludge treating wastewater from a paper recycling plant. <i>Process Biochemistry</i> , 2017, 58, 266-275.	1.8	15
123	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
124	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
125	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
126	Biomineralization 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



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127	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
128	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
129	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
130	Metal mobilization from metallurgical wastes by soil organic acids. <i>Chemosphere</i> , 2017, 178, 197-211.	4.2	41
131	Enrichment of Anammox Biomass from Different Seeding Sludge: Process Strategy and Microbial Diversity. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	13
132	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
133	Hydrophobic features of EPS extracted from anaerobic granular sludge: an investigation based on DAX-8 resin fractionation and size exclusion chromatography. <i>Applied Microbiology and Biotechnology</i> , 2017, 101, 3427-3438.	1.7	10
134	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
135	Characteristics of PAH tar oil contaminated soils – Black particles, resins and implications for treatment strategies. <i>Journal of Hazardous Materials</i> , 2017, 327, 206-215.	6.5	26
136	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
137	Industrial Selenium Pollution: Sources and Biological Treatment Technologies. , 2017, , 75-101.		12
138	Biorecovery of Metals from Electronic Waste. <i>Environmental Chemistry for A Sustainable World</i> , 2017, , 241-278.	0.3	7
139	Quantitative and qualitative characterization of extracellular polymeric substances from Anammox enrichment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017, 80, 738-746.	2.7	8
140	Leaching and Recovery of Metals. <i>Environmental Chemistry for A Sustainable World</i> , 2017, , 161-206.	0.3	10
141	Immobilization of Metal Ions from Acid Mine Drainage by Coal Bottom Ash. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	1.1	6
142	Understanding Selenium Biogeochemistry in Engineered Ecosystems: Transformation and Analytical Methods. , 2017, , 33-56.		4
143	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
144	Investigation of different ethylenediamine-N,Nâ€²-disuccinic acid-enhanced washing configurations for remediation of a Cu-contaminated soil: process kinetics and efficiency comparison between single-stage and multi-stage configurations. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21960-21972.	2.7	19

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145	Modified Sample Preparation Approach for the Determination of the Phenolic and Humic-Like Substances in Natural Organic Materials By the Folin Ciocalteu Method. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 10666-10672.	2.4	11
146	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
147	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
148	Two-Step Leaching of Valuable Metals from Discarded Printed Circuit Boards, and Process Optimization Using Response Surface Methodology. <i>Advances in Recycling &amp; Waste Management</i> , 2017, 02, .	0.4	8
149	Industrial Selenium Pollution: Wastewaters and Physical/Chemical Treatment Technologies. , 2017, , 103-130.		4
150	Lead and Zinc Metallurgical Slags Mineralogy and Weathering. <i>Environmental Chemistry for A Sustainable World</i> , 2017, , 133-160.	0.3	1
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