

# Piet Lens

## List of Publications by Year in descending order

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636  
papers

28,356  
citations

7551

77  
h-index

13727

129  
g-index

658  
all docs

658  
docs citations

658  
times ranked

19680  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on dark fermentative biohydrogen production from organic biomass: Process parameters and use of by-products. <i>Applied Energy</i> , 2015, 144, 73-95.	5.1	747
2	Pretreatment methods to enhance anaerobic digestion of organic solid waste. <i>Applied Energy</i> , 2014, 123, 143-156.	5.1	692
3	Anaerobic sludge granulation. <i>Water Research</i> , 2004, 38, 1376-1389.	5.3	531
4	Biotechnological Treatment of Sulfate-Rich Wastewaters. <i>Critical Reviews in Environmental Science and Technology</i> , 1998, 28, 41-88.	6.6	422
5	The ins and outs of microorganismâ€™electrode electron transfer reactions. <i>Nature Reviews Chemistry</i> , 2017, 1, .	13.8	385
6	Microbial Fuel Cells for Sulfide Removalâ€™. <i>Environmental Science &amp; Technology</i> , 2006, 40, 5218-5224.	4.6	366
7	The essential toxin: The changing perception of selenium in environmental sciences. <i>Science of the Total Environment</i> , 2009, 407, 3620-3633.	3.9	343
8	Selenium: environmental significance, pollution, and biological treatment technologies. <i>Biotechnology Advances</i> , 2016, 34, 886-907.	6.0	338
9	Electron donors for autotrophic denitrification. <i>Chemical Engineering Journal</i> , 2019, 362, 922-937.	6.6	327
10	Ecology and Biotechnology of Selenium-Respiring Bacteria. <i>Microbiology and Molecular Biology Reviews</i> , 2015, 79, 61-80.	2.9	319
11	Metals removal and recovery in bioelectrochemical systems: A review. <i>Bioresource Technology</i> , 2015, 195, 102-114.	4.8	318
12	Low-frequency ultrasound in biotechnology: state of the art. <i>Trends in Biotechnology</i> , 2009, 27, 298-306.	4.9	287
13	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
14	Biological and Bioelectrochemical Recovery of Critical and Scarce Metals. <i>Trends in Biotechnology</i> , 2016, 34, 137-155.	4.9	234
15	Anaerobic treatment of sulphate-containing waste streams. <i>Antonie Van Leeuwenhoek</i> , 1995, 67, 29-46.	0.7	225
16	Selenium biomineralization for biotechnological applications. <i>Trends in Biotechnology</i> , 2015, 33, 323-330.	4.9	214
17	Treatment of Waste Gases Contaminated with Odorous Sulfur Compounds. <i>Critical Reviews in Environmental Science and Technology</i> , 1998, 28, 89-117.	6.6	212
18	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

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19	Microalgal-bacterial consortia: From interspecies interactions to biotechnological applications. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 118, 109563.	8.2	210
20	Metal immobilisation by biofilms: Mechanisms and analytical tools. <i>Reviews in Environmental Science and Biotechnology</i> , 2003, 2, 9-33.	3.9	205
21	Recent advances in nutrient removal and recovery in biological and bioelectrochemical systems. <i>Bioresource Technology</i> , 2016, 215, 173-185.	4.8	202
22	Anaerobic treatment of sulphate-rich wastewaters. <i>Biodegradation</i> , 1998, 9, 213-224.	1.5	184
23	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
24	Fungal pelleted reactors in wastewater treatment: Applications and perspectives. <i>Chemical Engineering Journal</i> , 2016, 283, 553-571.	6.6	183
25	Two-step bioleaching of copper and gold from discarded printed circuit boards (PCB). <i>Waste Management</i> , 2016, 57, 149-157.	3.7	180
26	Removal of heavy metals and cyanide from gold mine wastewater. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 590-613.	1.6	179
27	Enhancement of aerobic granulation and nutrient removal by an algal-bacterial consortium in a lab-scale photobioreactor. <i>Chemical Engineering Journal</i> , 2018, 334, 2373-2382.	6.6	177
28	Environmental performance comparison of bioplastics and petrochemical plastics: A review of life cycle assessment (LCA) methodological decisions. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105451.	5.3	169
29	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
30	Sustainable sanitation technology options for urban slums. <i>Biotechnology Advances</i> , 2012, 30, 964-978.	6.0	150
31	Chemolithotrophic denitrification in biofilm reactors. <i>Chemical Engineering Journal</i> , 2015, 280, 643-657.	6.6	147
32	Trace Metals in Anaerobic Granular Sludge Reactors: Bioavailability and Dosing Strategies. <i>Engineering in Life Sciences</i> , 2006, 6, 293-301.	2.0	146
33	Sulfide-iron interactions in domestic wastewater from a gravity sewer. <i>Water Research</i> , 2005, 39, 2747-2755.	5.3	143
34	Removal of estrone, 17 $\beta$ -ethinylestradiol, and 17 $\alpha$ -estradiol in algae and duckweed-based wastewater treatment systems. <i>Environmental Science and Pollution Research</i> , 2010, 17, 824-833.	2.7	142
35	Heavy metal removal in duckweed and algae ponds as a polishing step for textile wastewater treatment. <i>Ecological Engineering</i> , 2012, 44, 102-110.	1.6	141
36	Photo-oxygenation to support nitrification in an algal-bacterial consortium treating artificial wastewater. <i>Bioresource Technology</i> , 2013, 134, 244-250.	4.8	141

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37	Enhanced anaerobic digestion of food waste by thermal and ozonation pretreatment methods. <i>Journal of Environmental Management</i> , 2014, 146, 142-149.	3.8	141
38	Increased biogas production from wheat straw by chemical pretreatments. <i>Renewable Energy</i> , 2018, 119, 608-614.	4.3	141
39	Selenate removal in methanogenic and sulfate-reducing upflow anaerobic sludge bed reactors. <i>Water Research</i> , 2008, 42, 2184-2194.	5.3	133
40	The Anaerobic Digestion of Rice Straw: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 895-915.	6.6	132
41	Distribution of Sulfate-Reducing and Methanogenic Bacteria in Anaerobic Aggregates Determined by Microsensor and Molecular Analyses. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4618-4629.	1.4	131
42	Application of bacteria involved in the biological sulfur cycle for paper mill effluent purification. <i>Science of the Total Environment</i> , 2009, 407, 1333-1343.	3.9	130
43	Algae based microbial fuel cells for wastewater treatment and recovery of value-added products. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 132, 110041.	8.2	127
44	Impacts of sulfur source and temperature on sulfur-driven denitrification by pure and mixed cultures of <i>Thiobacillus</i> . <i>Process Biochemistry</i> , 2016, 51, 1576-1584.	1.8	123
45	Effect of upward velocity and sulphide concentration on volatile fatty acid degradation in a sulphidogenic granular sludge reactor. <i>Process Biochemistry</i> , 1996, 31, 699-710.	1.8	122
46	Metal supplementation to UASB bioreactors: from cell-metal interactions to full-scale application. <i>Science of the Total Environment</i> , 2009, 407, 3652-3667.	3.9	121
47	Adsorption of zinc by biogenic elemental selenium nanoparticles. <i>Chemical Engineering Journal</i> , 2015, 260, 855-863.	6.6	119
48	Comparison of three sequential extraction procedures to describe metal fractionation in anaerobic granular sludges. <i>Talanta</i> , 2005, 65, 549-558.	2.9	117
49	Application of Quantitative Microbial Risk Assessment to analyze the public health risk from poor drinking water quality in a low income area in Accra, Ghana. <i>Science of the Total Environment</i> , 2013, 449, 134-142.	3.9	117
50	Microbial Community Composition and Ultrastructure of Granules from a Full-Scale Anammox Reactor. <i>Microbial Ecology</i> , 2015, 70, 118-131.	1.4	115
51	Effect of ammoniacal nitrogen on one-stage and two-stage anaerobic digestion of food waste. <i>Waste Management</i> , 2015, 38, 388-398.	3.7	113
52	Cluster Structure of Anaerobic Aggregates of an Expanded Granular Sludge Bed Reactor. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3683-3692.	1.4	112
53	Dark fermentation of complex waste biomass for biohydrogen production by pretreated thermophilic anaerobic digestate. <i>Journal of Environmental Management</i> , 2015, 152, 43-48.	3.8	111
54	High rate sulfate reduction in a submerged anaerobic membrane bioreactor (SAMBaR) at high salinity. <i>Journal of Membrane Science</i> , 2005, 253, 217-232.	4.1	110

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55	Desulfotomaculum carboxydvorans sp. nov., a novel sulfate-reducing bacterium capable of growth at 100% CO. International Journal of Systematic and Evolutionary Microbiology, 2005, 55, 2159-2165.	0.8	103
56	Quantification of microbial risks to human health caused by waterborne viruses and bacteria in an urban slum. Journal of Applied Microbiology, 2014, 116, 447-463.	1.4	103
57	Production of biohythane from food waste via an integrated system of continuously stirred tank and anaerobic fixed bed reactors. Bioresource Technology, 2016, 220, 312-322.	4.8	102
58	LONG-TERM COMPETITION BETWEEN SULPHATE-REDUCING AND METHANE-PRODUCING BACTERIA DURING FULL-SCALE ANAEROBIC TREATMENT OF CITRIC ACID PRODUCTION WASTEWATER. Water Research, 1998, 32, 815-825.	5.3	100
59	Combined removal of sulfur compounds and nitrate by autotrophic denitrification in bioaugmented activated sludge system. Biotechnology and Bioengineering, 2007, 98, 551-560.	1.7	99
60	Removal of Cu(II) by biosorption onto coconut shell in fixed-bed column systems. Journal of Industrial and Engineering Chemistry, 2013, 19, 841-848.	2.9	99
61	The dairy biorefinery: Integrating treatment processes for cheese whey valorisation. Journal of Environmental Management, 2020, 276, 111240.	3.8	99
62	Microbial CO Conversions with Applications in Synthesis Gas Purification and Bio-Desulfurization. Critical Reviews in Biotechnology, 2006, 26, 41-65.	5.1	97
63	Performance of a sulfide-oxidizing expanded-bed reactor supplied with dissolved oxygen. , 1997, 53, 32-40.		94
64	Metal chalcogenide quantum dots: biotechnological synthesis and applications. RSC Advances, 2016, 6, 41477-41495.	1.7	94
65	Sulfate reducing and methane producing bacteria in aerobic wastewater treatment systems. Water Research, 1995, 29, 871-880.	5.3	92
66	Extension of Anaerobic Digestion Model No. 1 with Processes of Sulfate Reduction. Applied Biochemistry and Biotechnology, 2003, 109, 33-46.	1.4	92
67	Organic waste biorefineries: Looking towards implementation. Waste Management, 2020, 114, 274-286.	3.7	91
68	Developments and constraints in fermentative hydrogen production. Biofuels, Bioproducts and Biorefining, 2007, 1, 201-214.	1.9	90
69	Sorption of cobalt and nickel on anaerobic granular sludges: isotherms and sequential extraction. Chemosphere, 2005, 58, 493-505.	4.2	89
70	Acid Mine Drainage Treatment in Fluidized-Bed Bioreactors by Sulfate-Reducing Bacteria: A Critical Review. Critical Reviews in Environmental Science and Technology, 2013, 43, 2545-2580.	6.6	89
71	Copper Metallurgical Slags " Current Knowledge and Fate: A Review. Critical Reviews in Environmental Science and Technology, 2015, 45, 2424-2488.	6.6	89
72	Bioleaching of metals from WEEE shredding dust. Journal of Environmental Management, 2018, 210, 180-190.	3.8	89

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73	Enrichment of anaerobic methanotrophs in sulfate-reducing membrane bioreactors. <i>Biotechnology and Bioengineering</i> , 2009, 104, 458-470.	1.7	88
74	Selection of sustainable sanitation technologies for urban slums – A case of Bwaise III in Kampala, Uganda. <i>Science of the Total Environment</i> , 2010, 409, 52-62.	3.9	88
75	Perspectives of sulfate reducing bioreactors in environmental biotechnology. <i>Reviews in Environmental Science and Biotechnology</i> , 2002, 1, 311-325.	3.9	87
76	Effects of operational parameters on dark fermentative hydrogen production from biodegradable complex waste biomass. <i>Waste Management</i> , 2016, 50, 55-64.	3.7	87
77	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
78	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
79	Recycling of European plastic is a pathway for plastic debris in the ocean. <i>Environment International</i> , 2020, 142, 105893.	4.8	83
80	Selective precipitation of Cu from Zn in a pS controlled continuously stirred tank reactor. <i>Journal of Hazardous Materials</i> , 2009, 165, 256-265.	6.5	81
81	Effect of NaCl on thermophilic (55°C) methanol degradation in sulfate reducing granular sludge reactors. <i>Water Research</i> , 2003, 37, 2269-2280.	5.3	80
82	Phytoremediation of Landfill Leachate with <i>Colocasia esculenta</i> , <i>Gynerum sagittatum</i> and <i>Heliconia psittacorum</i> in Constructed Wetlands. <i>International Journal of Phytoremediation</i> , 2015, 17, 16-24.	1.7	80
83	Biological Reduction of Nitric Oxide in Aqueous Fe(II)EDTA Solutions. <i>Biotechnology Progress</i> , 2008, 19, 1323-1328.	1.3	79
84	Trace elements dosing and alkaline pretreatment in the anaerobic digestion of rice straw. <i>Bioresource Technology</i> , 2018, 247, 897-903.	4.8	79
85	Effect of light intensity on the characteristics of algal-bacterial granular sludge and the role of N-acyl-homoserine lactone in the granulation. <i>Science of the Total Environment</i> , 2019, 659, 372-383.	3.9	78
86	Performance comparison and economics analysis of waste stabilization ponds and horizontal subsurface flow constructed wetlands treating domestic wastewater: A case study of the Juja sewage treatment works. <i>Journal of Environmental Management</i> , 2013, 128, 220-225.	3.8	76
87	Carbon monoxide conversion by anaerobic bioreactor sludges. <i>FEMS Microbiology Ecology</i> , 2003, 44, 271-277.	1.3	75
88	Anaerobic treatment of partly acidified wastewater in a two-stage expanded granular sludge bed (EGSB) system at 8°C. <i>Water Science and Technology</i> , 1997, 36, 317-324.	1.2	74
89	Biohydrogen production from food waste by coupling semi-continuous dark-photofermentation and residue post-treatment to anaerobic digestion: A synergy for energy recovery. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 16045-16055.	3.8	74
90	Selective enrichment of biocatalysts for bioelectrochemical systems: A critical review. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 109, 10-23.	8.2	74

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91	Heterogeneous Distribution of Microbial Activity in Methanogenic Aggregates: pH and Glucose Microprofiles. <i>Applied and Environmental Microbiology</i> , 1993, 59, 3803-3815.	1.4	74
92	Removal of colloidal biogenic selenium from wastewater. <i>Chemosphere</i> , 2015, 125, 130-138.	4.2	73
93	Elemental sulfur-based autotrophic denitrification and denitritation: microbially catalyzed sulfur hydrolysis and nitrogen conversions. <i>Journal of Environmental Management</i> , 2018, 211, 313-322.	3.8	72
94	Direct treatment of domestic wastewater by percolation over peat, bark and woodchips. <i>Water Research</i> , 1994, 28, 17-26.	5.3	71
95	Growth of Anaerobic Methane-Oxidizing Archaea and Sulfate-Reducing Bacteria in a High-Pressure Membrane Capsule Bioreactor. <i>Applied and Environmental Microbiology</i> , 2015, 81, 1286-1296.	1.4	71
96	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
97	A sustainable strategy for effective regulation of aerobic granulation: Augmentation of the signaling molecule content by cultivating AHL-producing strains. <i>Water Research</i> , 2020, 169, 115193.	5.3	69
98	Distribution of extracellular polysaccharides and flotation of anaerobic sludge. <i>Applied Microbiology and Biotechnology</i> , 1996, 46, 197-201.	1.7	68
99	Microbial synthesis of chalcogenide semiconductor nanoparticles: a review. <i>Microbial Biotechnology</i> , 2016, 9, 11-21.	2.0	68
100	Anaerobic bioprocessing of organic wastes. <i>World Journal of Microbiology and Biotechnology</i> , 1996, 12, 221-238.	1.7	67
101	Biosorption of Pb(II) Ions from Aqueous Solutions by Waste Biomass from Biotrickling Filters: Kinetics, Isotherms, and Thermodynamics. <i>Journal of Environmental Engineering, ASCE</i> , 2016, 142, .	0.7	67
102	Mathematical modelling as a tool to study population dynamics between sulfate reducing and methanogenic bacteria. <i>Biodegradation</i> , 1998, 9, 187-199.	1.5	66
103	Viscosity evolution of anaerobic granular sludge. <i>Biochemical Engineering Journal</i> , 2006, 27, 315-322.	1.8	66
104	Selenite reduction and ammoniacal nitrogen removal in an aerobic granular sludge sequencing batch reactor. <i>Water Research</i> , 2018, 131, 131-141.	5.3	66
105	H <sub>2</sub> S removal and microbial community composition in an anoxic biotrickling filter under autotrophic and mixotrophic conditions. <i>Journal of Hazardous Materials</i> , 2019, 367, 397-406.	6.5	65
106	Effect of staging on volatile fatty acid degradation in a sulfidogenic granular sludge reactor. <i>Water Research</i> , 1998, 32, 1178-1192.	5.3	64
107	Physiology and Distribution of Archaeal Methanotrophs That Couple Anaerobic Oxidation of Methane with Sulfate Reduction. <i>Microbiology and Molecular Biology Reviews</i> , 2019, 83, .	2.9	64
108	Degradation of Methanethiol by Methylotrophic Methanogenic Archaea in a Lab-Scale Upflow Anaerobic Sludge Blanket Reactor. <i>Applied and Environmental Microbiology</i> , 2006, 72, 7540-7547.	1.4	63

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109	Selenite Reduction by Anaerobic Microbial Aggregates: Microbial Community Structure, and Proteins Associated to the Produced Selenium Spheres. <i>Frontiers in Microbiology</i> , 2016, 7, 571.	1.5	63
110	Biokinetics of microbial consortia using biogenic sulfur as a novel electron donor for sustainable denitrification. <i>Bioresource Technology</i> , 2018, 270, 359-367.	4.8	63
111	Characterization of the diffusive properties of biofilms using pulsed field gradient-nuclear magnetic resonance. , 1998, 60, 283-291.		62
112	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
113	Quantitative Microbial Risk Analysis to evaluate health effects of interventions in the urban water system of Accra, Ghana. <i>Journal of Water and Health</i> , 2010, 8, 417-430.	1.1	62
114	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
115	Effect of temperature on selenium removal from wastewater by UASB reactors. <i>Water Research</i> , 2016, 94, 146-154.	5.3	62
116	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
117	Nitrification by microalgal-bacterial consortia for ammonium removal in flat panel sequencing batch photo-bioreactors. <i>Bioresource Technology</i> , 2017, 245, 81-89.	4.8	62
118	Hydrogen Production by the Thermophilic Bacterium <i>Thermotoga neapolitana</i> . <i>International Journal of Molecular Sciences</i> , 2015, 16, 12578-12600.	1.8	61
119	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
120	A novel strategy for rapid development of a self-sustaining symbiotic algal-bacterial granular sludge: Applying algal-mycelial pellets as nuclei. <i>Water Research</i> , 2022, 214, 118210.	5.3	61
121	Decreased activity of a propionate degrading community in a UASB reactor fed with synthetic medium without molybdenum, tungsten and selenium. <i>Enzyme and Microbial Technology</i> , 2009, 45, 139-145.	1.6	60
122	Use of biogenic sulfide for ZnS precipitation. <i>Separation and Purification Technology</i> , 2006, 51, 31-39.	3.9	59
123	Bioaugmentation of UASB reactors with immobilized <i>Sulfurospirillum barnesii</i> for simultaneous selenate and nitrate removal. <i>Applied Microbiology and Biotechnology</i> , 2009, 83, 377-388.	1.7	59
124	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
125	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
126	Graphene Facilitates Biomethane Production from Protein-Derived Glycine in Anaerobic Digestion. <i>IScience</i> , 2018, 10, 158-170.	1.9	59

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127	Fermentative hydrogen production from cheese whey with in-line, concentration gradient-driven butyric acid extraction. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 24453-24466.	3.8	59
128	Effect of feed composition and upflow velocity on aggregate characteristics in anaerobic upflow reactors. <i>Applied Microbiology and Biotechnology</i> , 1997, 47, 102-107.	1.7	58
129	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
130	Continuous biohydrogen production by thermophilic dark fermentation of cheese whey: Use of buffalo manure as buffering agent. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 4861-4869.	3.8	58
131	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
132	Investigating the performance of internet of things based anaerobic digestion of food waste. <i>Chemical Engineering Research and Design</i> , 2019, 127, 277-287.	2.7	57
133	Effect of sulfide concentration on the location of the metal precipitates in inversed fluidized bed reactors. <i>Journal of Hazardous Materials</i> , 2011, 192, 200-7.	6.5	56
134	<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
135	Effect of heavy metal co-contaminants on selenite bioreduction by anaerobic granular sludge. <i>Bioresource Technology</i> , 2016, 206, 1-8.	4.8	56
136	Effect of total solids content on biohydrogen production and lactic acid accumulation during dark fermentation of organic waste biomass. <i>Bioresource Technology</i> , 2018, 248, 180-186.	4.8	56
137	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
138	Performance Evaluation of Horizontal Subsurface Flow Constructed Wetlands for the Treatment of Domestic Wastewater in the Tropics. <i>Journal of Environmental Engineering, ASCE</i> , 2013, 139, 358-367.	0.7	55
139	NMR and MALDI-TOF MS based characterization of exopolysaccharides in anaerobic microbial aggregates from full-scale reactors. <i>Scientific Reports</i> , 2015, 5, 14316.	1.6	55
140	Effect of Environmental Conditions on Sulfate Reduction with Methane as Electron Donor by an <i>Eckernförde Bay</i> Enrichment. <i>Environmental Science &amp; Technology</i> , 2009, 43, 6553-6559.	4.6	54
141	Development and start up of a gas-lift anaerobic membrane bioreactor (Gl-AnMBR) for conversion of sewage to energy, water and nutrients. <i>Journal of Membrane Science</i> , 2013, 441, 158-167.	4.1	54
142	Grey water characterisation and pollutant loads in an urban slum. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 423-436.	1.8	54
143	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
144	Solvent Pretreatments of Lignocellulosic Materials to Enhance Biogas Production: A Review. <i>Energy &amp; Fuels</i> , 2016, 30, 1892-1903.	2.5	54

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145	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
146	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
147	Effect of methanogenic substrates on anaerobic oxidation of methane and sulfate reduction by an anaerobic methanotrophic enrichment. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1499-1506.	1.7	53
148	3D model for a secondary facultative pond. <i>Ecological Modelling</i> , 2011, 222, 1592-1603.	1.2	53
149	Enhanced mesophilic anaerobic digestion of food waste by thermal pretreatment: Substrate versus digestate heating. <i>Waste Management</i> , 2015, 46, 176-181.	3.7	53
150	Enzymatic versus Nonenzymatic Conversions during the Reduction of EDTA-Chelated Fe(III) in BioDeNOxReactors. <i>Environmental Science &amp; Technology</i> , 2005, 39, 2616-2623.	4.6	52
151	Production, recovery and reuse of biogenic elemental selenium. <i>Environmental Chemistry Letters</i> , 2015, 13, 89-96.	8.3	51
152	Effect of pH on Cu, Ni and Zn removal by biogenic sulfide precipitation in an inversed fluidized bed bioreactor. <i>Hydrometallurgy</i> , 2015, 158, 94-100.	1.8	51
153	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
154	NOx removal from flue gas by an integrated physicochemical absorption and biological denitrification process. <i>Biotechnology and Bioengineering</i> , 2005, 90, 433-441.	1.7	50
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