Piet Lens

List of Publications by Year
in descending order

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	Bio-oil production from oleaginous microorganisms using hydrothermal liquefaction: A biorefinery approach. Critical Reviews in Environmental Science and Technology, 2022, 52, 356-394.	6.6	21
2	Biohythane production from food waste in a two-stage process: assessing the energy recovery potential. Environmental Technology (United Kingdom), 2022, 43, 2190-2196.	1.2	21
3	Methanotrophic denitrification in wastewater treatment: microbial aspects and engineering strategies. Critical Reviews in Biotechnology, 2022, 42, 145-161.	5.1	6
4	Selective butanol production from carbon monoxide by an enriched anaerobic culture. Science of the Total Environment, 2022, 806, 150579.	3.9	13
5	Biofilm carrier type affects biogenic sulfur-driven denitrification performance and microbial community dynamics in moving-bed biofilm reactors. Chemosphere, 2022, 287, 131975.	4.2	14
6	Microbial community assembly and dynamics in Granular, Fixed-Biofilm and planktonic microbiomes valorizing Long-Chain fatty acids at 20ÂÂ°C. Bioresource Technology, 2022, 343, 126098.	4.8	8
7	Novel electro-ion substitution strategy in electrodialysis for ammonium recovery from digested sludge centrate in coastal regions. Journal of Membrane Science, 2022, 642, 120001.	4.1	10
8	Biological biogas purification: Recent developments, challenges and future prospects. Journal of Environmental Management, 2022, 304, 114198.	3.8	31
9	What is the energy balance of electrofuels produced through power-to-fuel integration with biogas facilities?. Renewable and Sustainable Energy Reviews, 2022, 155, 111886.	8.2	12
10	Effect of <scp>pH</scp> on lactic acid fermentation of food waste using different mixed culture inocula. Journal of Chemical Technology and Biotechnology, 2022, 97, 950-961.	1.6	13
11	Biological removal of gasâ€phase <scp>H₂S</scp> in hollow fibre membrane bioreactors. Journal of Chemical Technology and Biotechnology, 2022, 97, 1149-1161.	1.6	5
12	Syngas Fermentation for Bioenergy Production: Advances in Bioreactor Systems. Applied Environmental Science and Engineering for A Sustainable Future, 2022, , 325-358.	0.2	0
13	Pretreatment of Lignocellulosic Materials to Enhance their Methane Potential. Applied Environmental Science and Engineering for A Sustainable Future, 2022, , 85-120.	0.2	3
14	Adsorptive removal of gallium from aqueous solution onto biogenic elemental tellurium nanoparticles. Separation and Purification Technology, 2022, 286, 120462.	3.9	22
15	Land-use change and valorisation of feedstock side-streams determine the climate mitigation potential of bioplastics. Resources, Conservation and Recycling, 2022, 180, 106185.	5.3	16
16	Rapid start-up of photo-granule process in a photo-sequencing batch reactor under low aeration conditions: Effect of inoculum AGS size. Science of the Total Environment, 2022, 820, 153204.	3.9	20
17	Effect of Endogenous and Exogenous Butyric Acid on Butanol Production From CO by Enriched Clostridia. Frontiers in Bioengineering and Biotechnology, 2022, 10, 828316.	2.0	2
18	Polyhydroxyalkanoate bio-production and its rise as biomaterial of the future. Journal of Biotechnology, 2022, 348, 10-25.	1.9	48

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19	Gauging sediment microbial fuel cells using open-circuit auxiliary electrodes. Journal of Power Sources, 2022, 527, 231216.	4.0	4
20	Role of rotating speed on the stability of a self-sustaining algal-bacterial photo-granules process. Bioresource Technology, 2022, 353, 127134.	4.8	2
21	Screening for suitable mixed microbial consortia from anaerobic sludge and animal dungs for biodegradation of brewery spent grain. Biomass and Bioenergy, 2022, 159, 106396.	2.9	4
22	A novel strategy for rapid development of a self-sustaining symbiotic algal-bacterial granular sludge: Applying algal-mycelial pellets as nuclei. Water Research, 2022, 214, 118210.	5.3	61
23	Enhanced removal of hydrocarbons BTX by light-driven Aspergillus niger ZnS nanobiohybrids. Enzyme and Microbial Technology, 2022, 157, 110020.	1.6	9
24	Light driven Aspergillus niger-ZnS nanobiohybrids for degradation of methyl orange. Chemosphere, 2022, 298, 134162.	4.2	18
25	Enhanced solventogenesis in syngas bioconversion: Role of process parameters and thermodynamics. Chemosphere, 2022, 299, 134425.	4.2	13
26	Enhanced anaerobic digestion of dairy wastewater in a granular activated carbon amended sequential batch reactor. GCB Bioenergy, 2022, 14, 840-857.	2.5	10
27	Anaerobic co-digestion of dissolved air floatation slurry and selenium rich wastewater for simultaneous methane production and selenium bioremediation. International Biodeterioration and Biodegradation, 2022, 172, 105425.	1.9	9
28	Unravelling the biodegradation performance and mechanisms of acid orange 7 by aerobic granular sludge at different salinity levels. Bioresource Technology, 2022, 357, 127347.	4.8	13
29	Selective removal and recovery of gallium and germanium from synthetic zinc refinery residues using biosorption and bioprecipitation. Journal of Environmental Management, 2022, 317, 115396.	3.8	14
30	Selenite and tellurite reduction by Aspergillus niger fungal pellets using lignocellulosic hydrolysate. Journal of Hazardous Materials, 2022, 437, 129333.	6.5	10
31	Green extraction and esterification of marine polysaccharide (ulvan) from green macroalgae Ulva sp. using citric acid for hydrogel preparation. Journal of Cleaner Production, 2022, 366, 132952.	4.6	13
32	Biological selenate and selenite reduction by waste activated sludge using hydrogen as electron donor. Journal of Environmental Management, 2022, 319, 115745.	3.8	4
33	Two step process for volatile fatty acid production from brewery spent grain: Hydrolysis and direct acidogenic fermentation using anaerobic granular sludge. Process Biochemistry, 2021, 100, 272-283.	1.8	31
34	Silicone membrane contactor for selective volatile fatty acid and alcohol separation. Chemical Engineering Research and Design, 2021, 148, 125-136.	2.7	8
35	Carboxylic acids production and electrosynthetic microbial community evolution under different CO2 feeding regimens. Bioelectrochemistry, 2021, 137, 107686.	2.4	41
36	Chromium mobility in ultramafic areas affected by mining activities in Barro Alto massif, Brazil: An isotopic study. Chemical Geology, 2021, 561, 120000.	1.4	11

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37	Cadmium Selenide Formation Influences the Production and Characteristics of Extracellular Polymeric Substances of Anaerobic Granular Sludge. Applied Biochemistry and Biotechnology, 2021, 193, 965-980.	1.4	5
38	Homoacetogenesis and solventogenesis from H2/CO2 by granular sludge at 25, 37 and 55ÂÂ°C. Chemosphere, 2021, 265, 128649.	4.2	19
39	In situ electrochemical oxidation in electrodialysis for antibiotics removal during nutrient recovery from pig manure digestate. Chemical Engineering Journal, 2021, 413, 127485.	6.6	18
40	Technologies for removal of hydrogen sulfide (H2S) from biogas. , 2021, , 295-320.		10
41	Magnetic properties of biogenic selenium nanomaterials. Environmental Science and Pollution Research, 2021, 28, 40264-40274.	2.7	6
42	Addition of granular activated carbon during anaerobic oleate degradation overcomes inhibition and promotes methanogenic activity. Environmental Science: Water Research and Technology, 2021, 7, 762-774.	1.2	4
43	Anaerobic digestion of dissolved air floatation slurries: Effect of substrate concentration and pH. Environmental Technology and Innovation, 2021, 21, 101352.	3.0	15
44	Dynamic modeling of anaerobic methane oxidation coupled to sulfate reduction: role of elemental sulfur as intermediate. Bioprocess and Biosystems Engineering, 2021, 44, 855-874.	1.7	5
45	RESB: 20Âyears of environmental science and bio/technology for sustainable development. Reviews in Environmental Science and Biotechnology, 2021, 20, 1-3.	3.9	1
46	Bioethanol Production From H2/CO2 by Solventogenesis Using Anaerobic Granular Sludge: Effect of Process Parameters. Frontiers in Microbiology, 2021, 12, 647370.	1.5	3
47	Effect of voltage intensity on the nutrient removal performance and microbial community in the iron electrolysis-integrated aerobic granular sludge system. Environmental Pollution, 2021, 274, 116604.	3.7	17
48	Methanogenic granule growth and development is a continual process characterized by distinct morphological features. Journal of Environmental Management, 2021, 286, 112229.	3.8	7
49	Evolution of the sludge mineral composition enhances operation performance of the aerobic granular sludge reactor coupled with iron electrolysis. Journal of Cleaner Production, 2021, 295, 126394.	4.6	6
50	Environmental performance comparison of bioplastics and petrochemical plastics: A review of life cycle assessment (LCA) methodological decisions. Resources, Conservation and Recycling, 2021, 168, 105451.	5.3	169
51	Effect of methanol-organosolv pretreatment on anaerobic digestion of lignocellulosic materials. Renewable Energy, 2021, 169, 1000-1012.	4.3	46
52	Anaerobic digestion of dairy wastewater by side-stream membrane reactors: Comparison of feeding regime and its impact on sludge filterability. Environmental Technology and Innovation, 2021, 22, 101482.	3.0	14
53	Continuous Volatile Fatty Acid Production From Acid Brewery Spent Grain Leachate in Expanded Granular Sludge Bed Reactors. Frontiers in Sustainable Food Systems, 2021, 5, .	1.8	13
54	Enrichment of Autotrophic Denitrifiers From Anaerobic Sludge Using Sulfurous Electron Donors. Frontiers in Microbiology, 2021, 12, 678323.	1.5	19

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55	Granular activated carbon supplementation enhances anaerobic digestion of lipid-rich wastewaters. Renewable Energy, 2021, 171, 958-970.	4.3	28
56	Evaluation of selenium-enriched microalgae produced on domestic wastewater as biostimulant and biofertilizer for growth of selenium-enriched crops. Journal of Applied Phycology, 2021, 33, 3027-3039.	1.5	16
57	Kinetic modeling of hydrogen and L-lactic acid production by Thermotoga neapolitana via capnophilic lactic fermentation of starch. Bioresource Technology, 2021, 332, 125127.	4.8	9
58	Production of selenium-enriched microalgae as potential feed supplement in high-rate algae ponds treating domestic wastewater. Bioresource Technology, 2021, 333, 125239.	4.8	32
59	Metal Extraction and Recovery from Mobile Phone PCBs by a Combination of Bioleaching and Precipitation Processes. Minerals (Basel, Switzerland), 2021, 11, 1004.	0.8	10
60	Valorization of selenium-enriched sludge and duckweed generated from wastewater as micronutrient biofertilizer. Chemosphere, 2021, 281, 130767.	4.2	8
61	Environmental performance of bioplastic packaging on fresh food produce: A consequential life cycle assessment. Journal of Cleaner Production, 2021, 317, 128377.	4.6	34
62	Simultaneous removal of lead and selenium through biomineralization as lead selenide by anaerobic granular sludge. Journal of Hazardous Materials, 2021, 420, 126663.	6.5	17
63	A Review of Microalgal Biofilm Technologies: Definition, Applications, Settings and Analysis. Frontiers in Chemical Engineering, 2021, 3, .	1.3	28
64	A Distinct, Flocculent, Acidogenic Microbial Community Accompanies Methanogenic Granules in Anaerobic Digesters. Microbiology Spectrum, 2021, 9, e0078421.	1.2	4
65	Enhanced Ethanol Production From Carbon Monoxide by Enriched Clostridium Bacteria. Frontiers in Microbiology, 2021, 12, 754713.	1.5	5
66	Volatile fatty acid adsorption on anion exchange resins: kinetics and selective recovery of acetic acid. Separation Science and Technology, 2020, 55, 1449-1461.	1.3	27
67	A sustainable strategy for effective regulation of aerobic granulation: Augmentation of the signaling molecule content by cultivating AHL-producing strains. Water Research, 2020, 169, 115193.	5.3	69
68	Resilient performance of an anoxic biotrickling filter for hydrogen sulphide removal from a biogas mimic: Steady, transient state and neural network evaluation. Journal of Cleaner Production, 2020, 249, 119351.	4.6	24
69	Microbial electrochemical technologies: Electronic circuitry and characterization tools. Biosensors and Bioelectronics, 2020, 150, 111884.	5.3	36
70	Microalgal-bacterial consortia: From interspecies interactions to biotechnological applications. Renewable and Sustainable Energy Reviews, 2020, 118, 109563.	8.2	210
71	The dairy biorefinery: Integrating treatment processes for cheese whey valorisation. Journal of Environmental Management, 2020, 276, 111240.	3.8	99
72	Pre-treatment and temperature effects on the use of slow release electron donor for biological sulfate reduction. Journal of Environmental Management, 2020, 275, 111216.	3.8	7

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73	Algae based microbial fuel cells for wastewater treatment and recovery of value-added products. Renewable and Sustainable Energy Reviews, 2020, 132, 110041.	8.2	127
74	Organic waste biorefineries: Looking towards implementation. Waste Management, 2020, 114, 274-286.	3.7	91
75	Photocatalytic degradation of Congo Red by zinc sulfide quantum dots produced by anaerobic granular sludge. Environmental Technology (United Kingdom), 2020, , 1-10.	1.2	12
76	Long Chain Fatty Acid Degradation Coupled to Biological Sulfidogenesis: A Prospect for Enhanced Metal Recovery. Frontiers in Bioengineering and Biotechnology, 2020, 8, 550253.	2.0	12
77	Enhanced Methanization of Long-Chain Fatty Acid Wastewater at 20Â°C in the Novel Dynamic Sludge Chamberâ€“Fixed Film Bioreactor. Frontiers in Energy Research, 2020, 8, .	1.2	9
78	Fermentative hydrogen production from cheese whey with in-line, concentration gradient-driven butyric acid extraction. International Journal of Hydrogen Energy, 2020, 45, 24453-24466.	3.8	59
79	Selenate and selenite uptake, accumulation and toxicity in Lemna minuta. Water Science and Technology, 2020, 81, 1852-1862.	1.2	9
80	Early colonization stages of fabric carriers by two Chlorella strains. Journal of Applied Phycology, 2020, 32, 3631-3644.	1.5	6
81	Biological Sulfate Reduction Using Gaseous Substrates To Treat Acid Mine Drainage. Current Pollution Reports, 2020, 6, 328-344.	3.1	22
82	Propionate Production by Bioelectrochemically-Assisted Lactate Fermentation and Simultaneous CO2 Recycling. Frontiers in Microbiology, 2020, 11, 599438.	1.5	14
83	Sulfidogenesis establishment under increasing metal and nutrient concentrations: An effective approach for biotreating sulfate-rich wastewaters using an innovative structured-bed reactor (AnSTBR). Bioresource Technology Reports, 2020, 11, 100458.	1.5	4
84	Biological Removal of Selenate and Selenite from Wastewater: Options for Selenium Recovery as Nanoparticles. Current Pollution Reports, 2020, 6, 230-249.	3.1	43
85	Volatile fatty acid production from Kraft mill foul condensate in upflow anaerobic sludge blanket reactors. Environmental Technology (United Kingdom), 2020, 42, 1-14.	1.2	4
86	OpenTCC: An open source low-cost temperature-control chamber. HardwareX, 2020, 7, e00099.	1.1	16
87	Recycling of European plastic is a pathway for plastic debris in the ocean. Environment International, 2020, 142, 105893.	4.8	83
88	Effect of tungsten and selenium on C1 gas bioconversion by an enriched anaerobic sludge and microbial community analysis. Chemosphere, 2020, 250, 126105.	4.2	20
89	Effect of selenate and thiosulfate on anaerobic methanol degradation usingÂactivated sludge. Environmental Science and Pollution Research, 2020, 27, 29804-29811.	2.7	0
90	Production of selenium- and zinc-enriched Lemna and Azolla as potential micronutrient-enriched bioproducts. Water Research, 2020, 172, 115522.	5.3	16

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91	Draft Genome Sequence and Annotation of Paracoccus versutus MAL 1HM19, a Nitrate-Reducing, Sulfide-Oxidizing Bacterium. Microbiology Resource Announcements, 2020, 9, .	0.3	2
92	Performance of AnMBR in Treatment of Post-consumer Food Waste: Effect of Hydraulic Retention Time and Organic Loading Rate on Biogas Production and Membrane Fouling. Frontiers in Bioengineering and Biotechnology, 2020, 8, 594936.	2.0	6
93	Cathodic selenium recovery in bioelectrochemical system: Regulatory influence on anodic electrogenic activity. Journal of Hazardous Materials, 2020, 399, 122843.	6.5	15
94	CO2 Biofixation by Chlamydomonas reinhardtii Using Different CO2 Dosing Strategies. Advances in Science, Technology and Innovation, 2020, , 321-324.	0.2	2
95	Treatment and reuse of solid materials containing inorganic sulfur compounds. , 2020, , 477-514.		0
96	Septage composition and pollution fluxes from cesspits in Palestine. Journal of Water Sanitation and Hygiene for Development, 2020, 10, 905-915.	0.7	2
97	In situ and ex situ bioremediation of seleniferous soils from northwestern India. Journal of Soils and Sediments, 2019, 19, 762-773.	1.5	16
98	Anaerobic treatment of LCFA-containing synthetic dairy wastewater at 20â€Â°C: Process performance and microbial community dynamics. Science of the Total Environment, 2019, 691, 960-968.	3.9	29
99	Reduction of selenite to elemental Se(0) with simultaneous degradation of phenol by co-cultures of Phanerochaete chrysosporium and Delftia lacustris. Journal of Microbiology, 2019, 57, 738-747.	1.3	10
100	Physiology and Distribution of Archaeal Methanotrophs That Couple Anaerobic Oxidation of Methane with Sulfate Reduction. Microbiology and Molecular Biology Reviews, 2019, 83, .	2.9	64
101	Bacterial community analysis of sulfate-reducing granular sludge exposed to high concentrations of uranium. Journal of Water Supply: Research and Technology - AQUA, 2019, 68, 645-654.	0.6	6
102	Adsorptive recovery of alcohols from a model syngas fermentation broth. Fuel, 2019, 254, 115590.	3.4	8
103	H2-rich biogas recirculation prevents hydrogen supersaturation and enhances hydrogen production by Thermotoga neapolitana cf. capnolactica. International Journal of Hydrogen Energy, 2019, 44, 19698-19708.	3.8	9
104	Anaerobic methane oxidation coupled to sulfate reduction in a biotrickling filter: Reactor performance and microbial community analysis. Chemosphere, 2019, 236, 124290.	4.2	15
105	Adsorptive removal of alcohols from aqueous solutions by N-tertiary-butylacrylamide (NtBA) and acrylic acid co-polymer gel. Materials Today Communications, 2019, 21, 100653.	0.9	2
106	A Preliminary Study of the Effect of Bioavailable Fe and Co on the Anaerobic Digestion of Rice Straw. Energies, 2019, 12, 577.	1.6	18
107	Start-up of a nutrient removal system using Scenedesmus vacuolatus and Chlorella vulgaris biofilms. Bioresources and Bioprocessing, 2019, 6, .	2.0	25
108	High rate continuous biohydrogen production by hyperthermophilic Thermotoga neapolitana. Bioresource Technology, 2019, 293, 122033.	4.8	7

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109	Power production and microbial community composition in thermophilic acetate-fed up-flow and flow-through microbial fuel cells. Bioresource Technology, 2019, 294, 122115.	4.8	41
110	Electron donors for autotrophic denitrification. Chemical Engineering Journal, 2019, 362, 922-937.	6.6	327
111	Transientâ€“state operation of an anoxic biotrickling filter for H2S removal. Journal of Hazardous Materials, 2019, 377, 42-51.	6.5	33
112	Investigating the performance of internet of things based anaerobic digestion of food waste. Chemical Engineering Research and Design, 2019, 127, 277-287.	2.7	57
113	Long-term performance evaluation of an anoxic sulfur oxidizing moving bed biofilm reactor under nitrate limited conditions. Environmental Science: Water Research and Technology, 2019, 5, 1072-1081.	1.2	14
114	Acetotrophic Activity Facilitates Methanogenesis from LCFA at Low Temperatures: Screening from Mesophilic Inocula. Archaea, 2019, 2019, 1-16.	2.3	15
115	Effects of anode materials on electricity production from xylose and treatability of TMP wastewater in an up-flow microbial fuel cell. Chemical Engineering Journal, 2019, 372, 141-150.	6.6	33
116	Influence of recirculation over COD and N-NH4 removals from landfill leachate by horizontal flow constructed treatment wetland. International Journal of Phytoremediation, 2019, 21, 998-1004.	1.7	16
117	Simultaneous synthesis of lactic acid and hydrogen from sugars via capnophilic lactic fermentation by Thermotoga neapolitana cf capnolactica. Biomass and Bioenergy, 2019, 125, 17-22.	2.9	18
118	Biorefineries: Industrial Innovation and Tendencies. , 2019, , 3-35.		5
119	Selective enrichment of biocatalysts for bioelectrochemical systems: A critical review. Renewable and Sustainable Energy Reviews, 2019, 109, 10-23.	8.2	74
120	Microbial transformation of Se oxyanions in cultures of Delftia lacustris grown under aerobic conditions. Journal of Microbiology, 2019, 57, 362-371.	1.3	7
121	Zeolite Ion Exchange to Facilitate Anaerobic Membrane Bioreactor Wastewater Nitrogen Recovery and Reuse for Lettuce Fertigation in Vertical Hydroponic Systems. Environmental Engineering Science, 2019, 36, 690-698.	0.8	14
122	Investigation of architecture development and phosphate distribution in Chlorella biofilm by complementary microscopy techniques. FEMS Microbiology Ecology, 2019, 95, .	1.3	10
123	Ammonium removal mechanisms in a microalgal-bacterial sequencing-batch photobioreactor at different solids retention times. Algal Research, 2019, 39, 101468.	2.4	34
124	Removal of selenate and cadmium by anaerobic granular sludge: EPS characterization and microbial community analysis. Chemical Engineering Research and Design, 2019, 126, 150-159.	2.7	25
125	Pressure Selects Dominant Anaerobic Methanotrophic Phylotype and Sulfate Reducing Bacteria in Coastal Marine Lake Grevelingen Sediment. Frontiers in Environmental Science, 2019, 6, .	1.5	16
126	Bioreduction of selenate in an anaerobic biotrickling filter using methanol as electron donor. Chemosphere, 2019, 225, 406-413.	4.2	17

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127	Influence of liquid-phase hydrogen on dark fermentation by Thermotoga neapolitana. Renewable Energy, 2019, 140, 354-360.	4.3	9
128	Nutrient removal efficiency of green algal strains at high phosphate concentrations. Water Science and Technology, 2019, 80, 1832-1843.	1.2	10
129	H2S removal and microbial community composition in an anoxic biotrickling filter under autotrophic and mixotrophic conditions. Journal of Hazardous Materials, 2019, 367, 397-406.	6.5	65
130	Assessing arsenic redox state evolution in solution and solid phase during As(III) sorption onto chemically-treated sewage sludge digestate biochars. Bioresource Technology, 2019, 275, 232-238.	4.8	34
131	Effect of feed glucose and acetic acid on continuous biohydrogen production by Thermotoga neapolitana. Bioresource Technology, 2019, 273, 416-424.	4.8	15
132	Effect of light intensity on the characteristics of algal-bacterial granular sludge and the role of N-acyl-homoserine lactone in the granulation. Science of the Total Environment, 2019, 659, 372-383.	3.9	78
133	Effect of ammonium, electron donor and sulphate transient feeding conditions on sulphidogenesis in sequencing batch bioreactors. Bioresource Technology, 2019, 276, 288-299.	4.8	0
134	Simultaneous removal of sulfate and selenate from wastewater by process integration of an ion exchange column and upflow anaerobic sludge blanket bioreactor. Separation Science and Technology, 2019, 54, 1387-1399.	1.3	10
135	Removal and Recovery of Metals and Nutrients From Wastewater Using Bioelectrochemical Systems. , 2019, , 693-720.		7
136	Enrichment of a solventogenic anaerobic sludge converting carbon monoxide and syngas into acids and alcohols. Bioresource Technology, 2019, 272, 130-136.	4.8	38
137	Continuous biological removal of selenate in the presence of cadmium and zinc in UASB reactors at psychrophilic and mesophilic conditions. Biochemical Engineering Journal, 2019, 141, 102-111.	1.8	20
138	Enrichment of Anaerobic Methanotrophs in Biotrickling Filters Using Different Sulfur Compounds as Electron Acceptor. Environmental Engineering Science, 2019, 36, 431-443.	0.8	5
139	Comparison of sulphide and nitrate removal from synthetic wastewater by pure and mixed cultures of nitrate-reducing, sulphide-oxidizing bacteria. Bioresource Technology, 2019, 272, 40-47.	4.8	38
140	Lactic acid recovery from a model of Thermotoga neapolitana fermentation broth using ion exchange resins in batch and fixed-bed reactors. Separation Science and Technology, 2019, 54, 1008-1025.	1.3	21
141	Fluoride removal from groundwater using chemically modified rice husk and corn cob activated carbon. Environmental Technology (United Kingdom), 2019, 40, 2913-2927.	1.2	28
142	Selenium Remediation Using Granular and Biofilm Systems. , 2019, , 103-127.		2
143	Anaerobic digestion processes. , 2019, , .		0
144	Role of Extracellular Polymeric Substances (EPS) in Cell Surface Hydrophobicity. , 2019, , 128-153.		0

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145	Elemental sulfur-based autotrophic denitrification and denitritation: microbially catalyzed sulfur hydrolysis and nitrogen conversions. Journal of Environmental Management, 2018, 211, 313-322.	3.8	72
146	Assessing chromium mobility in natural surface waters: Colloidal contribution to the isotopically exchangeable pool of chromium (EwCr value). Applied Geochemistry, 2018, 92, 19-29.	1.4	4
147	Effect of N/S ratio on anoxic thiosulfate oxidation in a fluidized bed reactor: Experimental and artificial neural network model analysis. Process Biochemistry, 2018, 68, 171-181.	1.8	27
148	Optimization of Petroleum Refinery Wastewater Treatment by Vertical Flow Constructed Wetlands Under Tropical Conditions: Plant Species Selection and Polishing by a Horizontal Flow Constructed Wetland. Water, Air, and Soil Pollution, 2018, 229, 1.	1.1	13
149	Performance evaluation of duplex constructed wetlands for the treatment of diesel contaminated wastewater. Chemosphere, 2018, 205, 166-177.	4.2	37
150	Enrichment of ANMEâ€2 dominated anaerobic methanotrophy from cold seep sediment in an external ultrafiltration membrane bioreactor. Engineering in Life Sciences, 2018, 18, 368-378.	2.0	6
151	Bioleaching of metals from WEEE shredding dust. Journal of Environmental Management, 2018, 210, 180-190.	3.8	89
152	Formation of Se(0), Te(0), and Se(0)â€“Te(0) nanostructures during simultaneous bioreduction of selenite and tellurite in a UASB reactor. Applied Microbiology and Biotechnology, 2018, 102, 2899-2911.	1.7	31
153	Assessment of Bacterial Community Composition of Anaerobic Granular Sludge in Response to Short-Term Uranium Exposure. Microbial Ecology, 2018, 76, 648-659.	1.4	9
154	Selenate removal in biofilm systems: effect of nitrate and sulfate on selenium removal efficiency, biofilm structure and microbial community. Journal of Chemical Technology and Biotechnology, 2018, 93, 2380-2389.	1.6	20
155	Composition and role of the attached and planktonic microbial communities in mesophilic and thermophilic xylose-fed microbial fuel cells. RSC Advances, 2018, 8, 3069-3080.	1.7	17
156	Increased biogas production from wheat straw by chemical pretreatments. Renewable Energy, 2018, 119, 608-614.	4.3	141
157	Bioprocesses for Sulphate Removal from Wastewater. Energy, Environment, and Sustainability, 2018, , 35-60.	0.6	4
158	Zn isotopes fractionation during slags' weathering: One source of contamination, multiple isotopic signatures. Chemosphere, 2018, 195, 483-490.	4.2	14
159	Fungal-Based Nanotechnology for Heavy Metal Removal. Environmental Chemistry for A Sustainable World, 2018, , 229-253.	0.3	4
160	Environmental impact and bioremediation of seleniferous soils and sediments. Critical Reviews in Biotechnology, 2018, 38, 941-956.	5.1	47
161	The attachment potential and N-acyl-homoserine lactone-based quorum sensing in aerobic granular sludge and algal-bacterial granular sludge. Applied Microbiology and Biotechnology, 2018, 102, 5343-5353.	1.7	41
162	Performance of a biotrickling filter for the anaerobic utilization of gas-phase methanol coupled to thiosulphate reduction and resource recovery through volatile fatty acids production. Bioresource Technology, 2018, 263, 591-600.	4.8	12

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163	Comparative performance of anaerobic attached biofilm and granular sludge reactors for the treatment of model mine drainage wastewater containing selenate, sulfate and nickel. Chemical Engineering Journal, 2018, 345, 545-555.	6.6	43
164	Alteration of the characteristics of extracellular polymeric substances (EPS) extracted from the fungus Phanerochaete chrysosporium when exposed to sub-toxic concentrations of nickel (II). International Biodeterioration and Biodegradation, 2018, 129, 179-188.	1.9	25
165	Anaerobic Digestion of Lignocellulosic Materials Using Ethanol-Organosolv Pretreatment. Environmental Engineering Science, 2018, 35, 953-960.	0.8	20
166	Enrichment of sulfate reducing anaerobic methane oxidizing community dominated by ANME-1 from Ginsburg Mud Volcano (Gulf of Cadiz) sediment in a biotrickling filter. Bioresource Technology, 2018, 259, 433-441.	4.8	17
167	Thermophilic versus mesophilic dark fermentation in xylose-fed fluidised bed reactors: Biohydrogen production and active microbial community. International Journal of Hydrogen Energy, 2018, 43, 5473-5485.	3.8	34
168	Tools, techniques, and technologies for pollution prevention, control, and resource recovery. Environmental Science and Pollution Research, 2018, 25, 5047-5050.	2.7	10
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