

# Giovanni Esposito

## List of Publications by Year in descending order

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295  
papers

14,667  
citations

20759

60  
h-index

28224

105  
g-index

301  
all docs

301  
docs citations

301  
times ranked

15010  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biohythane production from food waste in a two-stage process: assessing the energy recovery potential. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 2190-2196.	1.2	21
2	A modelling and simulation study of anaerobic digestion in plug-flow reactors. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2022, 105, 106062.	1.7	7
3	Biofilm carrier type affects biogenic sulfur-driven denitrification performance and microbial community dynamics in moving-bed biofilm reactors. <i>Chemosphere</i> , 2022, 287, 131975.	4.2	14
4	Phenanthrene biodegradation in a fed-batch reactor treating a spent sediment washing solution: Techno-economic implications for the recovery of ethanol as extracting agent. <i>Chemosphere</i> , 2022, 286, 131361.	4.2	18
5	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
6	Pretreatment of Lignocellulosic Materials to Enhance their Methane Potential. <i>Applied Environmental Science and Engineering for A Sustainable Future</i> , 2022, , 85-120.	0.2	3
7	Phytoremediation of a pyrene-contaminated soil by <i>Cannabis sativa</i> L. at different initial pyrene concentrations. <i>Chemosphere</i> , 2022, 300, 134578.	4.2	8
8	Modelling the effect of SMP production and external carbon addition on S-driven autotrophic denitrification. <i>Scientific Reports</i> , 2022, 12, 7008.	1.6	2
9	Direct nitrogen stripping and upcycling from anaerobic digestate during conversion of cheese whey into single cell protein. <i>Bioresource Technology</i> , 2022, 358, 127308.	4.8	17
10	Exploring the Biochemical Methane Potential of Wholesale Market Waste from Jordan and Tunisia for a Future Scale-Up of Anaerobic Digestion in Amman and Sfax. <i>Waste and Biomass Valorization</i> , 2022, 13, 3887-3897.	1.8	8
11	Pyrite-assisted denitrification in recirculated biofilter tolerates pH lower than 5. <i>Water Environment Research</i> , 2022, 94, e10721.	1.3	3
12	Valorisation of industrial hemp ( <i>Cannabis sativa</i> L.) biomass residues through acidogenic fermentation and co-fermentation for volatile fatty acids production. <i>Bioresource Technology</i> , 2022, 355, 127289.	4.8	11
13	Enhancing the recovery of volatile fatty acids from strawberry extrudate through anaerobic fermentation at different pH values. <i>Environmental Technology and Innovation</i> , 2022, 28, 102587.	3.0	8
14	Fed-batch anaerobic digestion of raw and pretreated hazelnut skin over long-term operation. <i>Bioresource Technology</i> , 2022, 357, 127372.	4.8	14
15	Low temperature-produced and VFA-coated biochar enhances phenanthrene adsorption and mitigates toxicity in marine sediments. <i>Separation and Purification Technology</i> , 2022, 296, 121414.	3.9	14
16	Coupling of desorption of phenanthrene from marine sediments and biodegradation of the sediment washing solution in a novel biochar immobilized-cell reactor. <i>Environmental Pollution</i> , 2022, 308, 119621.	3.7	24
17	Assessment of Hydrogen and Volatile Fatty Acid Production from Fruit and Vegetable Waste: A Case Study of Mediterranean Markets. <i>Energies</i> , 2022, 15, 5032.	1.6	5
18	The addition of biochar as a sustainable strategy for the remediation of PAH-contaminated sediments. <i>Chemosphere</i> , 2021, 263, 128274.	4.2	57

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19	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
20	Dynamic modeling of anaerobic methane oxidation coupled to sulfate reduction: role of elemental sulfur as intermediate. <i>Bioprocess and Biosystems Engineering</i> , 2021, 44, 855-874.	1.7	5
21	A general framework to model the fate of trace elements in anaerobic digestion environments. <i>Scientific Reports</i> , 2021, 11, 7476.	1.6	9
22	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
23	Effect of methanol-organosolv pretreatment on anaerobic digestion of lignocellulosic materials. <i>Renewable Energy</i> , 2021, 169, 1000-1012.	4.3	46
24	Shortcut nitrification-denitrification and biological phosphorus removal in acetate- and ethanol-fed moving bed biofilm reactors under microaerobic/aerobic conditions. <i>Bioresource Technology</i> , 2021, 330, 124958.	4.8	69
25	Kinetic modeling of hydrogen and L-lactic acid production by <i>Thermotoga neapolitana</i> via capnophilic lactic fermentation of starch. <i>Bioresource Technology</i> , 2021, 332, 125127.	4.8	9
26	Anammox-Based Processes for Mature Leachate Treatment in SBR: A Modelling Study. <i>Processes</i> , 2021, 9, 1443.	1.3	5
27	Phytoremediation of pyrene-contaminated soils: A critical review of the key factors affecting the fate of pyrene. <i>Journal of Environmental Management</i> , 2021, 293, 112805.	3.8	44
28	Microaerobic Digestion of Low-Biodegradable Sewage Sludge: Effect of Air Dosing in Batch Reactors. <i>Sustainability</i> , 2021, 13, 9869.	1.6	11
29	Air side-stream ammonia stripping in a thin film evaporator coupled to high-solid anaerobic digestion of sewage sludge: Process performance and interactions. <i>Journal of Environmental Management</i> , 2021, 295, 113075.	3.8	19
30	Sequential sulfur-based denitrification/denitritation and nanofiltration processes for drinking water treatment. <i>Journal of Environmental Management</i> , 2021, 295, 113083.	3.8	18
31	Calibration, validation and sensitivity analysis of a surface-based ADM1 model. <i>Ecological Modelling</i> , 2021, 460, 109726.	1.2	3
32	From residue to resource: The multifaceted environmental and bioeconomy potential of industrial hemp ( <i>Cannabis sativa</i> L.). <i>Resources, Conservation and Recycling</i> , 2021, 175, 105864.	5.3	29
33	A Review of Microalgal Biofilm Technologies: Definition, Applications, Settings and Analysis. <i>Frontiers in Chemical Engineering</i> , 2021, 3, .	1.3	28
34	Exploiting the Nutrient Potential of Anaerobically Digested Sewage Sludge: A Review. <i>Energies</i> , 2021, 14, 8149.	1.6	27
35	Nitrification in the presence of sulfide and organic matter in a sequencing moving bed biofilm reactor (SMBBR) with zeolite as biomass carrier. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 173-182.	1.6	6
36	Comparison of biogenic and chemical sulfur as electron donors for autotrophic denitrification in sulfur-fed membrane bioreactor (SMBR). <i>Bioresource Technology</i> , 2020, 299, 122574.	4.8	53

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37	Removal of polycyclic aromatic hydrocarbons during anaerobic biostimulation of marine sediments. <i>Science of the Total Environment</i> , 2020, 709, 136141.	3.9	57
38	Exploring the Biomethane Potential of Different Industrial Hemp ( <i>Cannabis sativa</i> L.) Biomass Residues. <i>Energies</i> , 2020, 13, 3361.	1.6	25
39	High-solid anaerobic digestion of sewage sludge: challenges and opportunities. <i>Applied Energy</i> , 2020, 278, 115608.	5.1	94
40	Early colonization stages of fabric carriers by two <i>Chlorella</i> strains. <i>Journal of Applied Phycology</i> , 2020, 32, 3631-3644.	1.5	6
41	Environmental Assessment of Olive Mill Solid Waste Valorization via Anaerobic Digestion Versus Olive Pomace Oil Extraction. <i>Processes</i> , 2020, 8, 626.	1.3	22
42	Anaerobic Co-Digestion of Cheese Whey and Industrial Hemp Residues Opens New Perspectives for the Valorization of Agri-Food Waste. <i>Energies</i> , 2020, 13, 2820.	1.6	33
43	Phosphorylated Acetyl-CoA Carboxylase Is Associated with Clinical Benefit with Regorafenib in Relapsed Glioblastoma: REGOMA Trial Biomarker Analysis. <i>Clinical Cancer Research</i> , 2020, 26, 4478-4484.	3.2	20
44	Membrane bioreactors sludge: From production to disposal. , 2020, , 323-351.		3
45	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
46	Upcycling of biowaste carbon and nutrients in line with consumer confidence: the "full gas" route to single cell protein. <i>Green Chemistry</i> , 2020, 22, 4912-4929.	4.6	53
47	Comparing performances, costs and energy balance of ex situ remediation processes for PAH-contaminated marine sediments. <i>Environmental Science and Pollution Research</i> , 2020, 27, 19363-19374.	2.7	46
48	Elemental sulfur-based autotrophic denitrification in stoichiometric S <sub>0</sub> /N ratio: Calibration and validation of a kinetic model. <i>Bioresource Technology</i> , 2020, 307, 123229.	4.8	10
49	Simultaneous nitrification, denitrification and phosphorus removal in a continuous-flow moving bed biofilm reactor alternating microaerobic and aerobic conditions. <i>Bioresource Technology</i> , 2020, 310, 123453.	4.8	93
50	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. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 594936.	2.0	6
51	Simultaneous denitrification, phosphorus recovery and low sulfate production in a recirculated pyrite-packed biofilter (RPPB). <i>Chemosphere</i> , 2020, 255, 126977.	4.2	42
52	How has the Practice of Physical Activity Changed During the COVID-19 Quarantine? A Preliminary Survey. <i>Teoria Ta Metodika Fizicnogo Vihovanna</i> , 2020, 20, 242-247.	0.2	17
53	A Method to Promote the Development of Intelligence and Game Skills in Youth Football. <i>Teoria Ta Metodika Fizicnogo Vihovanna</i> , 2020, 20, 142-148.	0.2	6
54	In situ and ex situ bioremediation of seleniferous soils from northwestern India. <i>Journal of Soils and Sediments</i> , 2019, 19, 762-773.	1.5	16

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55	Assessing practical identifiability during calibration and cross-validation of a structured model for high-solids anaerobic digestion. <i>Water Research</i> , 2019, 164, 114932.	5.3	8
56	H <sub>2</sub> -rich biogas recirculation prevents hydrogen supersaturation and enhances hydrogen production by <i>Thermotoga neapolitana</i> cf. <i>capnolactica</i> . <i>International Journal of Hydrogen Energy</i> , 2019, 44, 19698-19708.	3.8	9
57	A Preliminary Study of the Effect of Bioavailable Fe and Co on the Anaerobic Digestion of Rice Straw. <i>Energies</i> , 2019, 12, 577.	1.6	18
58	Start-up of a nutrient removal system using <i>Scenedesmus vacuolatus</i> and <i>Chlorella vulgaris</i> biofilms. <i>Bioresources and Bioprocessing</i> , 2019, 6, .	2.0	25
59	High rate continuous biohydrogen production by hyperthermophilic <i>Thermotoga neapolitana</i> . <i>Bioresource Technology</i> , 2019, 293, 122033.	4.8	7
60	Effect of carbon-to-nitrogen ratio on simultaneous nitrification denitrification and phosphorus removal in a microaerobic moving bed biofilm reactor. <i>Journal of Environmental Management</i> , 2019, 250, 109518.	3.8	54
61	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
62	Electron donors for autotrophic denitrification. <i>Chemical Engineering Journal</i> , 2019, 362, 922-937.	6.6	327
63	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
64	Long-term biogas desulfurization under different microaerobic conditions in full-scale thermophilic digesters co-digesting high-solid sewage sludge. <i>International Biodeterioration and Biodegradation</i> , 2019, 142, 131-136.	1.9	43
65	Toward a New Plant-Wide Experimental and Modeling Approach for Reduction of Greenhouse Gas Emission from Wastewater Treatment Plants. <i>Journal of Environmental Engineering, ASCE</i> , 2019, 145, .	0.7	10
66	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
67	Simultaneous synthesis of lactic acid and hydrogen from sugars via capnophilic lactic fermentation by <i>Thermotoga neapolitana</i> cf <i>capnolactica</i> . <i>Biomass and Bioenergy</i> , 2019, 125, 17-22.	2.9	18
68	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
69	ADM1-based mechanistic model for the role of trace elements in anaerobic digestion processes. <i>Journal of Environmental Management</i> , 2019, 241, 587-602.	3.8	28
70	Microbial transformation of Se oxyanions in cultures of <i>Delftia lacustris</i> grown under aerobic conditions. <i>Journal of Microbiology</i> , 2019, 57, 362-371.	1.3	7
71	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
72	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

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73	Investigation of architecture development and phosphate distribution in <i>Chlorella</i> biofilm by complementary microscopy techniques. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	1.3	10
74	High-solids anaerobic digestion requires a trade-off between total solids, inoculum-to-substrate ratio and ammonia inhibition. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 7011-7024.	1.8	21
75	Modelling non-ideal bio-physical-chemical effects on high-solids anaerobic digestion of the organic fraction of municipal solid waste. <i>Journal of Environmental Management</i> , 2019, 238, 408-419.	3.8	7
76	Influence of liquid-phase hydrogen on dark fermentation by <i>Thermotoga neapolitana</i> . <i>Renewable Energy</i> , 2019, 140, 354-360.	4.3	9
77	Nutrient removal efficiency of green algal strains at high phosphate concentrations. <i>Water Science and Technology</i> , 2019, 80, 1832-1843.	1.2	10
78	Assessment of the DGT technique in digestate to fraction twelve trace elements. <i>Talanta</i> , 2019, 192, 204-211.	2.9	3
79	Effect of feed glucose and acetic acid on continuous biohydrogen production by <i>Thermotoga neapolitana</i> . <i>Bioresource Technology</i> , 2019, 273, 416-424.	4.8	15
80	ADM1 based mathematical model of trace element complexation in anaerobic digestion processes. <i>Bioresource Technology</i> , 2019, 276, 253-259.	4.8	30
81	Enrichment of Anaerobic Methanotrophs in Biotrickling Filters Using Different Sulfur Compounds as Electron Acceptor. <i>Environmental Engineering Science</i> , 2019, 36, 431-443.	0.8	5
82	Semi-continuous mono-digestion of OFMSW and Co-digestion of OFMSW with beech sawdust: Assessment of the maximum operational total solid content. <i>Journal of Environmental Management</i> , 2019, 231, 1293-1302.	3.8	10
83	Lactic acid recovery from a model of <i>Thermotoga neapolitana</i> fermentation broth using ion exchange resins in batch and fixed-bed reactors. <i>Separation Science and Technology</i> , 2019, 54, 1008-1025.	1.3	21
84	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
85	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
86	Electrochemical mineralization of sulfamethoxazole over wide pH range using FeI/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
87	Formation of Se(0), Te(0), and Se(0)â€“Te(0) nanostructures during simultaneous bioreduction of selenite and tellurite in a UASB reactor. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 2899-2911.	1.7	31
88	Bioprocesses for Sulphate Removal from Wastewater. <i>Energy, Environment, and Sustainability</i> , 2018, , 35-60.	0.6	4
89	Environmental impact and bioremediation of seleniferous soils and sediments. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 941-956.	5.1	47
90	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

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91	Anaerobic Digestion of Lignocellulosic Materials Using Ethanol-Organosolv Pretreatment. <i>Environmental Engineering Science</i> , 2018, 35, 953-960.	0.8	20
92	Enrichment of sulfate reducing anaerobic methane oxidizing community dominated by ANME-1 from Ginsburg Mud Volcano (Gulf of Cadiz) sediment in a biotrickling filter. <i>Bioresource Technology</i> , 2018, 259, 433-441.	4.8	17
93	Microbial sulfate-reducing activities in anoxic sediment from Marine Lake Grevelingen: screening of electron donors and acceptors. <i>Limnology</i> , 2018, 19, 31-41.	0.8	6
94	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
95	Bioaugmentation of the anaerobic digestion of food waste by dung of herbivore, carnivore, and omnivore zoo animals. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 516-526.	1.2	12
96	Lignocellulosic biowastes as carrier material and slow release electron donor for sulphidogenesis of wastewater in an inverse fluidized bed bioreactor. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5115-5128.	2.7	15
97	Continuum and discrete approach in modeling biofilm development and structure: a review. <i>Journal of Mathematical Biology</i> , 2018, 76, 945-1003.	0.8	82
98	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
99	Trace elements dosing and alkaline pretreatment in the anaerobic digestion of rice straw. <i>Bioresource Technology</i> , 2018, 247, 897-903.	4.8	79
100	Dewaterability of CAS and MBR Sludge: Effect of Biological Stability and EPS Composition. <i>Journal of Environmental Engineering, ASCE</i> , 2018, 144, .	0.7	11
101	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
102	Nutrient removal from high strength nitrate containing industrial wastewater using <i>Chlorella</i> sp. strain ACUF_802. <i>Annals of Microbiology</i> , 2018, 68, 899-913.	1.1	11
103	Optimization of Soil Washing to Reduce the Selenium Levels of Seleniferous Soil from Punjab, Northwestern India. <i>Journal of Environmental Quality</i> , 2018, 47, 1530-1537.	1.0	6
104	Hydrodynamics and mathematical modelling in a low HRT inverse fluidized-bed reactor for biological sulphate reduction. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 1869-1882.	1.7	5
105	Sensitivity analysis for an elemental sulfur-based two-step denitrification model. <i>Water Science and Technology</i> , 2018, 78, 1296-1303.	1.2	8
106	Process performance optimization and mathematical modelling of a SBR-MBBR treatment at low oxygen concentration. <i>Process Biochemistry</i> , 2018, 75, 230-239.	1.8	23
107	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
108	ADM1 based mathematical model of trace element precipitation/dissolution in anaerobic digestion processes. <i>Bioresource Technology</i> , 2018, 267, 666-676.	4.8	35



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109	Enhancement of hydrogen production rate by high biomass concentrations of <i>Thermotoga neapolitana</i> . <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13072-13080.	3.8	12
110	Co-production of Hydrogen and Methane From the Organic Fraction of Municipal Solid Waste in a Pilot Scale Dark Fermenter and Methanogenic Biofilm Reactor. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	20
111	High-solids anaerobic digestion model for homogenized reactors. <i>Water Research</i> , 2018, 142, 501-511.	5.3	38
112	Gene and MicroRNA Expression Are Predictive of Tumor Response in Rectal Adenocarcinoma Patients Treated With Preoperative Chemoradiotherapy. <i>Journal of Cellular Physiology</i> , 2017, 232, 426-435.	2.0	54
113	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> 39(10) 1105-1114. doi:10.1080/09593335.2017.1374324	1.0	10
114	Photofermentative production of hydrogen and poly- $\beta$ -hydroxybutyrate from dark fermentation products. <i>Bioresource Technology</i> , 2017, 228, 171-175.	4.8	52
115	Forecasting the effect of feast and famine conditions on biological sulphate reduction in an anaerobic inverse fluidized bed reactor using artificial neural networks. <i>Process Biochemistry</i> , 2017, 55, 146-161.	1.8	13
116	LKB1 Expression Correlates with Increased Survival in Patients with Advanced Non-Small Cell Lung Cancer Treated with Chemotherapy and Bevacizumab. <i>Clinical Cancer Research</i> , 2017, 23, 3316-3324.	3.2	43
117	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
118	Leachate flush strategies for managing volatile fatty acids accumulation in leach-bed reactors. <i>Bioresource Technology</i> , 2017, 232, 93-102.	4.8	23
119	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
120	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
121	Hydrogen and lactic acid synthesis by the wild-type and a laboratory strain of the hyperthermophilic bacterium <i>Thermotoga neapolitana</i> DSMZ 4359 T under capnophilic lactic fermentation conditions. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 16023-16030.	3.8	23
122	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
123	Bio-hythane production from microalgae biomass: Key challenges and potential opportunities for algal bio-refineries. <i>Bioresource Technology</i> , 2017, 241, 525-536.	4.8	91
124	Carbohydrate based polymeric materials as slow release electron donors for sulphate removal from wastewater. <i>Journal of Environmental Management</i> , 2017, 200, 407-415.	3.8	13
125	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
126	Anaerobic Methane-Oxidizing Microbial Community in a Coastal Marine Sediment: Anaerobic Methanotrophy Dominated by ANME-3. <i>Microbial Ecology</i> , 2017, 74, 608-622.	1.4	34



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127	Anaerobic oxidation of methane coupled to thiosulfate reduction in a biotrickling filter. <i>Bioresource Technology</i> , 2017, 240, 214-222.	4.8	23
128	Role of microbial accumulation in biological sulphate reduction using lactate as electron donor in an inversed fluidized bed bioreactor: Operation and dynamic mathematical modelling. <i>International Biodeterioration and Biodegradation</i> , 2017, 121, 1-10.	1.9	8
129	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
130	High-rate autotrophic denitrification in a fluidized-bed reactor at psychrophilic temperatures. <i>Chemical Engineering Journal</i> , 2017, 313, 591-598.	6.6	48
131	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
132	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
133	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
134	Syntrophic acetate oxidation during the two-phase anaerobic digestion of waste activated sludge: Microbial population, Gibbs free energy and kinetic modelling. <i>International Biodeterioration and Biodegradation</i> , 2017, 125, 177-188.	1.9	24
135	Therapeutic potential of the phosphino Cu(I) complex (HydroCuP) in the treatment of solid tumors. <i>Scientific Reports</i> , 2017, 7, 13936.	1.6	45
136	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
137	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
138	Techniques for Metal Removal and Recovery from Waste Stream. <i>Environmental Chemistry for A Sustainable World</i> , 2017, , 1-23.	0.3	1
139	Investigation of different ethylenediamine-N,N'-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
140	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
141	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
142	High-rate thiosulfate-driven denitrification at pH lower than 5 in fluidized-bed reactor. <i>Chemical Engineering Journal</i> , 2017, 310, 282-291.	6.6	42
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290	Absence of the Cell Cycle Inhibitor p27Kip1 Protein Predicts Poor Outcome in Patients With Stage I-III Colorectal Cancer. <i>Annals of Surgical Oncology</i> , 1999, 6, 19-25.	0.7	25
291	Inflammatory Polyarthropathy and Bone Remodeling in HTLV-I Tax-Transgenic Mice. <i>Journal of Acquired Immune Deficiency Syndromes</i> , 1997, 14, 272-280.	0.3	18
292	Association of p53 Gene and Protein Alterations with Metastases in Colorectal Cancer. <i>American Journal of Surgical Pathology</i> , 1995, 19, 463-471.	2.1	62
293	Bioprocess engineering of sulphate reduction for environmental technology. , 0, , 383-404.		6
294	The use of enabling tests to provide a qualitative measurement of the sport skill level of small soccer players. , 0, , .		1
295	Preliminary work about the basis data for monitoring youth soccer team planning training. , 0, , .		2