

Giovanni Esposito

List of Publications by Year in descending order

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295
papers

14,667
citations

20797

60
h-index

28275

105
g-index

301
all docs

301
docs citations

301
times ranked

15010
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	Coupling of membrane filtration and advanced oxidation processes for removal of pharmaceutical residues: A critical review. <i>Separation and Purification Technology</i> , 2015, 156, 891-914.	3.9	449
4	Removal of residual anti-inflammatory and analgesic pharmaceuticals from aqueous systems by electrochemical advanced oxidation processes. A review. <i>Chemical Engineering Journal</i> , 2013, 228, 944-964.	6.6	448
5	Removal of hydrophobic organic pollutants from soil washing/flushing solutions: A critical review. <i>Journal of Hazardous Materials</i> , 2016, 306, 149-174.	6.5	377
6	Electron donors for autotrophic denitrification. <i>Chemical Engineering Journal</i> , 2019, 362, 922-937.	6.6	327
7	Anaerobic co-digestion of organic wastes. <i>Reviews in Environmental Science and Biotechnology</i> , 2012, 11, 325-341.	3.9	241
8	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
9	Electrochemical advanced oxidation and biological processes for wastewater treatment: a review of the combined approaches. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8493-8524.	2.7	227
10	Sub-stoichiometric titanium oxide (Ti4O7) as a suitable ceramic anode for electrooxidation of organic pollutants: A case study of kinetics, mineralization and toxicity assessment of amoxicillin. <i>Water Research</i> , 2016, 106, 171-182.	5.3	196
11	Role of extracellular polymeric substances (EPS) production in bioaggregation: application to wastewater treatment. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 9883-9905.	1.7	177
12	Bio-Methane Potential Tests To Measure The Biogas Production From The Digestion and Co-Digestion of Complex Organic Substrates. <i>The Open Environmental Engineering Journal</i> , 2012, 5, 1-8.	1.2	168
13	Identification of Genes Selectively Regulated by IFNs in Endothelial Cells. <i>Journal of Immunology</i> , 2007, 178, 1122-1135.	0.4	152
14	Chemolithotrophic denitrification in biofilm reactors. <i>Chemical Engineering Journal</i> , 2015, 280, 643-657.	6.6	147
15	Greenhouse gases from wastewater treatment " A review of modelling tools. <i>Science of the Total Environment</i> , 2016, 551-552, 254-270.	3.9	142
16	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
17	A complete phenol oxidation pathway obtained during electro-Fenton treatment and validated by a kinetic model study. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 189-198.	10.8	141
18	Machine Learning Algorithms for the Forecasting of Wastewater Quality Indicators. <i>Water (Switzerland)</i> , 2017, 9, 105.	1.2	141

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19	Impact of microRNAs on regulatory networks and pathways in human colorectal carcinogenesis and development of metastasis. <i>BMC Genomics</i> , 2013, 14, 589.	1.2	140
20	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
21	The Anaerobic Digestion of Rice Straw: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 895-915.	6.6	132
22	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
23	Association Between MDM2 SNP309 and Age at Colorectal Cancer Diagnosis According to p53 Mutation Status. <i>Journal of the National Cancer Institute</i> , 2006, 98, 285-288.	3.0	123
24	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
25	Comparative study on the removal of humic acids from drinking water by anodic oxidation and electro-Fenton processes: Mineralization efficiency and modelling. <i>Applied Catalysis B: Environmental</i> , 2016, 194, 32-41.	10.8	119
26	Interruption of tumor dormancy by a transient angiogenic burst within the tumor microenvironment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 4216-4221.	3.3	113
27	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
28	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
29	Influence of solubilizing agents (cyclodextrin or surfactant) on phenanthrene degradation by electro-Fenton process: Study of soil washing recycling possibilities and environmental impact. <i>Water Research</i> , 2014, 48, 306-316.	5.3	108
30	Production of biohythane from food waste via an integrated system of continuously stirred tank and anaerobic fixed bed reactors. <i>Bioresource Technology</i> , 2016, 220, 312-322.	4.8	102
31	Modelling the effect of the OLR and OFMSW particle size on the performances of an anaerobic co-digestion reactor. <i>Process Biochemistry</i> , 2011, 46, 557-565.	1.8	98
32	Combination of anodic oxidation and biological treatment for the removal of phenanthrene and Tween 80 from soil washing solution. <i>Chemical Engineering Journal</i> , 2016, 306, 588-596.	6.6	97
33	High-solid anaerobic digestion of sewage sludge: challenges and opportunities. <i>Applied Energy</i> , 2020, 278, 115608.	5.1	94
34	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
35	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
36	Metastatic transcriptional pattern revealed by gene expression profiling in primary colorectal carcinoma. <i>International Journal of Cancer</i> , 2005, 115, 256-262.	2.3	90

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37	Acid Mine Drainage Treatment in Fluidized-Bed Bioreactors by Sulfate-Reducing Bacteria: A Critical Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2013, 43, 2545-2580.	6.6	89
38	Enhanced Phytoremediation: A Review of Low Molecular Weight Organic Acids and Surfactants Used as Amendments. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 2531-2576.	6.6	89
39	Perspectives of sulfate reducing bioreactors in environmental biotechnology. <i>Reviews in Environmental Science and Biotechnology</i> , 2002, 1, 311-325.	3.9	87
40	HYTAD1-p20: A new paclitaxel-hyaluronic acid hydrosoluble bioconjugate for treatment of superficial bladder cancer. <i>Urologic Oncology: Seminars and Original Investigations</i> , 2006, 24, 207-215.	0.8	87
41	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
42	A Paclitaxel-Hyaluronan Bioconjugate Targeting Ovarian Cancer Affords a Potent <i>In vivo</i> Therapeutic Activity. <i>Clinical Cancer Research</i> , 2008, 14, 3598-3606.	3.2	86
43	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
44	Differential effects of angiostatin, endostatin and interferon- β gene transfer on <i>in vivo</i> growth of human breast cancer cells. <i>Gene Therapy</i> , 2002, 9, 867-878.	2.3	83
45	Relationship Between Tumor and Plasma Levels of hTERT mRNA in Patients with Colorectal Cancer: Implications for Monitoring of Neoplastic Disease. <i>Clinical Cancer Research</i> , 2008, 14, 7444-7451.	3.2	82
46	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
47	Treatment of synthetic soil washing solutions containing phenanthrene and cyclodextrin by electro-oxidation. Influence of anode materials on toxicity removal and biodegradability enhancement. <i>Applied Catalysis B: Environmental</i> , 2014, 160-161, 666-675.	10.8	81
48	Trace elements dosing and alkaline pretreatment in the anaerobic digestion of rice straw. <i>Bioresource Technology</i> , 2018, 247, 897-903.	4.8	79
49	Notch3 signalling promotes tumour growth in colorectal cancer. <i>Journal of Pathology</i> , 2011, 224, 448-460.	2.1	77
50	Electrochemical advanced oxidation for cold incineration of the pharmaceutical ranitidine: Mineralization pathway and toxicity evolution. <i>Chemosphere</i> , 2014, 117, 644-651.	4.2	77
51	Soil Washing/Flushing Treatments of Organic Pollutants Enhanced by Cyclodextrins and Integrated Treatments: State of the Art. <i>Critical Reviews in Environmental Science and Technology</i> , 2014, 44, 705-795.	6.6	77
52	Anodic oxidation of surfactants and organic compounds entrapped in micelles – Selective degradation mechanisms and soil washing solution reuse. <i>Water Research</i> , 2017, 118, 1-11.	5.3	77
53	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
54	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

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55	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
56	Glycolytic Phenotype and AMP Kinase Modify the Pathologic Response of Tumor Xenografts to VEGF Neutralization. <i>Cancer Research</i> , 2011, 71, 4214-4225.	0.4	67
57	Enhanced bio-methane production from co-digestion of different organic wastes. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 2733-2740.	1.2	66
58	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
59	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
60	VEGF-Targeted Therapy Stably Modulates the Glycolytic Phenotype of Tumor Cells. <i>Cancer Research</i> , 2015, 75, 120-133.	0.4	62
61	Effect of soil/contamination characteristics and process operational conditions on aminopolycarboxylates enhanced soil washing for heavy metals removal: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2016, 15, 111-145.	3.9	62
62	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
63	Hydrogen Production by the Thermophilic Bacterium <i>Thermotoga neapolitana</i> . <i>International Journal of Molecular Sciences</i> , 2015, 16, 12578-12600.	1.8	61
64	Model calibration and validation for OFMSW and sewage sludge co-digestion reactors. <i>Waste Management</i> , 2011, 31, 2527-2535.	3.7	60
65	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
66	Use of biogenic sulfide for ZnS precipitation. <i>Separation and Purification Technology</i> , 2006, 51, 31-39.	3.9	59
67	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
68	Removal of polycyclic aromatic hydrocarbons during anaerobic biostimulation of marine sediments. <i>Science of the Total Environment</i> , 2020, 709, 136141.	3.9	57
69	The addition of biochar as a sustainable strategy for the remediation of PAH-contaminated sediments. <i>Chemosphere</i> , 2021, 263, 128274.	4.2	57
70	NOTCH3 Signaling Regulates MUSASHI-1 Expression in Metastatic Colorectal Cancer Cells. <i>Cancer Research</i> , 2014, 74, 2106-2118.	0.4	56
71	Impact of electrochemical treatment of soil washing solution on PAH degradation efficiency and soil respirometry. <i>Environmental Pollution</i> , 2016, 211, 354-362.	3.7	56
72	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

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73	Solvent Pretreatments of Lignocellulosic Materials to Enhance Biogas Production: A Review. <i>Energy & Fuels</i> , 2016, 30, 1892-1903.	2.5	54
74	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
75	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
76	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
77	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
78	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
79	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
80	Photofermentative production of hydrogen and poly- γ -hydroxybutyrate from dark fermentation products. <i>Bioresource Technology</i> , 2017, 228, 171-175.	4.8	52
81	Degradation of anti-inflammatory drug ketoprofen by electro-oxidation: comparison of electro-Fenton and anodic oxidation processes. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8406-8416.	2.7	51
82	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
83	Design considerations for a farm-scale biogas plant based on pilot-scale anaerobic digesters loaded with rice straw and piggery wastewater. <i>Biomass and Bioenergy</i> , 2012, 46, 469-478.	2.9	50
84	Pediatric adrenocortical tumors: morphological diagnostic criteria and immunohistochemical expression of matrix metalloproteinase type 2 and human leucocyte-associated antigen (HLA) class II antigens. <i>Human Pathology</i> , 2012, 43, 31-39.	1.1	50
85	Application of an electrochemical treatment for EDSS soil washing solution regeneration and reuse in a multi-step soil washing process: Case of a Cu contaminated soil. <i>Journal of Environmental Management</i> , 2015, 163, 62-69.	3.8	50
86	Enhanced methane production from rice straw co-digested with anaerobic sludge from pulp and paper mill treatment process. <i>Bioresource Technology</i> , 2013, 148, 135-143.	4.8	49
87	A functional biological network centered on XRCC3: a new possible marker of chemoradiotherapy resistance in rectal cancer patients. <i>Cancer Biology and Therapy</i> , 2015, 16, 1160-1171.	1.5	49
88	Concomitant biohydrogen and poly- γ -hydroxybutyrate production from dark fermentation effluents by adapted <i>Rhodobacter sphaeroides</i> and mixed photofermentative cultures. <i>Bioresource Technology</i> , 2016, 217, 157-164.	4.8	48
89	High-rate autotrophic denitrification in a fluidized-bed reactor at psychrophilic temperatures. <i>Chemical Engineering Journal</i> , 2017, 313, 591-598.	6.6	48
90	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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91	Removal of psychoactive pharmaceutical caffeine from water by electro-Fenton process using BDD anode: Effects of operating parameters on removal efficiency. Separation and Purification Technology, 2015, 156, 987-995.	3.9	47
92	Adsorption Behaviour of Lactic Acid on Granular Activated Carbon and Anionic Resins: Thermodynamics, Isotherms and Kinetic Studies. Energies, 2017, 10, 665.	1.6	47
93	Environmental impact and bioremediation of seleniferous soils and sediments. Critical Reviews in Biotechnology, 2018, 38, 941-956.	5.1	47
94	Complementary Techniques. , 2007, 593, 54-65.		46
95	Enhanced Anaerobic Digestion of Food Waste by Supplementing Trace Elements: Role of Selenium (VI) and Iron (II). Frontiers in Environmental Science, 2016, 4, .	1.5	46
96	Comparing performances, costs and energy balance of ex situ remediation processes for PAH-contaminated marine sediments. Environmental Science and Pollution Research, 2020, 27, 19363-19374.	2.7	46
97	Effect of methanol-organosolv pretreatment on anaerobic digestion of lignocellulosic materials. Renewable Energy, 2021, 169, 1000-1012.	4.3	46
98	Therapeutic potential of the phosphino Cu(I) complex (HydroCuP) in the treatment of solid tumors. Scientific Reports, 2017, 7, 13936.	1.6	45
99	Modelling trihalomethanes formation in water supply systems. Environmental Technology (United Kingdom), 2007, 28, 1123-1134.	1.2	44
100	Influence of pH, EDTA/Fe(II) ratio, and microbial culture on Fe(II)-mediated autotrophic denitrification. Environmental Science and Pollution Research, 2017, 24, 21323-21333.	2.7	44
101	Phytoremediation of pyrene-contaminated soils: A critical review of the key factors affecting the fate of pyrene. Journal of Environmental Management, 2021, 293, 112805.	3.8	44
102	Fluidized-bed denitrification for mine waters. Part I: low pH and temperature operation. Biodegradation, 2014, 25, 425-435.	1.5	43
103	An integrative framework identifies alternative splicing events in colorectal cancer development. Molecular Oncology, 2014, 8, 129-141.	2.1	43
104	Copper, lead and zinc removal from metal-contaminated wastewater by adsorption onto agricultural wastes. Environmental Technology (United Kingdom), 2015, 36, 3071-3083.	1.2	43
105	LKB1 Expression Correlates with Increased Survival in Patients with Advanced Non-Small Cell Lung Cancer Treated with Chemotherapy and Bevacizumab. Clinical Cancer Research, 2017, 23, 3316-3324.	3.2	43
106	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
107	Long-term biogas desulfurization under different microaerobic conditions in full-scale thermophilic digesters co-digesting high-solid sewage sludge. International Biodeterioration and Biodegradation, 2019, 142, 131-136.	1.9	43
108	Adrenocortical tumors in Italian children: Analysis of clinical characteristics and P53 status. Data from the national registries. Journal of Pediatric Surgery, 2014, 49, 1367-1371.	0.8	42

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109	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
110	Simultaneous denitrification, phosphorus recovery and low sulfate production in a recirculated pyrite-packed biofilter (RPPB). <i>Chemosphere</i> , 2020, 255, 126977.	4.2	42
111	Differential Regulation of Hypoxia-Induced CXCR4 Triggering during B-Cell Development and Lymphomagenesis. <i>Cancer Research</i> , 2007, 67, 8605-8614.	0.4	41
112	Prognostic significance of AMPK activation in advanced stage colorectal cancer treated with chemotherapy plus bevacizumab. <i>British Journal of Cancer</i> , 2014, 111, 25-32.	2.9	41
113	Effect of <i>N</i> -methylmorpholine- <i>N</i> -oxide Pretreatment on Biogas Production from Rice Straw, Cocoa Shell, and Hazelnut Skin. <i>Environmental Engineering Science</i> , 2016, 33, 843-850.	0.8	41
114	Kinetic modeling of fermentative hydrogen production by <i>Thermotoga neapolitana</i> . <i>International Journal of Hydrogen Energy</i> , 2016, 41, 4931-4940.	3.8	41
115	Methodological approaches for fractionation and speciation to estimate trace element bioavailability in engineered anaerobic digestion ecosystems: An overview. <i>Critical Reviews in Environmental Science and Technology</i> , 2016, 46, 1324-1366.	6.6	40
116	Hypoxia Inducible Factor-1 α Inactivation Unveils a Link between Tumor Cell Metabolism and Hypoxia-Induced Cell Death. <i>American Journal of Pathology</i> , 2008, 173, 1186-1201.	1.9	39
117	Mathematical modelling of disintegration-limited co-digestion of OFMSW and sewage sludge. <i>Water Science and Technology</i> , 2008, 58, 1513-1519.	1.2	39
118	Citric acid- and Tween [®] 80-assisted phytoremediation of a co-contaminated soil: alfalfa (<i>Medicago</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 23, 9215-9226.	2.7	39
119	High-solids anaerobic digestion model for homogenized reactors. <i>Water Research</i> , 2018, 142, 501-511.	5.3	38
120	Reduction of selenite to elemental selenium nanoparticles by activated sludge. <i>Environmental Science and Pollution Research</i> , 2016, 23, 1193-1202.	2.7	37
121	Effect of total solids content on methane and volatile fatty acid production in anaerobic digestion of food waste. <i>Waste Management and Research</i> , 2014, 32, 947-953.	2.2	35
122	Importance of organic amendment characteristics on bioremediation of PAH-contaminated soil. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15041-15052.	2.7	35
123	ADM1 based mathematical model of trace element precipitation/dissolution in anaerobic digestion processes. <i>Bioresource Technology</i> , 2018, 267, 666-676.	4.8	35
124	Interferon- β Gene Therapy by Lentiviral Vectors Contrasts Ovarian Cancer Growth Through Angiogenesis Inhibition. <i>Human Gene Therapy</i> , 2005, 16, 957-970.	1.4	34
125	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
126	hTERT inhibits the Epstein-Barr virus lytic cycle and promotes the proliferation of primary B lymphocytes: Implications for EBV-driven lymphomagenesis. <i>International Journal of Cancer</i> , 2007, 121, 576-587.	2.3	33

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127	Interferon- β counteracts the angiogenic switch and reduces tumor cell proliferation in a spontaneous model of prostatic cancer. <i>Carcinogenesis</i> , 2009, 30, 851-860.	1.3	33
128	Biological inverse fluidized-bed reactors for the treatment of low pH- and sulphate-containing wastewaters under different COD conditions. <i>Environmental Technology (United Kingdom)</i> , 2013, 34, 1141-1149.	1.2	33
129	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
130	Expression and functional activity of CXCR-4 and CCR-5 chemokine receptors in human thymocytes. <i>Clinical and Experimental Immunology</i> , 2002, 127, 321-330.	1.1	32
131	Effect of the sludge retention time on H ₂ utilization in a sulphate reducing gas-lift reactor. <i>Process Biochemistry</i> , 2003, 39, 491-498.	1.8	32
132	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
133	Restriction of HIV Type 1 Infection in Macrophages Heterozygous for a Deletion in the CC-Chemokine Receptor 5 Gene. <i>AIDS Research and Human Retroviruses</i> , 1999, 15, 1441-1452.	0.5	31
134	Model development and experimental validation of capnophilic lactic fermentation and hydrogen synthesis by <i>Thermotoga neapolitana</i> . <i>Water Research</i> , 2016, 99, 225-234.	5.3	31
135	Formation of Se(0), Te(0), and Se(0) \leftrightarrow 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
136	ADM1 based mathematical model of trace element complexation in anaerobic digestion processes. <i>Bioresource Technology</i> , 2019, 276, 253-259.	4.8	30
137	Biological sulfate removal from construction and demolition debris leachate: Effect of bioreactor configuration. <i>Journal of Hazardous Materials</i> , 2014, 269, 38-44.	6.5	29
138	Towards A New Decision Support System for Design, Management and Operation of Wastewater Treatment Plants for the Reduction of Greenhouse Gases Emission. <i>Water (Switzerland)</i> , 2015, 7, 5599-5616.	1.2	29
139	Modified Anaerobic Digestion Model No.1 for dry and semi-dry anaerobic digestion of solid organic waste. <i>Environmental Technology (United Kingdom)</i> , 2015, 36, 870-880.	1.2	29
140	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
141	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
142	Annexin 2A sustains glioblastoma cell dissemination and proliferation. <i>Oncotarget</i> , 2016, 7, 54632-54649.	0.8	29
143	Establishment and characterization of xenografts and cancer cell cultures derived from BRCA1 \sim/\sim epithelial ovarian cancers. <i>European Journal of Cancer</i> , 2006, 42, 1475-1483.	1.3	28
144	Biological sulfate removal from gypsum contaminated construction and demolition debris. <i>Journal of Environmental Management</i> , 2013, 131, 82-91.	3.8	28

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145	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
146	A Review of Microalgal Biofilm Technologies: Definition, Applications, Settings and Analysis. <i>Frontiers in Chemical Engineering</i> , 2021, 3, .	1.3	28
147	Assessment of trace heavy metals dynamics during the interaction of aqueous solutions with the artificial OECD soil: Evaluation of the effect of soil organic matter content and colloidal mobilization. <i>Chemosphere</i> , 2016, 163, 382-391.	4.2	27
148	Exploiting the Nutrient Potential of Anaerobically Digested Sewage Sludge: A Review. <i>Energies</i> , 2021, 14, 8149.	1.6	27
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