

Irini Angelidaki

List of Publications by Year in descending order

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Version: 2024-02-01

442
papers

39,626
citations

2696

98
h-index

5102

172
g-index

451
all docs

451
docs citations

451
times ranked

22189
citing authors

#	ARTICLE	IF	CITATIONS
1	Co-digestion of orange peels and marine seaweed with cattle manure to suppress inhibition from toxicants. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 3209-3218.	2.9	7
2	When microbial electrochemistry meets UV: The applicability to high-strength real pharmaceutical industry wastewater. <i>Journal of Hazardous Materials</i> , 2022, 423, 127151.	6.5	9
3	Advances in microalgal research for valorization of industrial wastewater. <i>Bioresource Technology</i> , 2022, 343, 126128.	4.8	28
4	Novel bioaugmentation strategy boosted with biochar to alleviate ammonia toxicity in continuous biomethanation. <i>Bioresource Technology</i> , 2022, 343, 126146.	4.8	17
5	Green electricity-driven simultaneous ammonia recovery and in-situ upcycling for microbial protein production. <i>Chemical Engineering Journal</i> , 2022, 430, 132890.	6.6	16
6	Self-sustained ammonium recovery from wastewater and upcycling for hydrogen-oxidizing bacteria-based power-to-protein conversion. <i>Bioresource Technology</i> , 2022, 344, 126271.	4.8	11
7	Elucidation of high removal efficiency of dichlorophen wastewater in anaerobic treatment system with iron/carbon mediator. <i>Journal of Cleaner Production</i> , 2022, 330, 129854.	4.6	12
8	Bridging to circular bioeconomy through a novel biorefinery platform on a wastewater treatment plant. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 154, 111895.	8.2	17
9	Techno-economic assessment of a hybrid forward osmosis and membrane distillation system for agricultural water recovery. <i>Separation and Purification Technology</i> , 2022, 283, 120196.	3.9	21
10	Enhanced fermentative lactic acid production from source-sorted organic household waste: Focusing on low-pH microbial adaptation and bio-augmentation strategy. <i>Science of the Total Environment</i> , 2022, 808, 152129.	3.9	12
11	From renewable energy to sustainable protein sources: Advancement, challenges, and future roadmaps. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112041.	8.2	24
12	Improving lactic acid production via bio-augmentation with acid-tolerant isolates from source-sorted organic household waste. <i>Biomass Conversion and Biorefinery</i> , 2022, 12, 4449-4461.	2.9	5
13	In-situ biogas upgrading assisted by bioaugmentation with hydrogenotrophic methanogens during mesophilic and thermophilic co-digestion. <i>Bioresource Technology</i> , 2022, 348, 126754.	4.8	22
14	Bioconversion of waste-to-resources (BWR-2021): Valorization of industrial and agro-wastes to fuel, feed, fertilizer, and biobased products. <i>Bioresource Technology</i> , 2022, 347, 126739.	4.8	16
15	H ₂ competition between homoacetogenic bacteria and methanogenic archaea during biomethanation from a combined experimental-modelling approach. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107281.	3.3	18
16	Going beyond conventional wastewater treatment plants within circular bioeconomy concept – a sustainability assessment study. <i>Water Science and Technology</i> , 2022, 85, 1878-1903.	1.2	6
17	Probiotic strategy for biofouling control through direct injection of quorum-quenching bacteria into membrane bioreactors. <i>Chemical Engineering Journal</i> , 2022, 438, 135572.	6.6	9
18	Innovative co-production of polyhydroxyalkanoates and methane from broken rice. <i>Science of the Total Environment</i> , 2022, 825, 153931.	3.9	11

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19	Ex-situ biogas upgrading in thermophilic trickle bed reactors packed with micro-porous packing materials. <i>Chemosphere</i> , 2022, 296, 133987.	4.2	18
20	Coproduction of hydrogen, butanol, butanediol, ethanol, and biogas from the organic fraction of municipal solid waste using bacterial cocultivation followed by anaerobic digestion. <i>Renewable Energy</i> , 2022, , .	4.3	10
21	Biochar enhanced bioaugmentation provides long-term tolerance under increasing ammonia toxicity in continuous biogas reactors. <i>Renewable Energy</i> , 2022, 195, 590-597.	4.3	3
22	Bioconversion of wastewater to single cell protein by methanotrophic bacteria. <i>Bioresource Technology</i> , 2021, 320, 124351.	4.8	57
23	Pretreatment of lignocelluloses for enhanced biogas production: A review on influencing mechanisms and the importance of microbial diversity. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110173.	8.2	128
24	Bio-augmentation to improve lactic acid production from source-sorted organic household waste. <i>Journal of Cleaner Production</i> , 2021, 279, 123714.	4.6	21
25	An integer superstructure model to find a sustainable biorefinery platform for valorizing household waste to bioenergy, microbial protein, and biochemicals. <i>Journal of Cleaner Production</i> , 2021, 278, 123986.	4.6	11
26	In situ Biogas Upgrading by CO ₂ -to-CH ₄ Bioconversion. <i>Trends in Biotechnology</i> , 2021, 39, 336-347.	4.9	116
27	A critical review on livestock manure biorefinery technologies: Sustainability, challenges, and future perspectives. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 135, 110033.	8.2	176
28	Heavy metal stabilization and improved biochar generation via pyrolysis of hydrothermally treated sewage sludge with antibiotic mycelial residue. <i>Waste Management</i> , 2021, 119, 152-161.	3.7	44
29	Mitigating antibiotic pollution using cyanobacteria: Removal efficiency, pathways and metabolism. <i>Water Research</i> , 2021, 190, 116735.	5.3	62
30	Optimization of a newly developed electromethanogenesis for the highest record of methane production. <i>Journal of Hazardous Materials</i> , 2021, 407, 124363.	6.5	24
31	Recovery of intermittent cycle extended aeration system sludge through conversion into biodiesel by in-situ transesterification. <i>Renewable Energy</i> , 2021, 163, 56-65.	4.3	6
32	Deep insights into the network of acetate metabolism in anaerobic digestion: focusing on syntrophic acetate oxidation and homoacetogenesis. <i>Water Research</i> , 2021, 190, 116774.	5.3	109
33	Scaling-up of microbial electrosynthesis with multiple electrodes for in situ production of hydrogen peroxide. <i>IScience</i> , 2021, 24, 102094.	1.9	24
34	Quorum quenching, biological characteristics, and microbial community dynamics as key factors for combating fouling of membrane bioreactors. <i>Npj Clean Water</i> , 2021, 4, .	3.1	17
35	Impact of storage duration and micro-aerobic conditions on lactic acid production from food waste. <i>Bioresource Technology</i> , 2021, 323, 124618.	4.8	16
36	Municipal biopulp as substrate for lactic acid production focusing on downstream processing. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105136.	3.3	17

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37	Microbial protein production from CO ₂ , H ₂ , and recycled nitrogen: Focusing on ammonia toxicity and nitrogen sources. <i>Journal of Cleaner Production</i> , 2021, 291, 125921.	4.6	30
38	Valorization of palm oil mill wastewater for integrated production of microbial oil and biogas in a biorefinery approach. <i>Journal of Cleaner Production</i> , 2021, 296, 126606.	4.6	11
39	Genome-Centric Metatranscriptomics Analysis Reveals the Role of Hydrochar in Anaerobic Digestion of Waste Activated Sludge. <i>Environmental Science & Technology</i> , 2021, 55, 8351-8361.	4.6	77
40	Bioelectrochemically assisted sustainable conversion of industrial organic wastewater and clean production of microalgal protein. <i>Resources, Conservation and Recycling</i> , 2021, 168, 105441.	5.3	19
41	Feeding strategies of continuous biomethanation processes during increasing organic loading with lipids or glucose for avoiding potential inhibition. <i>Bioresource Technology</i> , 2021, 327, 124812.	4.8	6
42	Beyond the farm: Making edible protein from CO ₂ via hybrid bioinorganic electrosynthesis. <i>One Earth</i> , 2021, 4, 868-878.	3.6	10
43	Evolution of the microbial community structure in biogas reactors inoculated with seeds from different origin. <i>Science of the Total Environment</i> , 2021, 773, 144981.	3.9	12
44	Degradation of metoprolol from wastewater in a bio-electro-Fenton system. <i>Science of the Total Environment</i> , 2021, 771, 145385.	3.9	25
45	Innovative air-cathode bioelectrochemical sensor for monitoring of total volatile fatty acids during anaerobic digestion. <i>Chemosphere</i> , 2021, 273, 129660.	4.2	12
46	The implications of using organic-rich industrial wastewater as biomethanation feedstocks. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 144, 110987.	8.2	10
47	Microbial dynamics in biogas digesters treating lipid-rich substrates via genome-centric metagenomics. <i>Science of the Total Environment</i> , 2021, 778, 146296.	3.9	17
48	A novel persulfate-photo-bioelectrochemical hybrid system promoting the degradation of refractory micropollutants at neutral pH. <i>Journal of Hazardous Materials</i> , 2021, 416, 125905.	6.5	8
49	Anaerobic co-digestion of macroalgal biomass with cattle manure under high salinity conditions. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105406.	3.3	13
50	Valorization of municipal organic waste into purified lactic acid. <i>Bioresource Technology</i> , 2021, 342, 125933.	4.8	19
51	Pilot-scale biomethanation in a trickle bed reactor: Process performance and microbiome functional reconstruction. <i>Energy Conversion and Management</i> , 2021, 244, 114491.	4.4	39
52	Comprehensive evaluation of different strategies to recover methanogenic performance in ammonia-stressed reactors. <i>Bioresource Technology</i> , 2021, 336, 125329.	4.8	25
53	Modelling bioaugmentation: Engineering intervention in anaerobic digestion. <i>Renewable Energy</i> , 2021, 175, 1080-1087.	4.3	10
54	Synergistic effect for efficient oxidization of refractory organics with high chroma by an innovative persulfate assisted microbial electrolysis ultraviolet cell. <i>Chemical Engineering Journal</i> , 2021, 419, 129477.	6.6	5

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55	Bio-electrochemically extracted nitrogen from residual resources for microbial protein production. <i>Bioresource Technology</i> , 2021, 337, 125353.	4.8	14
56	Could biological biogas upgrading be a sustainable substitution for water scrubbing technology? A case study in Denmark. <i>Energy Conversion and Management</i> , 2021, 245, 114550.	4.4	29
57	Multicomponent nanoparticles as means to improve anaerobic digestion performance. <i>Chemosphere</i> , 2021, 283, 131277.	4.2	21
58	Bioavailability and effect of \pm -Fe ₂ O ₃ nanoparticles on growth, fatty acid composition and morphological indices of <i>Chlorella vulgaris</i> . <i>Chemosphere</i> , 2021, 282, 131044.	4.2	20
59	Ex-situ biogas upgrading in thermophilic up-flow reactors: The effect of different gas diffusers and gas retention times. <i>Bioresource Technology</i> , 2021, 340, 125694.	4.8	22
60	Upcycling the anaerobic digestion streams in a bioeconomy approach: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111635.	8.2	24
61	Biogas upgrading and valorization to single-cell protein in a bioinorganic electrosynthesis system. <i>Chemical Engineering Journal</i> , 2021, 426, 131837.	6.6	10
62	Syngas biomethanation: effect of biomass-gas ratio, syngas composition and pH buffer. <i>Bioresource Technology</i> , 2021, 342, 125997.	4.8	16
63	Editorial: Biological Strategies to Enhance the Anaerobic Digestion Performance: Fundamentals and Process Development. <i>Frontiers in Microbiology</i> , 2021, 12, 762875.	1.5	0
64	Techno-Economic Assessment of Biological Biogas Upgrading Based on Danish Biogas Plants. <i>Energies</i> , 2021, 14, 8252.	1.6	20
65	Supervisory control of an anaerobic digester subject to drastic substrate changes. <i>Chemical Engineering Journal</i> , 2020, 391, 123502.	6.6	11
66	Microbial community response to ammonia levels in hydrogen assisted biogas production and upgrading process. <i>Bioresource Technology</i> , 2020, 296, 122276.	4.8	28
67	Anti-algal activity of Fe ₂ O ₃ @TiO ₂ photocatalyst on <i>Chlorella vulgaris</i> species under visible light irradiation. <i>Chemosphere</i> , 2020, 242, 125119.	4.2	30
68	Environmental life cycle assessment of different biorefinery platforms valorizing municipal solid waste to bioenergy, microbial protein, lactic and succinic acid. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 117, 109493.	8.2	136
69	Up-concentration of succinic acid, lactic acid, and ethanol fermentations broths by forward osmosis. <i>Biochemical Engineering Journal</i> , 2020, 155, 107482.	1.8	20
70	Metagenomic insights into bioaugmentation and biovalorization of oily industrial wastes by lipolytic oleaginous yeast <i>Yarrowia lipolytica</i> during successive batch fermentation. <i>Biotechnology and Applied Biochemistry</i> , 2020, 67, 1020-1029.	1.4	7
71	Effect of metal oxide based TiO ₂ nanoparticles on anaerobic digestion process of lignocellulosic substrate. <i>Energy</i> , 2020, 191, 116580.	4.5	25
72	Feasibility and applicability of the scaling-up of bio-electro-Fenton system for textile wastewater treatment. <i>Environment International</i> , 2020, 134, 105352.	4.8	42

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73	Revealing metabolic mechanisms of interaction in the anaerobic digestion microbiome by flux balance analysis. <i>Metabolic Engineering</i> , 2020, 62, 138-149.	3.6	45
74	Saline fish wastewater in biogas plants - Biomethanation toxicity and safe use. <i>Journal of Environmental Management</i> , 2020, 275, 111233.	3.8	10
75	Insights into Ammonia Adaptation and Methanogenic Precursor Oxidation by Genome-Centric Analysis. <i>Environmental Science & Technology</i> , 2020, 54, 12568-12582.	4.6	57
76	An innovative microbial electrochemical ultraviolet photolysis cell (MEUC) for efficient degradation of carbamazepine. <i>Water Research</i> , 2020, 187, 116451.	5.3	29
77	Fermentative Production of Lactic Acid as a Sustainable Approach to Valorize Household Bio-Waste. <i>Frontiers in Sustainability</i> , 2020, 1, .	1.3	18
78	Biological CO ₂ fixation in up-flow reactors via exogenous H ₂ addition. <i>Journal of Biotechnology</i> , 2020, 319, 1-7.	1.9	22
79	Proteinaceous methanotrophs for feed additive using biowaste as carbon and nutrients source. <i>Bioresource Technology</i> , 2020, 313, 123646.	4.8	33
80	Potassium inhibition during sludge and biopulp co-digestion; experimental and model-based approaches. <i>Waste Management</i> , 2020, 113, 304-311.	3.7	16
81	Electrochemical capacitive performance of intact anaerobic granular sludge-based 3D bioanode. <i>Journal of Power Sources</i> , 2020, 470, 228399.	4.0	18
82	Medium chain fatty acids production by microbial chain elongation: Recent advances. <i>Advances in Bioenergy</i> , 2020, 5, 63-99.	0.5	7
83	Sulfide restrains the growth of <i>Methylocapsa acidiphila</i> converting renewable biogas to single cell protein. <i>Water Research</i> , 2020, 184, 116138.	5.3	30
84	Carbon monoxide conversion and syngas biomethanation mediated by different microbial consortia. <i>Bioresource Technology</i> , 2020, 314, 123739.	4.8	27
85	Effect of ammonia on anaerobic digestion of municipal solid waste: Inhibitory performance, bioaugmentation and microbiome functional reconstruction. <i>Chemical Engineering Journal</i> , 2020, 401, 126159.	6.6	76
86	CO as electron donor for efficient medium chain carboxylate production by chain elongation: Microbial and thermodynamic insights. <i>Chemical Engineering Journal</i> , 2020, 390, 124577.	6.6	24
87	New insights from the biogas microbiome by comprehensive genome-resolved metagenomics of nearly 1600 species originating from multiple anaerobic digesters. <i>Biotechnology for Biofuels</i> , 2020, 13, 25.	6.2	136
88	Modeling temperature response in bioenergy production: Novel solution to a common challenge of anaerobic digestion. <i>Applied Energy</i> , 2020, 263, 114646.	5.1	28
89	Metabolic dependencies govern microbial syntrophies during methanogenesis in an anaerobic digestion ecosystem. <i>Microbiome</i> , 2020, 8, 22.	4.9	91
90	Microbial adaptation to high ammonia concentrations during anaerobic digestion of manure-based feedstock: biomethanation and 16S rRNA gene sequencing. <i>Journal of Chemical Technology and Biotechnology</i> , 2020, 95, 1970-1979.	1.6	20

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91	Human waste anaerobic digestion as a promising low-carbon strategy: Operating performance, microbial dynamics and environmental footprint. <i>Journal of Cleaner Production</i> , 2020, 256, 120414.	4.6	26
92	Coupling electrochemical ammonia extraction and cultivation of methane oxidizing bacteria for production of microbial protein. <i>Journal of Environmental Management</i> , 2020, 265, 110560.	3.8	21
93	Treatment of digestate residues for energy recovery and biochar production: From lab to pilot-scale verification. <i>Journal of Cleaner Production</i> , 2020, 265, 121852.	4.6	42
94	Hydrochar-Facilitated Anaerobic Digestion: Evidence for Direct Interspecies Electron Transfer Mediated through Surface Oxygen-Containing Functional Groups. <i>Environmental Science & Technology</i> , 2020, 54, 5755-5766.	4.6	190
95	Effect of surfactants on photocatalytic toxicity of TiO ₂ -based nanoparticles toward <i>Vibrio fischeri</i> marine bacteria. <i>Inorganic Chemistry Communication</i> , 2020, 116, 107936.	1.8	8
96	Long-term preserved and rapidly revived methanogenic cultures: Microbial dynamics and preservation mechanisms. <i>Journal of Cleaner Production</i> , 2020, 263, 121577.	4.6	11
97	Degradation of pharmaceuticals from wastewater in a 20-L continuous flow bio-electro-Fenton (BEF) system. <i>Science of the Total Environment</i> , 2020, 727, 138684.	3.9	49
98	Complete genome sequence of <i>Nitratireductor</i> sp. strain OM-1: A lipid-producing bacterium with potential use in wastewater treatment. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2019, 24, e00366.	2.1	3
99	Biogas Upgrading: Current and Emerging Technologies. , 2019, , 817-843.		24
100	Urban biowaste valorization by coupling anaerobic digestion and single cell protein production. <i>Bioresource Technology</i> , 2019, 290, 121743.	4.8	65
101	Methane oxidising bacteria to upcycle effluent streams from anaerobic digestion of municipal biowaste. <i>Journal of Environmental Management</i> , 2019, 251, 109590.	3.8	33
102	Hydrogenotrophic methanogens are the key for a successful bioaugmentation to alleviate ammonia inhibition in thermophilic anaerobic digesters. <i>Bioresource Technology</i> , 2019, 293, 122070.	4.8	66
103	Exoelectrogenic Anaerobic Granular Sludge for Simultaneous Electricity Generation and Wastewater Treatment. <i>Environmental Science & Technology</i> , 2019, 53, 12130-12140.	4.6	40
104	Bioaugmentation strategy for overcoming ammonia inhibition during biomethanation of a protein-rich substrate. <i>Chemosphere</i> , 2019, 231, 415-422.	4.2	66
105	Environmental impacts of biogas production from grass: Role of co-digestion and pretreatment at harvesting time. <i>Applied Energy</i> , 2019, 252, 113467.	5.1	40
106	Early warning indicators for mesophilic anaerobic digestion of corn stalk: a combined experimental and simulation approach. <i>Biotechnology for Biofuels</i> , 2019, 12, 106.	6.2	35
107	Biogas upgrading and biochemical production from gas fermentation: Impact of microbial community and gas composition. <i>Bioresource Technology</i> , 2019, 286, 121413.	4.8	38
108	Exploring stability indicators for efficient monitoring of anaerobic digestion of pig manure under perturbations. <i>Waste Management</i> , 2019, 91, 139-146.	3.7	39

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109	Carbon dioxide anion radical as a tool to enhance lignin valorization. <i>Science of the Total Environment</i> , 2019, 682, 47-58.	3.9	14
110	Enhancing anaerobic digestion of agricultural residues by microaerobic conditions. <i>Biomass Conversion and Biorefinery</i> , 2019, , 1.	2.9	6
111	Acclimatization contributes to stable anaerobic digestion of organic fraction of municipal solid waste under extreme ammonia levels: Focusing on microbial community dynamics. <i>Bioresource Technology</i> , 2019, 286, 121376.	4.8	89
112	Valorization of organic waste with simultaneous biogas upgrading for the production of succinic acid. <i>Biochemical Engineering Journal</i> , 2019, 147, 136-145.	1.8	45
113	Application of nano-structured materials in anaerobic digestion: Current status and perspectives. <i>Chemosphere</i> , 2019, 229, 188-199.	4.2	95
114	Immobilization of <i>Clostridium kluuyveri</i> on wheat straw to alleviate ammonia inhibition during chain elongation for n-caproate production. <i>Environment International</i> , 2019, 127, 134-141.	4.8	21
115	The Potential of Biogas; the Solution to Energy Storage. <i>ChemSusChem</i> , 2019, 12, 2147-2153.	3.6	52
116	Graphene based ZnO nanoparticles to depolymerize lignin-rich residues via UV/iodide process. <i>Environment International</i> , 2019, 125, 172-183.	4.8	21
117	Engineering Oleaginous Yeast as the Host for Fermentative Succinic Acid Production From Glucose. <i>Frontiers in Bioengineering and Biotechnology</i> , 2019, 7, 361.	2.0	21
118	Microbial profiling during anaerobic digestion of cheese whey in reactors operated at different conditions. <i>Bioresource Technology</i> , 2019, 275, 375-385.	4.8	59
119	Novel ecological insights and functional roles during anaerobic digestion of saccharides unveiled by genome-centric metagenomics. <i>Water Research</i> , 2019, 151, 271-279.	5.3	83
120	Innovative operation of microbial fuel cell-based biosensor for selective monitoring of acetate during anaerobic digestion. <i>Science of the Total Environment</i> , 2019, 655, 1439-1447.	3.9	41
121	Process performance and microbial community structure in thermophilic trickling biofilter reactors for biogas upgrading. <i>Science of the Total Environment</i> , 2019, 655, 529-538.	3.9	85
122	Co-digestion of <i>Laminaria digitata</i> with cattle manure: A unimodel simulation study of both batch and continuous experiments. <i>Bioresource Technology</i> , 2019, 276, 361-368.	4.8	19
123	<i>Miscanthus</i> straw as substrate for biosuccinic acid production: Focusing on pretreatment and downstream processing. <i>Bioresource Technology</i> , 2019, 278, 82-91.	4.8	27
124	Co-digestion of municipal waste biopulp with marine macroalgae focusing on sodium inhibition. <i>Energy Conversion and Management</i> , 2019, 180, 931-937.	4.4	25
125	16s rRNA gene sequencing and radioisotopic analysis reveal the composition of ammonia acclimatized methanogenic consortia. <i>Bioresource Technology</i> , 2019, 272, 54-62.	4.8	32
126	Microbial electrolytic disinfection process for highly efficient <i>Escherichia coli</i> inactivation. <i>Chemical Engineering Journal</i> , 2018, 342, 220-227.	6.6	33

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127	Metagenomic binning reveals the functional roles of core abundant microorganisms in twelve full-scale biogas plants. <i>Water Research</i> , 2018, 140, 123-134.	5.3	122
128	Biorefineries: Focusing on a Closed Cycle Approach with Biogas as the Final Step. <i>Biofuel and Biorefinery Technologies</i> , 2018, , 277-303.	0.1	3
129	A novel process for volatile fatty acids production from syngas by integrating with mesophilic alkaline fermentation of waste activated sludge. <i>Water Research</i> , 2018, 139, 372-380.	5.3	39
130	Co-digestion and model simulations of source separated municipal organic waste with cattle manure under batch and continuously stirred tank reactors. <i>Energy Conversion and Management</i> , 2018, 159, 1-6.	4.4	46
131	Taxonomy of anaerobic digestion microbiome reveals biases associated with the applied high throughput sequencing strategies. <i>Scientific Reports</i> , 2018, 8, 1926.	1.6	70
132	Biogas upgrading and utilization: Current status and perspectives. <i>Biotechnology Advances</i> , 2018, 36, 452-466.	6.0	885
133	Life cycle assessment of different strategies for energy and nutrient recovery from source sorted organic fraction of household waste. <i>Journal of Cleaner Production</i> , 2018, 180, 360-374.	4.6	76
134	Performance and genome-centric metagenomics of thermophilic single and two-stage anaerobic digesters treating cheese wastes. <i>Water Research</i> , 2018, 134, 181-191.	5.3	56
135	Integrated electrochemical-biological process as an alternative mean for ammonia monitoring during anaerobic digestion of organic wastes. <i>Chemosphere</i> , 2018, 195, 735-741.	4.2	25
136	Bio-electro-Fenton process for the degradation of Non-Steroidal Anti-Inflammatory Drugs in wastewater. <i>Chemical Engineering Journal</i> , 2018, 338, 401-410.	6.6	96
137	Biogas and its opportunitiesâ€”A review. <i>Frontiers of Environmental Science and Engineering</i> , 2018, 12, 1.	3.3	201
138	Hybrid biogas upgrading in a two-stage thermophilic reactor. <i>Energy Conversion and Management</i> , 2018, 168, 1-10.	4.4	71
139	TiO ₂ â€”AgCl Based Nanoparticles for Photocatalytic Production of Phenolic Compounds from Lignocellulosic Residues. <i>Energy & Fuels</i> , 2018, 32, 6813-6822.	2.5	16
140	Microbial fuel cell-based biosensor for toxic carbon monoxide monitoring. <i>Talanta</i> , 2018, 186, 368-371.	2.9	32
141	Nutrient recovery from industrial wastewater as single cell protein by a co-culture of green microalgae and methanotrophs. <i>Biochemical Engineering Journal</i> , 2018, 134, 129-135.	1.8	115
142	Evaluation of microalgae production coupled with wastewater treatment. <i>Environmental Technology (United Kingdom)</i> , 2018, 39, 581-592.	1.2	51
143	Acclimation to extremely high ammonia levels in continuous biomethanation process and the associated microbial community dynamics. <i>Bioresource Technology</i> , 2018, 247, 616-623.	4.8	133
144	Converting mesophilic upflow sludge blanket (UASB) reactors to thermophilic by applying axenic methanogenic culture bioaugmentation. <i>Chemical Engineering Journal</i> , 2018, 332, 508-516.	6.6	30

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145	Amino acids production focusing on fermentation technologies – A review. <i>Biotechnology Advances</i> , 2018, 36, 14-25.	6.0	205
146	Process performance and modelling of anaerobic digestion using source-sorted organic household waste. <i>Bioresource Technology</i> , 2018, 247, 486-495.	4.8	52
147	Microbial electrochemical separation of CO ₂ for biogas upgrading. <i>Bioresource Technology</i> , 2018, 247, 380-386.	4.8	43
148	Microalgal process-monitoring based on high-selectivity spectroscopy tools: status and future perspectives. <i>Critical Reviews in Biotechnology</i> , 2018, 38, 704-718.	5.1	19
149	Nickel spiking to improve the methane yield of sewage sludge. <i>Bioresource Technology</i> , 2018, 270, 732-737.	4.8	31
150	Factors influencing the fate of antibiotic resistance genes during thermochemical pretreatment and anaerobic digestion of pharmaceutical waste sludge. <i>Environmental Pollution</i> , 2018, 243, 1403-1413.	3.7	36
151	Microbial activity response to hydrogen injection in thermophilic anaerobic digesters revealed by genome-centric metatranscriptomics. <i>Microbiome</i> , 2018, 6, 194.	4.9	39
152	Integrated production of cellulosic bioethanol and succinic acid from rapeseed straw after dilute-acid pretreatment. <i>Bioresource Technology</i> , 2018, 265, 191-199.	4.8	69
153	Simultaneous biogas upgrading and biochemicals production using anaerobic bacterial mixed cultures. <i>Water Research</i> , 2018, 142, 86-95.	5.3	58
154	A proposed mechanism for the ammonia-LCFA synergetic co-inhibition effect on anaerobic digestion process. <i>Chemical Engineering Journal</i> , 2018, 349, 574-580.	6.6	35
155	Two-year microbial adaptation during hydrogen-mediated biogas upgrading process in a serial reactor configuration. <i>Bioresource Technology</i> , 2018, 264, 140-147.	4.8	72
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