Akihiko Terada

List of Publications by Year
in descending order

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Version: 2024-02-01

154	4,976	76326	106344
papers	citations	40 h-index	65 g-index

155	155	155	4587
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aggregate Size and Architecture Determine Microbial Activity Balance for One-Stage Partial Nitritation and Anammox. Applied and Environmental Microbiology, 2010, 76, 900-909.	3.1	318
2	Shifts between Nitrospiraâ€•and Nitrobacterâ€like nitrite oxidizers underlie the response of soil potential nitrite oxidation to changes in tillage practices. Environmental Microbiology, 2010, 12, 315-326.	3.8	214
3	Nitrogen removal characteristics and biofilm analysis of a membrane-aerated biofilm reactor applicable to high-strength nitrogenous wastewater treatment. Journal of Bioscience and Bioengineering, 2003, 95, 170-178.	2.2	191
4	Simultaneous nitrification and denitrification by controlling vertical and horizontal microenvironment in a membrane-aerated biofilm reactor. Journal of Biotechnology, 2003, 100, 23-32.	3.8	188
5	Heterotrophic activity compromises autotrophic nitrogen removal in membrane-aerated biofilms: Results of a modeling study. Water Research, 2008, 42, 1102-1112.	11.3	175
6	Nitrogen Removal from Digested Black Water by One-Stage Partial Nitritation and Anammox. Environmental Science & Technology, 2009, 43, 5035-5041.	10.0	160
7	Bacterial adhesion to and viability on positively charged polymer surfaces. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock	1.8	129
8	Modeling of membrane-aerated biofilm: Effects of C/N ratio, biofilm thickness and surface loading of oxygen on feasibility of simultaneous nitrification and denitrification. Biochemical Engineering Journal, 2007, 37, 98-107.	3.6	119
9	Sequential Aeration of Membrane-Aerated Biofilm Reactors for High-Rate Autotrophic Nitrogen Removal: Experimental Demonstration. Environmental Science & Technology, 2010, 44, 7628-7634.	10.0	109
10	Microbial community structure in autotrophic nitrifying granules characterized by experimental and simulation analyses. Environmental Microbiology, 2010, 12, 192-206.	3.8	108
11	The effect of surface charge property on Escherichia coli initial adhesion and subsequent biofilm formation. Biotechnology and Bioengineering, 2012, 109, 1745-1754.	3.3	107
12	Nitrite oxidation kinetics of two Nitrospira strains: The quest for competition and ecological niche differentiation. Journal of Bioscience and Bioengineering, 2017, 123, 581-589.	2.2	99
13	The relationship between anammox and denitrification in the sediment of an inland river. Science of the Total Environment, 2014, 490, 1029-1036.	8.0	90
14	Counter-diffusion biofilms have lower N2O emissions than co-diffusion biofilms during simultaneous nitrification and denitrification: Insights from depth-profile analysis. Water Research, 2017, 124, 363-371.	11.3	87
15	Redox-stratification controlled biofilm (ReSCoBi) for completely autotrophic nitrogen removal: The effect of co- versus counter-diffusion on reactor performance. Biotechnology and Bioengineering, 2007, 97, 40-51.	3.3	84
16	Synthesis of CTAB intercalated graphene and its application for the adsorption of AR265 and AO7 dyes from water. Journal of Colloid and Interface Science, 2017, 493, 51-61.	9.4	83
17	Nitrous oxide emissions from biofilm processes for wastewater treatment. Applied Microbiology and Biotechnology, 2018, 102, 9815-9829.	3.6	71
18	Nitritation performance in membrane-aerated biofilm reactors differs from conventional biofilm systems. Water Research, 2010, 44, 6073-6084.	11.3	70

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19	Hybrid Nitrous Oxide Production from a Partial Nitrifying Bioreactor: Hydroxylamine Interactions with Nitrite. Environmental Science & Technology, 2017, 51, 2748-2756.	10.0	66
20	Elucidation of dominant effect on initial bacterial adhesion onto polymer surfaces prepared by radiation-induced graft polymerization. Colloids and Surfaces B: Biointerfaces, 2005, 43, 99-107.	5.0	65
21	Biokinetic Characterization and Activities of N2O-Reducing Bacteria in Response to Various Oxygen Levels. Frontiers in Microbiology, 2018, 9, 697.	3.5	65
22	Feasibility of a membrane-aerated biofilm reactor to achieve controllable nitrification. Biochemical Engineering Journal, 2006, 28, 123-130.	3.6	64
23	Presence and detection of anaerobic ammonium-oxidizing (anammox) bacteria and appraisal of anammox process for high-strength nitrogenous wastewater treatment: a review. Clean Technologies and Environmental Policy, 2011, 13, 759-781.	4.1	64
24	Removal and immobilization of heavy metals in contaminated soils by chlorination and thermal treatment on an industrial-scale. Chemical Engineering Journal, 2019, 359, 385-392.	12.7	62
25	Enhancing the formation and shear resistance of nitrifying biofilms on membranes by surface modification. Water Research, 2009, 43, 3469-3478.	11.3	60
26	Inoculum effects on community composition and nitritation performance of autotrophic nitrifying biofilm reactors with counterâ€diffusion geometry. Environmental Microbiology, 2010, 12, 2858-2872.	3.8	59
27	Physiological characteristics of predominant ammonia-oxidizing bacteria enriched from bioreactors with different influent supply regimes. Biochemical Engineering Journal, 2013, 79, 153-161.	3.6	56
28	Assessing nitrification and denitrification in a paddy soil with different water dynamics and applied liquid cattle waste using the 15N isotopic technique. Science of the Total Environment, 2012, 430, 93-100.	8.0	53
29	Nitritation performance and biofilm development of co- and counter-diffusion biofilm reactors: Modeling and experimental comparison. Water Research, 2009, 43, 2699-2709.	11.3	51
30	Behavior of PCDDs/PCDFs in remediation of PCBs-contaminated sediments by thermal desorption. Chemosphere, 2010, 80, 184-189.	8.2	51
31	Structure and activity of lacustrine sediment bacteria involved in nutrient and iron cycles. FEMS Microbiology Ecology, 2011, 77, 666-679.	2.7	51
32	Rapid autohydrogenotrophic denitrification by a membrane biofilm reactor equipped with a fibrous support around a gas-permeable membrane. Biochemical Engineering Journal, 2006, 31, 84-91.	3.6	50
33	Sequentially aerated membrane biofilm reactors for autotrophic nitrogen removal: microbial community composition and dynamics. Microbial Biotechnology, 2014, 7, 32-43.	4.2	50
34	Predicting the Responses of Soil Nitrite-Oxidizers to Multi-Factorial Global Change: A Trait-Based Approach. Frontiers in Microbiology, 2016, 7, 628.	3.5	50
35	Autotrophic Nitrogen Removal in a Membrane-Aerated Biofilm Reactor Under Continuous Aeration: A Demonstration. Environmental Engineering Science, 2013, 30, 38-45.	1.6	48
36	Mechanochemical degradation of Î³-hexachlorocyclohexane by a planetary ball mill in the presence of CaO. Chemosphere, 2012, 86, 228-234.	8.2	47

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37	Influence of feedstock-to-inoculum ratio on performance and microbial community succession during solid-state thermophilic anaerobic co-digestion of pig urine and rice straw. Bioresource Technology, 2018, 252, 127-133.	9.6	46
38	Novel abiotic reactions increase nitrous oxide production during partial nitrification: Modeling and experiments. Chemical Engineering Journal, 2015, 281, 1017-1023.	12.7	45
39	Free nitrous acid and pH determine the predominant ammonia-oxidizing bacteria and amount of N2O in a partial nitrifying reactor. Applied Microbiology and Biotechnology, 2017, 101, 1673-1683.	3.6	44
40	Nitrogen removal efficiencies and microbial communities in full-scale IFAS and MBBR municipal wastewater treatment plants at high COD:N ratio. Frontiers of Environmental Science and Engineering, 2020, 14, 1.	6.0	44
41	Experimental and simulation analysis of community structure of nitrifying bacteria in a membrane-aerated biofilm. Water Science and Technology, 2007, 55, 283-290.	2.5	43
42	The influence of the total solid content on the stability of dry-thermophilic anaerobic digestion of rice straw and pig manure. Waste Management, 2018, 76, 350-356.	7.4	41
43	Abundance, transcription levels and phylogeny of bacteria capable of nitrous oxide reduction in a municipal wastewater treatment plant. Journal of Bioscience and Bioengineering, 2014, 118, 289-297.	2.2	40
44	Sequencing batch membrane biofilm reactor for simultaneous nitrogen and phosphorus removal: Novel application of membrane-aerated biofilm. Biotechnology and Bioengineering, 2006, 94, 730-739.	3.3	39
45	Dodecyl sulfate chain anchored mesoporous graphene: Synthesis and application to sequester heavy metal ions from aqueous phase. Chemical Engineering Journal, 2016, 304, 431-439.	12.7	38
46	Enrichment, Isolation, and Characterization of High-Affinity N₂O-Reducing Bacteria in a Gas-Permeable Membrane Reactor. Environmental Science & Technology, 2019, 53, 12101-12112.	10.0	38
47	Nonlinear pattern and algal dual-impact in N2O emission with increasing trophic levels in shallow lakes. Water Research, 2021, 203, 117489.	11.3	38
48	High-rate nitrogen removal from waste brine by marine anammox bacteria in a pilot-scale UASB reactor. Applied Microbiology and Biotechnology, 2018, 102, 1501-1512.	3.6	38
49	The effect of hydroxylamine on the activity and aggregate structure of autotrophic nitrifying bioreactor cultures. Biotechnology and Bioengineering, 2009, 102, 714-724.	3.3	37
50	Formation pathways of polychlorinated dibenzofurans (PCDFs) in sediments contaminated with PCBs during the thermal desorption process. Chemosphere, 2012, 88, 1368-1374.	8.2	35
51	Predicting the acute ecotoxicity of chemical substances by machine learning using graph theory. Chemosphere, 2020, 238, 124604.	8.2	34
52	Nonlinear response of methane release to increased trophic state levels coupled with microbial processes in shallow lakes. Environmental Pollution, 2020, 265, 114919.	7.5	33
53	Prevention of lead leaching from fly ashes by mechanochemical treatment. Waste Management, 2010, 30, 1290-1295.	7.4	32
54	Variation of the microbial community in thermophilic anaerobic digestion of pig manure mixed with different ratios of rice straw. Journal of Bioscience and Bioengineering, 2016, 122, 334-340.	2.2	32

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55	Effect of infiltration rate on nitrogen dynamics in paddy soil after high-load nitrogen application containing 15N tracer. Ecological Engineering, 2011, 37, 685-692.	3.6	31
56	Potential for leaching of arsenic from excavated rock after different drying treatments. Chemosphere, 2016, 154, 276-282.	8.2	30
57	Impact of carbon sources on nitrous oxide emission and microbial community structure in an anoxic/oxic activated sludge system. Clean Technologies and Environmental Policy, 2015, 17, 2375-2385.	4.1	28
58	CH4 and N2O emissions from different varieties of forage rice (Oryza sativa L.) treating liquid cattle waste. Science of the Total Environment, 2012, 419, 178-186.	8.0	27
59	Antibacterial and anti-biofilm efficacy of fluoropolymer coating by a 2,3,5,6-tetrafluoro-p-phenylenedimethanol structure. Colloids and Surfaces B: Biointerfaces, 2017, 151, 363-371.	5.0	26
60	Identification of hotspots for NO and N2O production and consumption in counter- and co-diffusion biofilms for simultaneous nitrification and denitrification. Bioresource Technology, 2017, 245, 318-324.	9.6	26
61	Combination of ¹⁵N Tracer and Microbial Analyses Discloses N₂O Sink Potential of the Anammox Community. Environmental Science & Technology, 2021, 55, 9231-9242.	10.0	23
62	Nitrous oxide-sink capability of denitrifying bacteria impacted by nitrite and pH. Chemical Engineering Journal, 2022, 428, 132402.	12.7	23
63	Eco-compatible biochar mitigates volatile fatty acids stress in high load thermophilic solid-state anaerobic reactors treating agricultural waste. Bioresource Technology, 2020, 309, 123366.	9.6	22
64	Degradation of polychlorinated naphthalene by mechanochemical treatment. Chemosphere, 2013, 93, 2657-2661.	8.2	20
65	High-pressure jet device for activated sludge reduction: Feasibility of sludge solubilization. Biochemical Engineering Journal, 2015, 100, 1-8.	3.6	19
66	N2O production by denitrification in an urban river: evidence from isotopes, functional genes, and dissolved organic matter. Limnology, 2018, 19, 115-126.	1.5	19
67	Organic carbon determines nitrous oxide consumption activity of clade I and II nosZ bacteria: Genomic and biokinetic insights. Water Research, 2022, 209, 117910.	11.3	19
68	Use of batch leaching tests to quantify arsenic release from excavated urban soils with relatively low levels of arsenic. Journal of Soils and Sediments, 2017, 17, 2136-2143.	3.0	18
69	Disentangling the multiple effects of a novel high pressure jet device upon bacterial cell disruption. Chemical Engineering Journal, 2017, 323, 105-113.	12.7	18
70	Pollution potential leaching index as a tool to assess water leaching risk of arsenic in excavated urban soils. Ecotoxicology and Environmental Safety, 2018, 147, 72-79.	6.0	18
71	Influence of nitrogen loading and plant nitrogen assimilation on nitrogen leaching and N2O emission in forage rice paddy fields fertilized with liquid cattle waste. Environmental Science and Pollution Research, 2015, 22, 5762-5771.	5.3	17
72	Determining uncertainties in PICRUSt analysis â€“ An easy approach for autotrophic nitrogen removal. Biochemical Engineering Journal, 2019, 152, 107328.	3.6	16

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73	Comparison of leachate percolation and immersion using different inoculation strategies in thermophilic solid-state anaerobic digestion of pig urine and rice straw. Bioresource Technology, 2019, 277, 216-220.	9.6	16
74	Influence of C/N Ratio on Performance and Microbial Community Structure of Dry-Thermophilic Anaerobic Co-Digestion of Swine Manure and Rice Straw. Journal of Medical and Bioengineering, 2016, 5, 11-14.	0.5	16
75	Modeling and experimental study on the anaerobic/aerobic/anoxic process for simultaneous nitrogen and phosphorus removal: The effect of acetate addition. Process Biochemistry, 2008, 43, 605-614.	3.7	15
76	Effects of aeration and internal recycle flow on nitrous oxide emissions from a modified Ludzakâ€“Ettinger process fed with glycerol. Environmental Science and Pollution Research, 2015, 22, 19562-19570.	5.3	14
77	Resuscitation of starved suspended- and attached-growth anaerobic ammonium oxidizing bacteria with and without acetate. Water Science and Technology, 2017, 75, 115-127.	2.5	14
78	Effects of acetate and nitrite addition on fraction of denitrifying phosphate-accumulating organisms and nutrient removal efficiency in anaerobic/aerobic/anoxic process. Bioprocess and Biosystems Engineering, 2006, 29, 305-313.	3.4	13
79	Impact of turning waste on performance and energy balance in thermophilic solid-state anaerobic digestion of agricultural waste. Waste Management, 2019, 87, 183-191.	7.4	13
80	Temperature and oxygen level determine N₂O respiration activities of heterotrophic N₂Oâ€reducing bacteria: Biokinetic study. Biotechnology and Bioengineering, 2021, 118, 1330-1341.	3.3	13
81	Identification and quantification of bacteria and archaea responsible for ammonia oxidation in different activated sludge of full-scale wastewater treatment plants. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2015, 50, 169-175.	1.7	12
82	Mitigation of CH4 and N2O emissions from a forage rice field fertilized with aerated liquid fraction of cattle slurry by optimizing water management and topdressing. Ecological Engineering, 2015, 75, 24-32.	3.6	12
83	Single-cell analysis of the disruption of bacteria with a high-pressure jet device: An application of atomic force microscopy. Chemical Engineering Journal, 2016, 306, 1099-1108.	12.7	12
84	High-rate partial nitrification of semiconductor wastewater: Implications of online monitoring and microbial community structure. Biochemical Engineering Journal, 2019, 143, 34-40.	3.6	12
85	Reducing geogenic arsenic leaching from excavated sedimentary soil using zero-valent iron amendment followed by dry magnetic separation: A case study. Science of the Total Environment, 2020, 724, 138203.	8.0	12
86	Low nitrous oxide concentration and spatial microbial community transition across an urban river affected by treated sewage. Water Research, 2022, 216, 118276.	11.3	12
87	Identification of nosZ-expressing microorganisms consuming trace N2O in microaerobic chemostat consortia dominated by an uncultured Burkholderiales. ISME Journal, 2022, 16, 2087-2098.	9.8	12
88	Nitrous oxide production and mRNA expression analysis of nitrifying and denitrifying bacterial genes under floodwater disappearance and fertilizer application. Environmental Science and Pollution Research, 2017, 24, 15852-15859.	5.3	11
89	Novel composite gel beads for the immobilization of ammonia-oxidizing bacteria: Fabrication, characterization, and biokinetic analysis. Chemical Engineering Journal, 2018, 342, 260-265.	12.7	11
90	Immobilization of Azospira sp. strain I13 by gel entrapment for mitigation of N2O from biological wastewater treatment plants: Biokinetic characterization and modeling. Journal of Bioscience and Bioengineering, 2018, 126, 213-219.	2.2	11

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91	Increased nitrogen deposition contributes to plant biodiversity loss in Japan: Insights from long-term historical monitoring data. Environmental Pollution, 2021, 290, 118033.	7.5	10
92	Fibrous Support Stabilizes Nitrification Performance of a Membrane-Aerated Biofilm: The Effect of Liquid Flow Perturbation. Journal of Chemical Engineering of Japan, 2009, 42, 607-615.	0.6	10
93	Nitrogen Removal Characteristics and Biofilm Analysis of a Membrane-Aerated Biofilm Reactor Applicable to High-Strength Nitrogenous Wastewater Treatment.. Journal of Bioscience and Bioengineering, 2003, 95, 170-178.	2.2	10
94	N₂O Reduction by <i>Gemmatimonas aurantiaca</i> and Potential Involvement of <i>Gemmatimonadetes</i> Bacteria in N₂O Reduction in Agricultural Soils. Microbes and Environments, 2022, 37, n/a.	1.6	10
95	Efficient oxygen supply and rapid biofilm formation by a new composite polystyrene elastomer membrane for use in a membrane-aerated biofilm reactor. Biochemical Engineering Journal, 2022, 183, 108442.	3.6	10
96	Adequacy of a Simple Diffusion Model to Predict Benzene Behavior in Soil. Soil Science Society of America Journal, 2011, 75, 2147-2157.	2.2	9
97	Utilization of recycled charcoal as a thermal source and adsorbent for the treatment of PCDD/Fs contaminated sediment. Journal of Hazardous Materials, 2012, 225-226, 182-189.	12.4	9
98	Removal of PCDD/Fs from contaminated sediment and released effluent gas by charcoal in a proposed cost-effective thermal treatment process. Chemosphere, 2013, 93, 1456-1463.	8.2	9
99	Identification of a predominant effect on bacterial cell disruption and released organic matters by a high-pressure jet device. Biochemical Engineering Journal, 2015, 101, 220-227.	3.6	9
100	Efficacy of a high-pressure jet device for excess sludge reduction in a conventional activated sludge process: Pilot-scale demonstration. Chemical Engineering Journal, 2017, 326, 78-86.	12.7	9
101	Inhibition of Agrobacterium tumefaciens biofilm formation by acylase I-immobilized polymer surface grafting of a zwitterionic group-containing polymer brush. Biochemical Engineering Journal, 2019, 152, 107372.	3.6	9
102	Significance of soil moisture on temperature dependence of Hg emission. Journal of Environmental Management, 2022, 305, 114308.	7.8	9
103	Mitigation of Greenhouse Gas Emissions by Water Management in a Forage Rice Paddy Field Supplemented with Dry-Thermophilic Anaerobic Digestion Residue. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	8
104	Investigations of water-extractability of As in excavated urban soils using sequential leaching tests: Effect of testing parameters. Journal of Environmental Management, 2018, 217, 297-304.	7.8	8
105	Time to actâ€“assessing variations in qPCR analyses in biological nitrogen removal with examples from partial nitritation/anammox systems. Water Research, 2021, 190, 116604.	11.3	8
106	Direct and Indirect Greenhouse Gas Emissions from Vertical Flow Constructed Wetland Planted with Forage Rice. Kagaku Kogaku Ronbunshu, 2010, 36, 229-236.	0.3	8
107	Spatial and daily variations of nitrous oxide emissions from biological reactors in a full-scale activated sludge anoxic/oxic process. Journal of Bioscience and Bioengineering, 2019, 127, 333-339.	2.2	7
108	Nitrogen and Oxygen Isotope Signatures of Nitrogen Compounds during Anammox in the Laboratory and a Wastewater Treatment Plant. Microbes and Environments, 2020, 35, n/a.	1.6	7

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109	Removal of PCBs and HCB from contaminated solids using a novel successive self-propagated sintering process. Environmental Science and Pollution Research, 2015, 22, 17527-17539.	5.3	6
110	Draft Genome Sequence of Azospira sp. Strain I13, a Nitrous Oxide-Reducing Bacterium Harboring Clade II Type nosZ. Genome Announcements, 2018, 6, .	0.8	6
111	Exploration and enrichment of methane-oxidizing bacteria derived from a rice paddy field emitting highly concentrated methane. Journal of Bioscience and Bioengineering, 2020, 130, 311-318.	2.2	6
112	Effects of N loading rate on CH4 and N2O emissions during cultivation and fallow periods from forage rice fields fertilized with liquid cattle waste. Journal of Environmental Management, 2015, 161, 124-130.	7.8	5
113	Successive self-propagating sintering process using carbonaceous materials: A novel low-cost remediation approach for dioxin-contaminated solids. Journal of Hazardous Materials, 2015, 299, 231-240.	12.4	5
114	Identification of a Metagenome-Assembled Genome of an Uncultured Methyloceanibacter sp. Strain Acquired from an Activated Sludge System Used for Landfill Leachate Treatment. Microbiology Resource Announcements, 2020, 9, .	0.6	4
115	Identifying prokaryotes and eukaryotes disintegrated by a high-pressure jet device for excess activated sludge reduction. Biochemical Engineering Journal, 2020, 157, 107495.	3.6	4
116	Quorum quenching acylase impacts the viability and morphological change of Agrobacterium tumefaciens cells. Journal of Bioscience and Bioengineering, 2020, 130, 82-88.	2.2	4
117	An immobilisation mechanism for lead in fly ash subjected to mechanochemical treatment. International Journal of Environment and Waste Management, 2013, 12, 340.	0.3	3
118	Enhancing the dewaterability of anaerobically digested sludge using fibrous materials recovered from primary sludge: demonstration from a field study. Clean Technologies and Environmental Policy, 2019, 21, 1131-1141.	4.1	3
119	Lessons from a simple ecological wastewater treatment technology for scientific research and advanced engineering. Clean Technologies and Environmental Policy, 2019, 21, 717-718.	4.1	3
120	Complete Genome Sequence of Pseudomonas putida Strain TS312, Harboring an HdtS-Type N -Acyl-Homoserine Lactone Synthase, Isolated from a Paper Mill. Microbiology Resource Announcements, 2020, 9, .	0.6	3
121	Study of penetration behavior of PCB-DNAPL in a sand layer by a column experiment. Chemosphere, 2014, 114, 59-68.	8.2	2
122	Effect of Biological and Mass Transfer Parameter Uncertainty on N₂O Emission Estimates from WRRFs. Water Environment Research, 2017, 89, 580-585.	2.7	2
123	Potential of bacterial cometabolism as another means of antibiotic decomposition in a wastewater treatment facility. Clean Technologies and Environmental Policy, 2019, 21, 1699-1700.	4.1	2
124	Startup, performance, and microbial communities of an anammox reactor inoculated with indigenous sludge for the treatment of high-salinity and mesophilic underground brine. Clean Technologies and Environmental Policy, 2019, 21, 1001-1011.	4.1	2
125	Oxygen diffusivity and reaction rate in spherical gel entrapping ammonia-oxidizing bacteria. Biochemical Engineering Journal, 2020, 164, 107788.	3.6	2
126	Metagenomic Insights Into Functional and Taxonomic Compositions of an Activated Sludge Microbial Community Treating Leachate of a Completed Landfill: A Pathway-Based Analysis. Frontiers in Microbiology, 2021, 12, 640848.	3.5	2

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127	Feasibility of Biodegradation of Clarithromycin by <i>Nitrosomonas europaea</i>. Kagaku Kogaku Ronbunshu, 2017, 43, 264-270.	0.3	2
128	Improvement of Denitrifying Reaction Rate by Enhanced Substrate Transport within a Cell-Immobilized Space by Electrophoresis. Kagaku Kogaku Ronbunshu, 2006, 32, 507-513.	0.3	1
129	Evaluation of permeation rates of soil fumigants through plastic films by the cup method. Journal of Pesticide Sciences, 2012, 37, 28-36.	1.4	1
130	Decomposition of Insoluble Cyanide in Contaminated Soil by Base-Activated Sodium Persulfate. Journal of Chemical Engineering of Japan, 2015, 48, 970-975.	0.6	1
131	Complete Genome Sequence of Methylosinus sp. Strain C49, a Methane-Oxidizing Bacterium Harboring phaABC Genes for Polyhydroxyalkanoate Synthesis. Microbiology Resource Announcements, 2020, 9, .	0.6	1
132	Long-term Assessment of N₂O Emission Factor in Full-scale Oxidation Ditch Reactor Considering Spatiotemporal Distribution. Journal of Water and Environment Technology, 2021, 19, 139-152.	0.7	1
133	Arsenic leaching potential from excavated rock: Sequential Leaching Test (SLT) and Rapid Small-Scale Column Test (RSSCT)â€"a case study. Arsenic in the Environment Proceedings, 2016, , 157-159.	0.0	1
134	Mechanisms of Nitrogen Removal in Forage Rice Field Applied with Liquid Cattle Waste at High Nitrogen Loading. Kagaku Kogaku Ronbunshu, 2012, 38, 290-298.	0.3	1
135	Improvement of Dewatering Efficiency of Anaerobic Digested Sludge by use of Fibrous Materials in Sewage. Kagaku Kogaku Ronbunshu, 2017, 43, 238-244.	0.3	1
136	Excess Sludge Reduction Using a High-pressure Jet Device via a Modified Ludzack-Ettinger Process: Performance and Microbial Communities. Journal of Water and Environment Technology, 2020, 18, 238-253.	0.7	1
137	Model Prediction of Completely Autotrophic Nitrogen Removal under Different Reactor Configurations. Proceedings of the Water Environment Federation, 2008, 2008, 3082-3100.	0.0	0
138	Population Dynamics of Aerobic and Anaerobic Ammonia Oxidizers in an Autotrophic Nitrogen Removal Membrane Biofilm Reactor. Proceedings of the Water Environment Federation, 2008, 2008, 3209-3220.	0.0	0
139	Controlling Gaseous Nitrogen Oxide Emissions and Nitrogen Removal Performance in Hollow Fiber Membrane-Aerated Biofilm Reactors. Proceedings of the Water Environment Federation, 2008, 2008, 327-342.	0.0	0
140	Surface Modification for Bacterial Immobilization by Radiation-Induced Graft Polymerization and Application to Biological Wastewater Treatment. Membrane, 2008, 33, 54-62.	0.0	0
141	Enhancement of Nitrogen and Phosphorus Removal in an Anaerobic/Oxic/Anoxic Sequencing Batch Reactor as Affected by the Amount of External Carbon. Journal of Water and Environment Technology, 2011, 9, 79-86.	0.7	0
142	Applicability of a Sequencing Batch Membrane Biofilm Reactor for Simultaneous Nitrogen and Phosphorus Removal from Low C/N Ratio Wastewater. Journal of Water and Environment Technology, 2013, 11, 487-496.	0.7	0
143	Effect of carbon sources on nitrous oxide emission in a modified Ludzak Ettinger process. Water Science and Technology, 2015, 72, 572-578.	2.5	0
144	How can we transfer scientific discoveries to engineered systems?: An example of exploring unknown bacteria. Clean Technologies and Environmental Policy, 2017, 19, 625-626.	4.1	0

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145	Breaking trade-off in nitrogen management and sustainability. Clean Technologies and Environmental Policy, 2017, 19, 1993-1994.	4.1	0
146	Significance of co-digestion as energy recovery at a sewage treatment plant amenable to a shrinking population. Clean Technologies and Environmental Policy, 2018, 20, 909-910.	4.1	0
147	The implication of an advanced bioprocess for the acquisition of valuable microbial resources toward a sustainable and low-environmental burden society. Clean Technologies and Environmental Policy, 2020, 22, 993-994.	4.1	0
148	Anaerobic Baffled Reactor Pilot at Plum Creek Water Reclamation Authority. Proceedings of the Water Environment Federation, 2015, 2015, 2189-2198.	0.0	0
149	Digestibility of Riverbed Plants by Dry-Thermophilic Anaerobic Digestion. Kagaku Kogaku Ronbunshu, 2017, 43, 224-230.	0.3	0
150	Reduction of Alkali Consumption in One-Stage Partial Nitritation-Anammox Treatment for Waste Brine. Kagaku Kogaku Ronbunshu, 2018, 44, 324-333.	0.3	0
151	Prediction of Fish Acute Ecotoxicity of Inorganic and Ionized Chemical Substances by Machine Learning. Journal of Computer Aided Chemistry, 2019, 20, 104-110.	0.3	0
152	Predicting the Fish Chronic Ecotoxicity of Chemical Substance with New Ecotoxicity Fingerprint and Stacked Ensemble Method on Machine Learning. Journal of Computer Aided Chemistry, 2019, 20, 111-118.	0.3	0
153	Microbial Biotransformation and Biomineralization of Organic-Rich Waste. Current Pollution Reports, 0, , 1.	6.6	0
154	Recent Progress in Cutting-edge Monitoring Tools for Microbiomes in Engineered Systems. Journal of Japan Society on Water Environment, 2022, 45, 91-105.	0.4	0