

Motoharu Onuki

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,730
citations

361045

20
h-index

288905

40
g-index

57
all docs

57
docs citations

57
times ranked

2096
citing authors

#	ARTICLE	IF	CITATIONS
1	The microbiology of biological phosphorus removal in activated sludge systems. <i>FEMS Microbiology Reviews</i> , 2003, 27, 99-127.	3.9	507
2	In situ identification and characterization of the microbial community structure of full-scale enhanced biological phosphorous removal plants in Japan. <i>Water Research</i> , 2005, 39, 2901-2914.	5.3	130
3	Microbial community structure in activated sludge floc analysed by fluorescence in situ hybridization and its relation to floc stability. <i>Water Research</i> , 2008, 42, 2300-2308.	5.3	102
4	Small-island communities in the Philippines prefer local measures to relocation in response to sea-level rise. <i>Nature Climate Change</i> , 2017, 7, 581-586.	8.1	86
5	Abundance, Diversity, and Dynamics of Viruses on Microorganisms in Activated Sludge Processes. <i>Microbial Ecology</i> , 2007, 53, 143-152.	1.4	78
6	Risk awareness and intended tsunami evacuation behaviour of international tourists in Kamakura City, Japan. <i>International Journal of Disaster Risk Reduction</i> , 2017, 23, 178-192.	1.8	69
7	PHA-accumulating microorganisms in full-scale wastewater treatment plants. <i>Water Science and Technology</i> , 2008, 58, 13-20.	1.2	38
8	Microorganisms involved in anaerobic phenol degradation in the treatment of synthetic coke-oven wastewater detected by RNA stable-isotope probing. <i>FEMS Microbiology Letters</i> , 2009, 291, 169-174.	0.7	38
9	Future of Asian Deltaic Megacities under sea level rise and land subsidence: current adaptation pathways for Tokyo, Jakarta, Manila, and Ho Chi Minh City. <i>Current Opinion in Environmental Sustainability</i> , 2021, 50, 87-97.	3.1	38
10	Adaptation to sea level rise on low coral islands: Lessons from recent events. <i>Ocean and Coastal Management</i> , 2019, 168, 35-40.	2.0	35
11	Sustainability education and a new master's degree, the master of sustainability science: the Graduate Program in Sustainability Science (GPSS) at the University of Tokyo. <i>Sustainability Science</i> , 2009, 4, 55.	2.5	34
12	Analysis of microbial community that performs enhanced biological phosphorus removal in activated sludge fed with acetate. <i>Water Science and Technology</i> , 2002, 46, 145-154.	1.2	31
13	Isolation, characterization of bacteriophages specific to <i>Microlunatus phosphovorus</i> and their application for rapid host detection. <i>Letters in Applied Microbiology</i> , 2006, 42, 259-264.	1.0	31
14	Microbial community of biological phosphorus removal process fed with municipal wastewater under different electron acceptor conditions. <i>Water Science and Technology</i> , 2006, 54, 81-89.	1.2	30
15	Adaptation to sea level rise: Learning from present examples of land subsidence. <i>Ocean and Coastal Management</i> , 2020, 189, 104852.	2.0	27
16	Influence of flocculation and settling properties of activated sludge in relation to secondary settler performance. <i>Water Science and Technology</i> , 2006, 54, 147-155.	1.2	26
17	Analysis of polyhydroxyalkanoate (PHA) synthase gene in activated sludge that produces PHA containing 3-hydroxy-2-methylvalerate. <i>Biotechnology and Bioengineering</i> , 2007, 96, 871-880.	1.7	26
18	The design and effects of short-term rental regulation. <i>Current Issues in Tourism</i> , 2022, 25, 3245-3260.	4.6	26

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19	Examining substrate uptake patterns of Rhodocyclus-related PAO in full-scale EBPR plants by using the MAR-FISH technique. <i>Water Science and Technology</i> , 2006, 54, 63-70.	1.2	25
20	Abundance of Candidatus 'Accumulibacter phosphatis' in Enhanced Biological Phosphorus Removal Activated Sludge Acclimatized with Different Carbon Sources. <i>Microbes and Environments</i> , 2007, 22, 346-354.	0.7	25
21	Community-based adaptation in low-lying islands in the Philippines: challenges and lessons learned. <i>Regional Environmental Change</i> , 2018, 18, 2249-2260.	1.4	25
22	Challenges in Build-Back-Better Housing Reconstruction Programs for Coastal Disaster Management: Case of Tacloban City, Philippines. <i>Coastal Engineering Journal</i> , 2016, 58, 1640010-1-1640010-32.	0.7	22
23	Application of molecular methods to microbial community analysis of activated sludge. <i>Water Science and Technology</i> , 2000, 42, 17-22.	1.2	22
24	Microbial Community Composition of Polyhydroxyalkanoate-Accumulating Organisms in Full-Scale Wastewater Treatment Plants Operated in Fully Aerobic Mode. <i>Microbes and Environments</i> , 2013, 28, 96-104.	0.7	21
25	Support Phosphorus Recycling Policy with Social Life Cycle Assessment: A Case of Japan. <i>Sustainability</i> , 2017, 9, 1223.	1.6	20
26	Disaster awareness in three low risk coastal communities in Puerto Princesa City, Palawan, Philippines. <i>International Journal of Disaster Risk Reduction</i> , 2020, 46, 101508.	1.8	19
27	Incorporating External Effects into Project Sustainability Assessments: The Case of a Green Campus Initiative Based on a Solar PV System. <i>Sustainability</i> , 2019, 11, 5786.	1.6	18
28	Development of the Quantitative PCR Method for Candidatus 'Accumulibacter phosphatis' and Its Application to Activated Sludge. <i>Journal of Water and Environment Technology</i> , 2007, 5, 37-43.	0.3	17
29	Assessment of Downscaling Planetary Boundaries to Semi-Arid Ecosystems with a Local Perception: A Case Study in the Middle Reaches of Heihe River. <i>Sustainability</i> , 2016, 8, 1233.	1.6	16
30	Understanding Community-Level Flooding Awareness in Remote Coastal Towns in Northern Chile through Community Mapping. <i>Geosciences (Switzerland)</i> , 2019, 9, 279.	1.0	15
31	In-situ adaptation against climate change can enable relocation of impoverished small islands. <i>Marine Policy</i> , 2019, 108, 103614.	1.5	14
32	Design thinking as digital transformative pedagogy in higher sustainability education: Cases from Japan and Germany. <i>International Journal of Educational Research</i> , 2022, 114, 101994.	1.2	14
33	Potential in-Situ Adaptation Strategies for Climate-Related Sea-Level Rise: Insights from a Small Island in The Philippines Experiencing Earthquake-Induced Land Subsidence. <i>International Journal of Sustainable Future for Human Security</i> , 2016, 4, 44-53.	0.1	13
34	Survey Tool for Rapid Assessment of Socio-Economic Vulnerability of Fishing Communities in Vietnam to Climate Change. <i>Geosciences (Switzerland)</i> , 2018, 8, 452.	1.0	10
35	Resiliency in tourism transportation: Case studies of Japanese railway companies preparing for the 2020 Tokyo Olympics. <i>International Journal of Disaster Risk Reduction</i> , 2019, 38, 101222.	1.8	10
36	Effect of pH reduction on polyphosphate- and glycogen-accumulating organisms in enhanced biological phosphorus removal processes. <i>Water Science and Technology</i> , 2010, 62, 1432-1439.	1.2	8

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37	Separation of PHA-accumulating cells in activated sludge based on differences in buoyant density. <i>Journal of General and Applied Microbiology</i> , 2010, 56, 163-167.	0.4	8
38	Reconstruction Following the 2011 Tohoku Earthquake Tsunami. , 2015, , 615-631.		8
39	Developing joint educational programs in sustainability science across different universities: a case study from Japan. <i>Sustainability Science</i> , 2018, 13, 849-860.	2.5	6
40	A review of data-intensive approaches for sustainability: methodology, epistemology, normativity, and ontology. <i>Sustainability Science</i> , 2020, 15, 955-974.	2.5	6
41	Decoupled formal and informal flooding adaptation and conflicts in coastal cities: A case study of Ho Chi Minh City. <i>Ocean and Coastal Management</i> , 2021, 209, 105654.	2.0	6
42	Behavior of Nitrite Oxidizers in the Nitrification/Denitrification Process for the Treatment of Simulated Coke-Oven Wastewater. <i>Journal of Water and Environment Technology</i> , 2007, 5, 29-36.	0.3	4
43	Rapid quantification of total viral DNA in the supernatants of activated sludge samples with the fluorescent dye PicoGreen®. <i>Letters in Applied Microbiology</i> , 2008, 46, 434-438.	1.0	4
44	Understanding the preferences of rural communities for adaptation to 21st-century sea-level rise: A case study from the Samoan islands. <i>Climate Risk Management</i> , 2020, 30, 100254.	1.6	4
45	Experiential Knowledge Complements an LCA-Based Decision Support Framework. <i>Sustainability</i> , 2015, 7, 12386-12401.	1.6	3
46	Effective Implementation of Sustainability Education in Higher Education Settings via Transformative Learning Approach. <i>Advances in Educational Technologies and Instructional Design Book Series</i> , 2020, , 230-251.	0.2	3
47	Analysis of microbial community that performs enhanced biological phosphorus removal in activated sludge fed with acetate. <i>Water Science and Technology</i> , 2002, 46, 145-53.	1.2	3
48	Occurrence of Polyhydroxyalkanoate as Temporal Carbon Storage Material in Activated Sludge during The Removal of Organic Pollutants. <i>Journal of Water and Environment Technology</i> , 2008, 6, 77-83.	0.3	2
49	Bridging practices, institutions, and landscapes through a scale-based approach for research and practice: A case study of a business association in South India. <i>Ecological Economics</i> , 2019, 160, 240-250.	2.9	2
50	Survey on Development and Management System of Public Toilets in Beijing -Case Studies in Dongsi and Xianyukou Areas-. <i>Journal of Asian Architecture and Building Engineering</i> , 2007, 6, 315-322.	1.2	1
51	APIEL Compulsory Course: Environmental Challenges and Leadership in Asia. , 2013, , 41-62.		1
52	Drawing Lessons from the Minamata Incident for the General Public: Exercise on Resilience, Minamata Unit AY2014. , 2016, , 93-113.		1
53	Adaptation to Sea Level Rise in Densely Populated Coastal Areas: Learning from Examples of Land Subsidence in Japan, Indonesia and the Philippines. , 2020, , 1185-1192.		1
54	Setting up an Authentic Learning Environment in Hybrid Setting for Transformative Learning: Experiences from a Field Exercise Course in Higher Sustainability Education. , 2021, , .		1

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55	Impact of pH on Anaerobic Substrate Uptake by PAOs and GAOs in an EBPR Activated Sludge Process Analyzed by MAR-FISH. Journal of Water and Environment Technology, 2009, 7, 215-223.	0.3	0
56	Potential for Growth of Candidatus 'Accumulibacter phosphatis' in an Aerobic Shaking Culture. Journal of Water and Environment Technology, 2010, 8, 77-83.	0.3	0
57	Setting up an Authentic Learning Environment in Hybrid Setting for Transformative Learning: Experiences from a Field Exercise Course in Higher Sustainability Education. , 2021, , .		0