

# Takahiro Watari

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

288  
citations

1039880

9  
h-index

940416

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docs citations

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times ranked

263  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficiency of high rate treatment of low-strength municipality sewage by a pilot-scale combination system of a sedimentation tank and a down-flow hanging sponge reactor. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 2457-2466.	1.2	6
2	Hexavalent Chromium Removal and Prokaryotic Community Analysis in Glass Column Reactor Packed with Aspen Wood as Solid Organic Substrate. <i>Applied Biochemistry and Biotechnology</i> , 2022, 194, 1425-1441.	1.4	2
3	Accelerating anaerobic propionate degradation and studying microbial community using modified polyvinyl alcohol beads during anaerobic digestion. <i>Bioresource Technology Reports</i> , 2022, 17, 100907.	1.5	5
4	Effect of formic acid inflow on microbial properties of the anaerobic granular sludge in a UASB reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2022, , 1-7.	0.9	0
5	Adsorption and biodegradation removal of methylene blue in a down-flow hanging filter reactor incorporating natural adsorbent. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 410-418.	1.2	6
6	Application of down-flow hanging sponge “ Upflow sludge blanket system for nitrogen removal in <i>Epinephelus bruneus</i> closed recirculating aquaculture system. <i>Aquaculture</i> , 2021, 532, 735997.	1.7	13
7	Anaerobic biological treatment of EG/PG water-soluble copolymer coupled with down-flow hanging sponge reactor. <i>Environmental Technology and Innovation</i> , 2021, 21, 101325.	3.0	5
8	Nanosecond pulse used to enhance the electrocoagulation of municipal wastewater treatment with low specific energy consumption. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 2154-2162.	1.2	3
9	Role of live cell colonization in the biofilm formation process in membrane bioreactors treating actual sewage under low organic loading rate conditions. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1721-1729.	1.7	9
10	Enrichment of marine manganese-oxidizing microorganisms using polycaprolactone as a solid organic substrate. <i>Biotechnology Letters</i> , 2021, 43, 813-823.	1.1	2
11	Development of UASB“DHS system for anaerobically-treated tofu processing wastewater treatment under ambient temperature. <i>Environmental Technology (United Kingdom)</i> , 2021, , 1-10.	1.2	3
12	Enhanced decolorization of dyeing wastewater in a sponges-submerged anaerobic reactor. <i>Chemosphere</i> , 2021, 279, 130475.	4.2	15
13	Effect of salinities on nitrogen removal performance of DHS-USB system and growth of <i>Epinephelus bruneus</i> in closed recirculating aquaculture system. <i>International Biodeterioration and Biodegradation</i> , 2021, 164, 105299.	1.9	8
14	Development of a photo-baffled reactor for microalgae-nitrifying bacteria consortia: Achieving long-term, stable partial nitrification. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106082.	3.3	13
15	Adsorption of colour from dye wastewater effluent of a down-flow hanging sponge reactor on purified coconut fibre. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 1337-1346.	1.2	8
16	Enrichment of microbial communities for hexavalent chromium removal using a biofilm reactor. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 1589-1595.	0.9	3
17	Performance of real-scale anaerobic baffled reactor-swim bed tank system in treating fishmeal wastewater. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020, 55, 1415-1423.	0.9	0
18	Formation of denitrifying granules in an upflow sludge blanket reactor with municipal sewage and sodium nitrate feeding. <i>Environmental Technology and Innovation</i> , 2020, 19, 100861.	3.0	18

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19	Positive impact of a reducing agent on autotrophic nitrogen removal process and nexus of nitrous oxide emission in an anaerobic downflow hanging sponge reactor. <i>Chemosphere</i> , 2020, 256, 126952.	4.2	7
20	A potential zero water exchange system for recirculating aquarium using a DHS-USB system coupled with ozone. <i>Environmental Technology (United Kingdom)</i> , 2020, , 1-11.	1.2	1
21	Comparison between Nanosecond Pulse and Direct Current Electrocoagulation for Textile Wastewater Treatment. <i>Journal of Water and Environment Technology</i> , 2020, 18, 147-156.	0.3	1
22	Enhancing anaerobic syntrophic propionate degradation using modified polyvinyl alcohol gel beads. <i>Heliyon</i> , 2020, 6, e05665.	1.4	9
23	Temporal variation of eukaryotic community structures in UASB reactor treating domestic sewage as revealed by 18S rRNA gene sequencing. <i>Scientific Reports</i> , 2019, 9, 12783.	1.6	26
24	Evaluation of Pretreatment Effect for Spent Mushroom Substrate on Methane Production. <i>Journal of Water and Environment Technology</i> , 2019, 17, 174-179.	0.3	5
25	Characteristics of greenhouse gas emissions from an anaerobic wastewater treatment system in a natural rubber processing factory. <i>Environmental Technology (United Kingdom)</i> , 2019, 40, 2954-2961.	1.2	5
26	Fouling Development in A/O-MBR under Low Organic Loading Condition and Identification of Key Bacteria for Biofilm Formations. <i>Scientific Reports</i> , 2018, 8, 11427.	1.6	21
27	Development of downflow hanging sponge (DHS) reactor as post treatment of existing combined anaerobic tank treating natural rubber processing wastewater. <i>Water Science and Technology</i> , 2017, 75, 57-68.	1.2	38
28	Performance evaluation of the pilot scale upflow anaerobic sludge blanket “ Downflow hanging sponge system for natural rubber processing wastewater treatment in South Vietnam. <i>Bioresource Technology</i> , 2017, 237, 204-212.	4.8	36
29	Anaerobic Baffled Reactor in Treatment of Natural Rubber Processing Wastewater: Reactor Performance and Analysis of Microbial Community. <i>Journal of Water and Environment Technology</i> , 2017, 15, 241-251.	0.3	10
30	Impact of aluminum chloride on process performance and microbial community structure of granular sludge in an upflow anaerobic sludge blanket reactor for natural rubber processing wastewater treatment. <i>Water Science and Technology</i> , 2016, 74, 500-507.	1.2	10