Hiroshi Sakai

List of Publications by Year
in descending order

38	822	623734 14	501196 28
papers	citations	h-index	g-index

38	38	38	878
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of UV light emitting diodes to batch and flow-through water disinfection systems. Desalination, 2013, 328, 24-30.	8.2	149
2	Review on effect of different type of dyes on advanced oxidation processes (AOPs) for textile color removal. Chemosphere, 2022, 291, 132906.	8.2	118
3	Rapid enhanced photocatalytic degradation of dyes using novel N-doped ZrO 2. Journal of Environmental Management, 2016, 165, 224-234.	7.8	102
4	Effects of low- or medium-pressure ultraviolet lamp irradiation on Microcystis aeruginosa and Anabaena variabilis. Water Research, 2007, 41, 11-18.	11.3	50
5	Comparison of chlorination and chloramination in carbonaceous and nitrogenous disinfection byproduct formation potentials with prolonged contact time. Water Research, 2016, 88, 661-670.	11.3	49
6	Occurrence and formation potential of N-nitrosodimethylamine in ground water and river water in Tokyo. Water Research, 2011, 45, 3369-3377.	11.3	47
7	Kinetics of Microcystis aeruginosa Growth and Intracellular Microcystins Release after UV Irradiation. Environmental Science & Technology, 2009, 43, 896-901.	10.0	34
8	Inactivation of Viruses by Combination Processes of UV and Chlorine. Journal of Water and Environment Technology, 2014, 12, 511-523.	0.7	33
9	Effects of low or medium-pressure UV irradiation on the release of intracellular microcystin. Water Research, 2007, 41, 3458-3464.	11.3	30
10	Simultaneous removal of dissolved organic matter and bromide from drinking water source by anion exchange resins for controlling disinfection by-products. Journal of Environmental Sciences, 2014, 26, 1294-1300.	6.1	24
11	Effects of wavelength and water quality on photodegradation of N-Nitrosodimethylamine (NDMA). Chemosphere, 2012, 89, 702-707.	8.2	19
12	Change in haloacetic acid formation potential during UV and UV/H2O2 treatment of model organic compounds. Chemosphere, 2013, 92, 647-651.	8.2	17
13	Effect of photoreactivation on ultraviolet inactivation of Microcystis aeruginosa. Water Science and Technology, 2011, 63, 1224-1229.	2.5	15
14	Formation of perfluorinated surfactants from precursors by indigenous microorganisms in groundwater. Chemosphere, 2013, 93, 140-145.	8.2	15
15	Estimation of contribution from non-point sources to perfluorinated surfactants in a river by using boron as a wastewater tracer. Chemosphere, 2011, 84, 1125-1132.	8.2	14
16	Removal of organic matter and phosphate using ferrihydrite for reduction of microbial regrowth potential. Water Science and Technology, 2012, 66, 1348-1353.	2.5	14
17	Occurrence and Distribution of Microcystins in Lake Taihu, China. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	11
18	Quality of Source Water and Drinking Water in Urban Areas of Myanmar. Scientific World Journal, The, 2013, 2013, 1-5.	2.1	11

#	Article	IF	Citations
19	Use of an ultraviolet light-activated persulfate process to degrade humic substances: effects of wavelength and persulfate dose. Environmental Science and Pollution Research, 2022, 29, 9923-9931.	5.3	9
20	Report cards for aging and maintenance assessment of water-supply infrastructure. Journal of Water Supply: Research and Technology - AQUA, 2020, 69, 355-364.	1.4	8
21	Degradation of N-Nitrosodimethylamine by Mercury-Free Excimer UV Lamps. Environmental Engineering Science, 2016, 33, 341-346.	1.6	7
22	Effect of Wavelength on the UV-Degradation ofN-Nitrosodimethylamine. Ozone: Science and Engineering, 2012, 34, 115-119.	2.5	6
23	Optimum operation of desalination plant to minimize power consumption and water shortage risks in Okinawa, Japan. Desalination and Water Treatment, 2013, 51, 19-25.	1.0	6
24	Water sanitation, hygiene and the prevalence of diarrhea in the rural areas of the delta region of Myanmar. Journal of Water and Health, 2022, 20, 149-156.	2.6	6
25	Effects of natural organic matter and nitrate on the behavior of nitrosodimethylamine during ultraviolet irradiation and chloramination. Journal of Water Supply: Research and Technology - AQUA, 2014, 63, 260-267.	1.4	5
26	Degradation of Linear Alkylbenzene Sulfonate by UV/H₂O₂ Process. Ozone: Science and Engineering, 2021, 43, 317-323.	2.5	5
27	Impacts of seawater intrusion on groundwater quality in Htantabin township of the deltaic region of southern Myanmar. Groundwater for Sustainable Development, 2021, 14, 100645.	4.6	5
28	Perceptions of water quality, and current and future water consumption of residents in the central business district of Yangon city Myanmar. Water Science and Technology: Water Supply, 2022, 22, 1094-1106.	2.1	4
29	Evaluation of Yangon city tap water quality and the efficacy of household treatment. Water Quality Research Journal of Canada, 0, , .	2.7	2
30	Degradation of nine nitrosamines in water by ultraviolet irradiation. , 0, 58, 442-448.		2
31	Low- or Medium-pressure UV Lamp Inactivation of Microcystis aeruginosa. Journal of Water and Environment Technology, 2005, 3, 55-61.	0.7	1
32	Membrane fouling in seawater desalination processes caused by harmful dinoflagellateCochlodinium polykrikoides. Desalination and Water Treatment, 2013, 51, 950-957.	1.0	1
33	DEVELOPMENT AND EVALUATION OF A RING-SHAPED WATER DISINFECTION SYSTEM USING UV LIGHT EMITTING DIODES. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2014, 70, III_1-III_8.	0.1	1
34	Antibiotic resistance of fecal indicator bacteria from fishponds and nearby water sources in the Ayeyarwady Delta region of Myanmar. Limnology, 2021, 22, 357-362.	1.5	1
35	Water treatment practices in rural Myanmar and residentsâ€™ perceptions of technologies from donor countries. , 0, 208, 337-344.		1
36	Effects of Coexisting Matters on Photodegradation and Reformation of N-Nitrosodimethylamine. Journal of Japan Society on Water Environment, 2013, 36, 175-181.	0.4	0

#	Article	IF	Citations
37	Improvement of Eluent Used by Size Exclusion Chromatography for Dissolved Organic Matter Analysis. Bunseki Kagaku, 2017, 66, 745-749.	0.2	0
38	Evaluation of Boundary Conditions for Image-Based Simulation. The Proceedings of the JSME Annual Meeting, 2003, 2003.7, 19-20.	0.0	0