

Akira Hafuka

List of Publications by Year in descending order

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papers

433
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759233

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docs citations

25
times ranked

591
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of feeding regimens on polyhydroxybutyrate production from food wastes by <i>Cupriavidus necator</i> . <i>Bioresource Technology</i> , 2011, 102, 3551-3553.	9.6	64
2	High efficiency removal of phosphate from water by zirconium sulfate-surfactant micelle mesostructure immobilized on polymer matrix. <i>Water Research</i> , 2013, 47, 3583-3590.	11.3	49
3	High-flux operation of MBRs with ceramic flat-sheet membranes made possible by intensive membrane cleaning: Tests with real domestic wastewater under low-temperature conditions. <i>Water Research</i> , 2020, 181, 115881.	11.3	36
4	Characteristics of meso-particles formed in coagulation process causing irreversible membrane fouling in the coagulation-microfiltration water treatment. <i>Water Research</i> , 2016, 101, 127-136.	11.3	34
5	Development of novel polysulfone membranes with embedded zirconium sulfate-surfactant micelle mesostructure for phosphate recovery from water through membrane filtration. <i>Water Research</i> , 2017, 124, 521-526.	11.3	33
6	Differences in behaviour of three biopolymer constituents in coagulation with polyaluminium chloride: Implications for the optimisation of a coagulation-membrane filtration process. <i>Water Research</i> , 2018, 133, 255-263.	11.3	31
7	Digestion performance and contributions of organic and inorganic fouling in an anaerobic membrane bioreactor treating waste activated sludge. <i>Bioresource Technology</i> , 2019, 272, 63-69.	9.6	26
8	Direct membrane filtration (DMF) for recovery of organic matter in municipal wastewater using small amounts of chemicals and energy. <i>Chemosphere</i> , 2021, 277, 130244.	8.2	24
9	Tracking inorganic foulants irreversibly accumulated on low-pressure membranes for treating surface water. <i>Water Research</i> , 2015, 87, 218-224.	11.3	17
10	Performance of anaerobic membrane bioreactor during digestion and thickening of aerobic membrane bioreactor excess sludge. <i>Bioresource Technology</i> , 2016, 218, 476-479.	9.6	17
11	Determination of Cadmium in Brown Rice Samples by Fluorescence Spectroscopy Using a Fluoroionophore after Purification of Cadmium by Anion Exchange Resin. <i>Sensors</i> , 2017, 17, 2291.	3.8	16
12	In-situ biogas upgrading with H ₂ addition in an anaerobic membrane bioreactor (AnMBR) digesting waste activated sludge. <i>Science of the Total Environment</i> , 2022, 828, 154573.	8.0	13
13	BODIPY-Based Ratiometric Fluoroionophores with Bidirectional Spectral Shifts for the Selective Recognition of Heavy Metal Ions. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 37-44.	3.2	11
14	Substituent Effects at the 5-Position of 3-[Bis(pyridine-2-ylmethyl)amino]-BODIPY Cation Sensor Used for Ratiometric Quantification of Cu ²⁺ . <i>Bulletin of the Chemical Society of Japan</i> , 2015, 88, 447-454.	3.2	11
15	Application of fluorescence spectroscopy using a novel fluoroionophore for quantification of zinc in urban runoff. <i>Water Research</i> , 2014, 54, 12-20.	11.3	8
16	Application of Graphene Oxide for Adsorption Removal of Geosmin and 2-Methylisoborneol in the Presence of Natural Organic Matter. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 1907.	2.6	8
17	Interactions of dissolved humic substances with oppositely charged fluorescent dyes for tracer techniques. <i>Water Research</i> , 2015, 85, 193-198.	11.3	7
18	Anaerobic digestibility of up-concentrated organic matter obtained from direct membrane filtration of municipal wastewater. <i>Biochemical Engineering Journal</i> , 2020, 161, 107692.	3.6	7

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19	Efficient direct membrane filtration (DMF) of municipal wastewater for carbon recovery: Application of a simple pretreatment and selection of an appropriate membrane pore size. <i>Water Research</i> , 2022, 221, 118810.	11.3	6
20	Phosphorus compounds in the dissolved and particulate phases in urban rivers and a downstream eutrophic lake as analyzed using ^{31}P NMR. <i>Environmental Pollution</i> , 2021, 288, 117732.	7.5	5
21	Isolation of LC-OCD-quantified biopolymers from surface water: Significant differences between real biopolymers and model biopolymers. <i>Journal of Membrane Science</i> , 2022, 658, 120714.	8.2	5
22	3-[Bis(pyridin-2-ylmethyl)amino]-5-(4-carboxyphenyl)-BODIPY as Ratiometric Fluorescent Sensor for Cu^{2+} . <i>Materials</i> , 2018, 11, 814.	2.9	4
23	Phosphorus Recovery by Adsorption from the Membrane Permeate of an Anaerobic Membrane Bioreactor Digesting Waste-Activated Sludge. <i>Membranes</i> , 2022, 12, 99.	3.0	1
24	Determination of Zn^{2+} in industrial wastewater by fluorescence spectroscopy with fluoroionophore. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2013, 69, III_275-III_280.	0.1	0
25	CHANGES IN GEL LAYER FORMED ON FLAT-SHEET CERAMIC MEMBRANES USED IN AN MBR: IMPACTS OF WATER TEMPERATURE. <i>Journal of Japan Society of Civil Engineers Ser G (Environmental Research)</i> , 2020, 76, III_157-III_163.	0.1	0