

Tae-Mun Hwang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Model Predictive Control Strategy for the Degradation of Pharmaceutically Active Compounds by UV/H ₂ O ₂ Oxidation Process. <i>Water (Switzerland)</i> , 2022, 14, 385.	1.2	0
2	Comparison of Pretreatment Methods for Salinity Gradient Power Generation Using Reverse Electrodialysis (RED) Systems. <i>Membranes</i> , 2022, 12, 372.	1.4	8
3	Comparison of spatial interpolation methods for distribution map an unmanned surface vehicle data for chlorophyll-a monitoring in the stream. <i>Environmental Technology and Innovation</i> , 2022, 28, 102637.	3.0	9
4	Comparative evaluation of 2-isopropyl-3-methoxypyrazine, 2-isobutyl-3-methoxypyrazine, and 2,4,6-trichloroanisole degradation by ultraviolet/chlorine and ultraviolet/hydrogen peroxide processes. <i>Chemosphere</i> , 2021, 279, 130513.	4.2	7
5	Evaluation of Portable Rhodamine B Analyzer for Monitoring OH Radical Scavenging Demand in Ultraviolet Advanced Oxidation Processes. <i>Sustainability</i> , 2021, 13, 13279.	1.6	0
6	Drought Vulnerability Assessment and Cluster Analysis of Island Areas Taking Korean Island Areas at Eup (Town) and Myeon (Subcounty) Levels as Study Targets. <i>Water (Switzerland)</i> , 2021, 13, 3657.	1.2	2
7	Hydroxyl radical scavenging factor measurement using a fluorescence excitation-emission matrix and parallel factor analysis in ultraviolet advanced oxidation processes. <i>Chemosphere</i> , 2020, 259, 127396.	4.2	18
8	CFD modelling of cyclonic-DAF (dissolved air flotation) reactor for algae removal. <i>Engineering Science and Technology, an International Journal</i> , 2019, 22, 477-481.	2.0	4
9	The Impact of Natural Variation of OH Radical Demand of Drinking Water Sources on the Optimum Operation of the UV/H ₂ O ₂ Process. <i>Environmental Science & Technology</i> , 2019, 53, 3177-3186.	4.6	18
10	Degradation of residual pharmaceuticals in water by UV/H ₂ O ₂ advanced oxidation process. <i>Journal of the Korean Society of Water and Wastewater</i> , 2019, 33, 469-480.	0.3	4
11	Comparative evaluation of osmotically-driven cleaning methods for organic-inorganic fouling in pressure retarded osmosis (PRO). <i>Engineering Science and Technology, an International Journal</i> , 2018, 21, 1018-1023.	2.0	1
12	Removal of sulfamethoxazole, ibuprofen and nitrobenzene by UV and UV/chlorine processes: A comparative evaluation of 275 nm LED-UV and 254 nm LP-UV. <i>Science of the Total Environment</i> , 2018, 637-638, 1351-1357.	3.9	46
13	Economic evaluation of the reverse osmosis and pressure retarded osmosis hybrid desalination process. <i>Desalination and Water Treatment</i> , 2016, 57, 26680-26691.	1.0	13
14	Theoretical and experimental investigation of boron rejection by forward osmosis membrane. <i>Desalination and Water Treatment</i> , 2016, 57, 24615-24625.	1.0	2
15	Organic fouling and osmotic backwashing in PRO. <i>Desalination and Water Treatment</i> , 2016, 57, 10086-10092.	1.0	3
16	Optimization of wastewater reclamation and reuse system using membrane filtration and oxidation processes: removal of pharmaceuticals. <i>Desalination and Water Treatment</i> , 2016, 57, 10146-10151.	1.0	7
17	Fouling study on vacuum-enhanced direct contact membrane distillation for seawater desalination. <i>Desalination and Water Treatment</i> , 2016, 57, 10042-10051.	1.0	4
18	Comparative evaluation of ibuprofen removal by UV/H ₂ O ₂ and UV/S ₂ O ₈ ²⁻ processes for wastewater treatment. <i>Chemical Engineering Journal</i> , 2015, 269, 379-390.	6.6	152

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19	Effect of operating parameters on temperature and concentration polarization in vacuum membrane distillation process. <i>Desalination and Water Treatment</i> , 2015, 54, 871-880.	1.0	14
20	Theoretical analysis of different membrane distillation modules. <i>Desalination and Water Treatment</i> , 2015, 54, 862-870.	1.0	11
21	Prediction of the removal efficiency of pharmaceuticals by a rapid spectrophotometric method using Rhodamine B in the UV/H ₂ O ₂ process. <i>Chemical Engineering Journal</i> , 2014, 236, 438-447.	6.6	19
22	Application of ultrasound to mitigate calcium sulfate scaling and colloidal fouling. <i>Desalination</i> , 2014, 336, 153-159.	4.0	39
23	Experimental comparison of direct contact membrane distillation (DCMD) with vacuum membrane distillation (VMD). <i>Desalination and Water Treatment</i> , 2013, 51, 6299-6309.	1.0	27
24	Occurrence of disinfectant by-products during the sequential disinfection process. <i>Desalination and Water Treatment</i> , 2013, 51, 6281-6287.	1.0	5
25	Analysis on the Natural Organic Matter and Disinfection By-Products in Full-scale Advanced Water Treatment Plant and Conventional Water Treatment Plant. <i>Desalination and Water Treatment</i> , 2013, 51, 6288-6298.	1.0	4
26	Continuous determination of hydrogen peroxide formed in advanced oxidation and electrochemical processes. <i>Desalination and Water Treatment</i> , 2012, 43, 267-273.	1.0	5
27	Development of a statistical and mathematical hybrid model to predict membrane fouling and performance. <i>Desalination</i> , 2009, 247, 210-221.	4.0	24
28	Effects of feed solution pretreatment on pressure-retarded osmosis: changes in dissolved organic matter according to fluorescence excitation-emission matrix spectroscopy coupled with parallel factor analysis and liquid chromatography-organic carbon detection. , 0, 159, 130-140.		3