Seo Jin Ki

List of Publications by Year
in descending order

48 papers	920 citations	430442 18 h-index	476904 29 g-index
48 all docs	48 docs citations	48 times ranked	1074 citing authors

#	Article	IF	Citations
1	Linking land-use type and stream water quality using spatial data of fecal indicator bacteria and heavy metals in the Yeongsan river basin. Water Research, 2010, 44, 4143-4157.	5.3	143
2	Pesticide sorption and leaching potential on three Hawaiian soils. Journal of Environmental Management, 2015, 159, 227-234.	3.8	62
3	A Review of Neural Networks for Air Temperature Forecasting. Water (Switzerland), 2021, 13, 1294.	1.2	56
4	Facile preparation of tungsten oxide doped TiO2 photocatalysts using liquid phase plasma process for enhanced degradation of diethyl phthalate. Chemical Engineering Journal, 2019, 377, 120087.	6.6	45
5	Determination of the optimal parameters in regression models for the prediction of chlorophyll-a: A case study of the Yeongsan Reservoir, Korea. Science of the Total Environment, 2009, 407, 2536-2545.	3.9	42
6	Characteristics of wet and dry weather heavy metal discharges in the Yeongsan Watershed, Korea. Science of the Total Environment, 2009, 407, 3482-3493.	3.9	41
7	Improving removal of 4-chlorophenol using a TiO2 photocatalytic system with microwave and ultraviolet radiation. Catalysis Today, 2017, 293-294, 15-22.	2.2	41
8	New methodology of evaluation of best management practices performances for an agricultural watershed according to the climate change scenarios: A hybrid use of deterministic and decision support models. Ecological Engineering, 2018, 119, 73-83.	1.6	38
9	Advancing assessment and design of stormwater monitoring programs using a self-organizing map: Characterization of trace metal concentration profiles in stormwater runoff. Water Research, 2011, 45, 4183-4197.	5.3	37
10	Synthesis of manganese oxide/activated carbon composites for supercapacitor application using a liquid phase plasma reduction system. International Journal of Hydrogen Energy, 2015, 40, 754-759.	3.8	35
11	Photocatalytic reactions of 2,4-dichlorophenoxyacetic acid using a microwave-assisted photocatalysis system. Chemical Engineering Journal, 2015, 278, 259-264.	6.6	35
12	A systematic optimization of Internally Staged Design (ISD) for a full-scale reverse osmosis process. Journal of Membrane Science, 2017, 540, 285-296.	4.1	31
13	Social vulnerability at a local level around the Merapi volcano. International Journal of Disaster Risk Reduction, 2016, 20, 63-77.	1.8	29
14	Factors dominating stratification cycle and seasonal water quality variation in a Korean estuarine reservoir. Journal of Environmental Monitoring, 2010, 12, 1072.	2.1	25
15	Assessing the electrochemical performance of a supercapacitor electrode made of copper oxide and activated carbon using liquid phase plasma. Applied Surface Science, 2018, 446, 243-249.	3.1	21
16	Using fuzzy logic analysis for siting decisions of infiltration trenches for highway runoff control. Science of the Total Environment, 2014, 493, 44-53.	3.9	20
17	Numerical simulation of separation process for enhancing fine particle removal in tertiary sedimentation tank mounting adjustable baffle. Chemical Engineering Science, 2017, 158, 21-29.	1.9	20
18	Liquid Phase Plasma Synthesis of Iron Oxide Nanoparticles on Nitrogen-Doped Activated Carbon Resulting in Nanocomposite for Supercapacitor Applications. Nanomaterials, 2018, 8, 190.	1.9	19

#	ARTICLE	IF	CITATIONS
19	Spatial and temporal pollutant budget analyses toward the total maximum daily loads management for the Yeongsan watershed in Korea. Water Science and Technology, 2007, 55, 367-374.	1.2	18
20	Interpretation of seasonal water quality variation in the Yeongsan Reservoir, Korea using multivariate statistical analyses. Water Science and Technology, 2009, 59, 2219-2226.	1.2	16
21	A GIS-assisted regional screening tool to evaluate the leaching potential of volatile and non-volatile pesticides. Journal of Hydrology, 2015, 522, 163-173.	2.3	15
22	Solar and Tidal Modulations of Fecal Indicator Bacteria in Coastal Waters at Huntington Beach, California. Environmental Management, 2007, 39, 867-875.	1.2	12
23	Effect of environmental flow management on river water quality: a case study at Yeongsan River, Korea. Water Science and Technology, 2009, 59, 2437-2446.	1.2	11
24	Evaluation of pollutants removal efficiency to achieve successful urban river restoration. Water Science and Technology, 2009, 59, 2101-2109.	1.2	11
25	Assembling a supercapacitor electrode with dual metal oxides and activated carbon using a liquid phase plasma. Journal of Environmental Management, 2017, 203, 880-887.	3.8	10
26	Prediction of three-dimensional shift in the distribution of largemouth bass (Micropterus salmoides) under climate change in South Korea. Ecological Indicators, 2022, 137, 108731.	2.6	10
27	Factors affecting metal exchange between sediment and water in an estuarine reservoir: A spatial and seasonal observation. Journal of Environmental Monitoring, 2009, 11, 2058.	2.1	9
28	Applying a statewide geospatial leaching tool forÂassessing soil vulnerability ratings forÂagrochemicals across the contiguous UnitedÂStates. Water Research, 2015, 77, 107-118.	5.3	9
29	Assessing the Performance of Deep Learning Algorithms for Short-Term Surface Water Quality Prediction. Sustainability, 2021, 13, 10690.	1.6	9
30	Mass Load-Based Pollution Management of the Han River and Its Tributaries, Korea. Environmental Management, 2008, 41, 12-19.	1.2	6
31	OpenMP-accelerated SWAT simulation using Intel C and FORTRAN compilers: Development and benchmark. Computers and Geosciences, 2015, 75, 66-72.	2.0	5
32	Big data analysis of hollow fiber direct contact membrane distillation (HFDCMD) for simulation-based empirical analysis. Desalination, 2015, 355, 56-67.	4.0	5
33	Estimation of Turbulent Heat Fluxes and Gross Primary Productivity by Assimilating Land Surface Temperature and Leaf Area Index. Water Resources Research, 0, , .	1.7	5
34	Modeling seawater reverse osmosis system under degradation conditions of membrane performance: assessment of isobaric energy recovery devices and feed pressure control benefits. Desalination and Water Treatment, 2016, 57, 20210-20218.	1.0	4
35	Evaluation of Classification Algorithms to Predict Largemouth Bass (Micropterus salmoides) Occurrence. Sustainability, 2021, 13, 9507.	1.6	4
36	Statistical assessment for spatio-temporal water quality in Angkor, Cambodia. Water Science and Technology, 2009, 59, 2167-2178.	1.2	3

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37	Developing alternative regression models for describing water quality using a self-organizing map. Desalination and Water Treatment, 2016, 57, 20146-20158.	1.0	3
38	Rapid decomposition of chloroform by a liquid phase plasma reaction with titanium dioxide and hydrogen peroxide. Catalysis Today, 2020, 352, 54-59.	2.2	3
39	Research perspective of membrane distillation: multi-scale and multi-physics phenomena. , 0, 58, 351-359.		3
40	Assessing the efficiency of aggregate low impact development (LID) at a small urbanized sub-catchment under different storm scenarios. , 0, 86, 1-8.		2
41	Review of Soil Vulnerability Assessment Tools in Korea and other developed countries. Daehan Hwan'gyeong Gonghag Hoeji, 2017, 39, 741-749.	0.4	2
42	An analytical model for non-conservative pollutants mixing in the surf zone. Water Science and Technology, 2009, 59, 2117-2124.	1.2	1
43	Influence of spatial resolution of radar images on the parameterization and performance of SWAT model. Desalination and Water Treatment, 2016, , 1-9.	1.0	1
44	Effect of constituent processes and conditions of the hybrid TiO2 photocatalytic system on 1,4-dichlorobenzene degradation. Catalysis Today, 2020, 348, 270-276.	2.2	1
45	Addressing water pollution hotspots in the tributary monitoring network using a non-linear data analysis tool. , 0, 77, 156-162.		1
46	Comparison of classification and supervised learning algorithms in assessing the hydraulic conditions of sewer collection systems: A case study of local sewer networks in Jinju City, Korea. , 0, 124, 202-210.		1
47	Developing statistical models for estimating $chlorophyll$-a and total suspended solid levels at an estuarine reservoir with nutrient inputs from satellite observations. Desalination and Water Treatment, 0, , 1-14.	1.0	0
48	Statistical approach to developing screening models for pipe failure events in water network systems. , 0, 120, 190-197.		0