Jeryang Park

List of Publications by Year
in descending order

36 papers	1,163 citations	567144 15 h-index	377752 34 g-index
41 all docs	41 docs citations	41 times ranked	1547 citing authors

#	Article	IF	Citations
1	Integrating Risk and Resilience Approaches to Catastrophe Management in Engineering Systems. Risk Analysis, 2013, 33, 356-367.	1.5	417
2	Lessons in risk–versus resilience–based design and management. Integrated Environmental Assessment and Management, 2011, 7, 396-399.	1.6	81
3	Network topology and resilience analysis of South Korean power grid. Physica A: Statistical Mechanics and Its Applications, 2017, 465, 13-24.	1.2	79
4	Landscape filtering of hydrologic and biogeochemical responses in managed catchments. Landscape Ecology, 2013, 28, 651-664.	1.9	65
5	Fabrication of degradable carboxymethyl cellulose (CMC) microneedle with laser writing and replica molding process for enhancement of transdermal drug delivery. Biotechnology and Bioprocess Engineering, 2016, 21, 110-118.	1.4	55
6	Determination of Environmental Factors Influencing Methane Oxidation in a Sandy Landfill Cover Soil. Environmental Technology (United Kingdom), 2005, 26, 93-102.	1.2	53
7	Overcoming the Challenges of Water, Waste and Climate Change in Asian Cities. Environmental Management, 2019, 63, 520-535.	1.2	52
8	Transdermal delivery of cosmetic ingredients using dissolving polymer microneedle arrays. Biotechnology and Bioprocess Engineering, 2015, 20, 543-549.	1.4	46
9	Toward General Principles for Resilience Engineering. Risk Analysis, 2020, 40, 1509-1537.	1.5	39
10	Stochastic modeling of hydrologic variability of geographically isolated wetlands: Effects of hydro-climatic forcing and wetland bathymetry. Advances in Water Resources, 2014, 69, 38-48.	1.7	38
11	A resilience perspective on biofuel production. Integrated Environmental Assessment and Management, 2011, 7, 348-359.	1.6	32
12	Assessing Urban Water Management Sustainability of a Megacity: Case Study of Seoul, South Korea. Water (Switzerland), 2018, 10, 682.	1.2	23
13	Sociotechnical Network Analysis for Power Grid Resilience in South Korea. Complexity, 2017, 2017, 1-14.	0.9	22
14	Stochastic modeling of wetland-groundwater systems. Advances in Water Resources, 2018, 112, 214-223.	1.7	20
15	On mechanical properties of NiTi SMA wires prestrained by cold rolling. Smart Materials and Structures, 2020, 29, 065009.	1.8	18
16	Linking Cascading Failure Models and Organizational Networks to Manage Large-Scale Blackouts in South Korea. Journal of Management in Engineering - ASCE, 2020, 36, .	2.6	16
17	Regime shifts under forcing of non-stationary attractors: Conceptual model and case studies in hydrologic systems. Journal of Contaminant Hydrology, 2014, 169, 112-122.	1.6	13
18	Innovation of flux chamber network design for surface methane emission from landfills using spatial interpolation models. Science of the Total Environment, 2019, 688, 18-25.	3.9	13

#	ARTICLE	IF	CITATIONS
19	The economic effect of green roofs on non-point pollutant sources management using the replacement cost approach. KSCE Journal of Civil Engineering, 2016, 20, 3031-3044.	0.9	10
20	Random ecological networks that depend on ephemeral wetland complexes. Ecological Engineering, 2020, 156, 105972.	1.6	10
21	Methane utilization in aerobic methane oxidation coupled to denitrification (AME-D): theoretical estimation and effect of hydraulic retention time (HRT). Biodegradation, 2019, 30, 101-112.	1.5	9
22	Capturing the Signature of Topological Evolution from the Snapshots of Road Networks. Complexity, 2020, 2020, 1-14.	0.9	8
23	$1/f$ noise analyses of urbanization effects on streamflow characteristics. Hydrological Processes, 2016, 30, 1651-1664.	1.1	7
24	A comprehensive index for stream depletion in coupled human-water systems. Journal of Hydro-Environment Research, 2017, 16, 58-70.	1.0	6
25	Temporal trajectories of wet deposition across hydro-climatic regimes: Role of urbanization and regulations at U.S. and East Asia sites. Atmospheric Environment, 2013, 70, 280-288.	1.9	4
26	Radar polygon method: an areal rainfall estimation based on radar rainfall imageries. Stochastic Environmental Research and Risk Assessment, 2017, 31, 275-289.	1.9	4
27	Role of small wetlands on the regime shift of ecological network in a wetlandscape. Environmental Research Communications, 2022, 4, 041006.	0.9	4
28	A river environment index for Korean national rivers: rationale, methods and application. Water Policy, 2014, 16, 481-500.	0.7	3
29	Evaluation of the performance for an artificial deep pool (ADP) as an alternative fish shelter. Ecological Engineering, 2016, 93, 37-45.	1.6	3
30	Field measurement of greenhouse gas emissions from biological treatment facilities of food waste in Republic of Korea. Waste Management and Research, 2019, 37, 452-460.	2.2	3
31	A Graph-Cut-Based Approach to Community Detection in Networks. Applied Sciences (Switzerland), 2022, 12, 6218.	1.3	3
32	Design for resilience in coupled industrial-ecological systems: Biofuels industry as a case study. , 2011, , .		2
33	Enhancing Informed Decisions for Coastal Groundwater Sustainability: A Network Analysis of Water-Related Indicator Results from 122 Cities. Water (Switzerland), 2022, 14, 262.	1.2	2
34	Antifouling effect of water-soluble phosphate glass frit for filtration plants. Folia Microbiologica, 2020, 65, 363-370.	1.1	1
35	The driving force for collaboration networks in environmental engineering in South Korea. Environmental Engineering Research, 2022, 27, 200475-0.	1.5	1
36	Identification of research communities of environmental engineering and their evolution using coauthor network analysis. Environmental Modelling and Software, 2022, 149, 105320.	1.9	1