

# Jeryang Park

## List of Publications by Year in descending order

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Version: 2024-02-01

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	The driving force for collaboration networks in environmental engineering in South Korea. <i>Environmental Engineering Research</i> , 2022, 27, 200475-0.	1.5	1
2	Enhancing Informed Decisions for Coastal Groundwater Sustainability: A Network Analysis of Water-Related Indicator Results from 122 Cities. <i>Water (Switzerland)</i> , 2022, 14, 262.	1.2	2
3	Identification of research communities of environmental engineering and their evolution using coauthor network analysis. <i>Environmental Modelling and Software</i> , 2022, 149, 105320.	1.9	1
4	Role of small wetlands on the regime shift of ecological network in a wetlandscape. <i>Environmental Research Communications</i> , 2022, 4, 041006.	0.9	4
5	A Graph-Cut-Based Approach to Community Detection in Networks. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6218.	1.3	3
6	Antifouling effect of water-soluble phosphate glass frit for filtration plants. <i>Folia Microbiologica</i> , 2020, 65, 363-370.	1.1	1
7	Random ecological networks that depend on ephemeral wetland complexes. <i>Ecological Engineering</i> , 2020, 156, 105972.	1.6	10
8	Toward General Principles for Resilience Engineering. <i>Risk Analysis</i> , 2020, 40, 1509-1537.	1.5	39
9	On mechanical properties of NiTi SMA wires prestrained by cold rolling. <i>Smart Materials and Structures</i> , 2020, 29, 065009.	1.8	18
10	Linking Cascading Failure Models and Organizational Networks to Manage Large-Scale Blackouts in South Korea. <i>Journal of Management in Engineering - ASCE</i> , 2020, 36, .	2.6	16
11	Capturing the Signature of Topological Evolution from the Snapshots of Road Networks. <i>Complexity</i> , 2020, 2020, 1-14.	0.9	8
12	Innovation of flux chamber network design for surface methane emission from landfills using spatial interpolation models. <i>Science of the Total Environment</i> , 2019, 688, 18-25.	3.9	13
13	Overcoming the Challenges of Water, Waste and Climate Change in Asian Cities. <i>Environmental Management</i> , 2019, 63, 520-535.	1.2	52
14	Methane utilization in aerobic methane oxidation coupled to denitrification (AME-D): theoretical estimation and effect of hydraulic retention time (HRT). <i>Biodegradation</i> , 2019, 30, 101-112.	1.5	9
15	Field measurement of greenhouse gas emissions from biological treatment facilities of food waste in Republic of Korea. <i>Waste Management and Research</i> , 2019, 37, 452-460.	2.2	3
16	Stochastic modeling of wetland-groundwater systems. <i>Advances in Water Resources</i> , 2018, 112, 214-223.	1.7	20
17	Assessing Urban Water Management Sustainability of a Megacity: Case Study of Seoul, South Korea. <i>Water (Switzerland)</i> , 2018, 10, 682.	1.2	23
18	Radar polygon method: an areal rainfall estimation based on radar rainfall imageries. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 275-289.	1.9	4

#	ARTICLE	IF	CITATIONS
19	A comprehensive index for stream depletion in coupled human-water systems. Journal of Hydro-Environment Research, 2017, 16, 58-70.	1.0	6
20	Network topology and resilience analysis of South Korean power grid. Physica A: Statistical Mechanics and Its Applications, 2017, 465, 13-24.	1.2	79
21	Sociotechnical Network Analysis for Power Grid Resilience in South Korea. Complexity, 2017, 2017, 1-14.	0.9	22
22	1/f noise analyses of urbanization effects on streamflow characteristics. Hydrological Processes, 2016, 30, 1651-1664.	1.1	7
23	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
24	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
25	Evaluation of the performance for an artificial deep pool (ADP) as an alternative fish shelter. Ecological Engineering, 2016, 93, 37-45.	1.6	3
26	Transdermal delivery of cosmetic ingredients using dissolving polymer microneedle arrays. Biotechnology and Bioprocess Engineering, 2015, 20, 543-549.	1.4	46
27	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
28	A river environment index for Korean national rivers: rationale, methods and application. Water Policy, 2014, 16, 481-500.	0.7	3
29	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
30	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
31	Integrating Risk and Resilience Approaches to Catastrophe Management in Engineering Systems. Risk Analysis, 2013, 33, 356-367.	1.5	417
32	Landscape filtering of hydrologic and biogeochemical responses in managed catchments. Landscape Ecology, 2013, 28, 651-664.	1.9	65
33	A resilience perspective on biofuel production. Integrated Environmental Assessment and Management, 2011, 7, 348-359.	1.6	32
34	Lessons in risk versus resilience based design and management. Integrated Environmental Assessment and Management, 2011, 7, 396-399.	1.6	81
35	Design for resilience in coupled industrial-ecological systems: Biofuels industry as a case study. , 2011, , ,		2
36	Determination of Environmental Factors Influencing Methane Oxidation in a Sandy Landfill Cover Soil. Environmental Technology (United Kingdom), 2005, 26, 93-102.	1.2	53