

Juneseok Lee

List of Publications by Year in descending order

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Version: 2024-02-01

78
papers

954
citations

516710

16
h-index

501196

28
g-index

81
all docs

81
docs citations

81
times ranked

864
citing authors

#	ARTICLE	IF	CITATIONS
1	The human cost of global warming: Deadly landslides and their triggers (1995â€“2014). <i>Science of the Total Environment</i> , 2019, 682, 673-684.	8.0	231
2	Wildfire caused widespread drinking water distribution network contamination. <i>AWWA Water Science</i> , 2020, 2, e1183.	2.1	53
3	Assessing the Performance of a California Water Utility Using Two-Stage Data Envelopment Analysis. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2018, 144, .	2.6	40
4	The Value of Rain: Benefit-Cost Analysis of Rainwater Harvesting Systems. <i>Water Resources Management</i> , 2016, 30, 4415-4428.	3.9	32
5	Water and Wastewater Systems and Utilities: Challenges and Opportunities during the COVID-19 Pandemic. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	2.6	31
6	Uncertainty analysis for extreme flood events in a semi-arid region. <i>Natural Hazards</i> , 2015, 78, 1947-1960.	3.4	28
7	Hydraulic transients in plumbing systems. <i>Water Science and Technology: Water Supply</i> , 2012, 12, 619-629.	2.1	27
8	Uncertainty Estimation in Flood Inundation Mapping: An Application of Nonâ€parametric Bootstrapping. <i>River Research and Applications</i> , 2017, 33, 611-619.	1.7	27
9	Knowledge gaps and risks associated with premise plumbing drinking water quality. <i>AWWA Water Science</i> , 2020, 2, e1177.	2.1	26
10	A New Model for Industry-University Partnerships. <i>Journal - American Water Works Association</i> , 2015, 107, 84-90.	0.3	24
11	Measuring water utility performance using nonparametric linear programming. <i>Civil Engineering and Environmental Systems</i> , 2017, 34, 206-220.	0.9	24
12	Determinants of non-revenue water for a water utility in California. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2018, 67, 270-278.	1.4	23
13	Homeowners' decisionâ€making in a premise plumbing failureâ€prone area. <i>Journal - American Water Works Association</i> , 2013, 105, E236.	0.3	21
14	How do people make a decision on bottled or tap water? Preference elicitation with nonparametric bootstrap simulations. <i>Water and Environment Journal</i> , 2016, 30, 243-252.	2.2	21
15	Decision tool for optimal replacement of plumbing systems. <i>Civil Engineering and Environmental Systems</i> , 2005, 22, 189-204.	0.9	18
16	Is Rainwater Harvesting Worthwhile? A Benefitâ€Cost Analysis. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2021, 147, .	2.6	17
17	Water safety attitudes, risk perception, experiences, and education for households impacted by the 2018 Camp Fire, California. <i>Natural Hazards</i> , 2021, 108, 947-975.	3.4	17
18	Price elasticity of residential water demand in California. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2015, 64, 211-218.	1.4	16

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19	Decadal review of residential water demand analysis from a practical perspective. <i>Water Practice and Technology</i> , 2016, 11, 433-447.	2.0	16
20	Case Study: Preference Trade-Offs toward Home Plumbing Attributes and Materials. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2009, 135, 237-243.	2.6	15
21	Impacts of Metering on Residential Water Use in California. <i>Journal - American Water Works Association</i> , 2015, 107, E69.	0.3	15
22	Hot Spot Analysis of Water Main Failures in California. <i>Journal - American Water Works Association</i> , 2018, 110, E39.	0.3	15
23	Copper Pinhole Failures: Plumbing Susceptibility and Management. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2009, 135, 227-236.	2.6	14
24	Effects of the COVID-19 Pandemic on Water Utility Operations and Vulnerability. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2022, 148, .	2.6	14
25	Catalyzing Frontiers in Water-Climate-Society Research: A View from Early Career Scientists and Junior Faculty. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 477-484.	3.3	12
26	Pressure-Based Analysis of Water Main Failures in California. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	2.6	12
27	New developments in premise plumbing: Integrative hydraulic and water quality modeling. <i>AWWA Water Science</i> , 2022, 4, .	2.1	12
28	Twenty-first century urban water management: the imperative for holistic and cross-disciplinary approach. <i>Journal of Environmental Studies and Sciences</i> , 2019, 9, 90-95.	2.0	11
29	Conceptual framework for decentralized green waterâ€”infrastructure systems. <i>Water and Environment Journal</i> , 2018, 32, 112-117.	2.2	10
30	Sustainability Strategies at the Waterâ€”Energy Nexus: Renewable Energy and Decentralized Infrastructure. <i>Journal - American Water Works Association</i> , 2018, 110, 32-39.	0.3	9
31	Spatiotemporal and deterioration assessment of water main failures. <i>AWWA Water Science</i> , 2019, 1, e1159.	2.1	9
32	Historical Review of U.S. Residential Water Demand. , 2012, , .		8
33	Residential water demand analysis of a Lowâ€”Income Rate Assistance Program in California, United States. <i>Water and Environment Journal</i> , 2016, 30, 49-61.	2.2	8
34	Survival Analysis of US Water Service Lines Utilizing a Nationwide Failure Data Set. <i>Journal - American Water Works Association</i> , 2017, 109, 13-21.	0.3	8
35	Utilizing spatiotemporal based business risk exposure to analyze cast iron water main failures in California. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2019, 68, 111-120.	1.4	8
36	Drinking Water Pipeline Failure Analysis Based on Spatiotemporal Clustering and Poisson Regression. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2021, 12, 05020006.	1.6	7

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37	Introducing sustainability concepts in lower division engineering core courses. , 2011, , .		6
38	A holistic decision-making framework for selecting domestic piping materials. Journal of Water Supply: Research and Technology - AQUA, 2015, 64, 326-332.	1.4	6
39	A Spatio-Temporal Water Mains Integrity Management Program for California. , 2017, , .		6
40	Optimizing pump operations in water distribution systems: energy cost, greenhouse gas emissions and water quality. Water and Environment Journal, 2020, 34, 841-848.	2.2	6
41	Embracing Analytics in the Water Industry. Journal of Water Resources Planning and Management - ASCE, 2021, 147, .	2.6	6
42	Application of a rainfall-runoff model for regional-scale flood inundation mapping for the Langat River Basin. Water Practice and Technology, 2016, 11, 373-383.	2.0	5
43	Development of a risk-based tool for groundwater well rehabilitation and replacement decisions. Journal of Water Supply: Research and Technology - AQUA, 2019, 68, 411-419.	1.4	5
44	Fire & Water. Civil Engineering, 2021, 91, 42-47.	0.1	4
45	Desalination: Concept and System Components. , 2020, , 3-27.		4
46	Development of a Water Infrastructure Performance Index for the USA. , 2019, , .		3
47	Spatiotemporal and Machine Learning-Based Time Series Assessment of Drinking Water Quality Complaints in New York City. , 2021, , .		3
48	Introduction to the Special Issue "Socio-Hydrology: The New Paradigm in Resilient Water Management" Hydrology, 2021, 8, 138.	3.0	3
49	Hourly water demand forecasting for micro water grids. Journal of Water Supply: Research and Technology - AQUA, 0, , jws2015144.	1.4	2
50	Consumer Concerns and Preference-Tradeoffs in Home Plumbing Systems. , 2008, , .		1
51	Case Study: Homeowner's Preference Trade-Offs towards Plumbing Systems in Pipe Failure Prone Area. , 2009, , .		1
52	Low Pressure Propagation at Service Lines. , 2009, , .		1
53	Application of EIO-LCA and LCIA to Premise Plumbing Materials. , 2012, , .		1
54	Performance Assessment of a Water Utility in California. , 2016, , .		1

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55	Performance Assessment of a California Water Utility by Data Envelopment Analysis. , 2017, , .		1
56	Robust and Transparent Method to Measure Water Infrastructure Performance in the United States. Journal of Water Resources Planning and Management - ASCE, 2021, 147, 06020015.	2.6	1
57	Increasing Fatal Landslides in Europe. , 2017, , 505-512.		1
58	Integrating Renewable Energy in Water Infrastructure: Global Trends and Future Outlook. , 2022, , 213-223.		1
59	Decentralized Green Water-Infrastructure Systems: Resilient and Sustainable Management Strategies for Building Water Systems. Springer Water, 2022, , 1-20.	0.3	1
60	Energy and Water Quality Management in Water Distribution Networks Considering Variable Speed Pump and Tank Flush Scheduling. , 2022, , .		1
61	Calibration and uncertainty analysis of hydraulic models. , 2022, , 159-186.		1
62	Preference Trade-Offs in Choosing Domestic Plumbing Materials. , 2006, , 1.		0
63	Summary and Reflections on the Professional Career of G. V. Loganathan. Journal of Water Resources Planning and Management - ASCE, 2009, 135, 209-214.	2.6	0
64	Experimental Study of the Drinking Water Service Lines with Leaks. , 2011, , .		0
65	Residential Water Demand Analysis Due to Water Meter Installation in California. , 2013, , .		0
66	Price Elasticity Under Rate Structure Change and Low-Income Discounts in California. , 2013, , .		0
67	A New Water Mains Integrity Management Program for California. , 2016, , .		0
68	Effective well management using the J100 framework and methodology. AWWA Water Science, 2021, 3, e1254.	2.1	0
69	Analyzing Copper Plumbing Pipe Failures. , 2005, , .		0
70	Drinking Water Distribution: Emerging Issues in Minor Water Systems. Handbook of Environmental Chemistry, 2014, , 95-123.	0.4	0
71	Micro-Hydropower: Concept, System Design, and Innovations. , 2022, , 61-92.		0
72	Water utility performance measurements using data envelopment analysis. , 2022, , 409-416.		0

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73	Water demand forecasting time series data. , 2022, , 75-122.		0
74	Water quality modeling and analysis. , 2022, , 135-158.		0
75	Non-revenue water, what are their determinants?. , 2022, , 399-408.		0
76	Optimal pump operation. , 2022, , 187-214.		0
77	Decision Analysis. , 2022, , 381-398.		0
78	Hydraulic transients in pipe systems. , 2022, , 215-236.		0