

Gyan Chhipi-Shrestha

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

927
citations

471509

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477307

29
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42
all docs

42
docs citations

42
times ranked

899
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable strategies analysis based on the utility of Z-number in the evolutionary games. Applied Mathematics and Computation, 2018, 324, 202-217.	2.2	111
2	Environmental assessment under uncertainty using Dempsterâ€™Shafer theory and Z-numbers. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2041-2060.	4.9	105
3	Sustainability assessment framework for small-sized urban neighbourhoods: An application of fuzzy synthetic evaluation. Sustainable Cities and Society, 2018, 36, 21-32.	10.4	70
4	Enhancing urban flood resilience: A holistic framework incorporating historic worst flood to Yangtze River Delta, China. International Journal of Disaster Risk Reduction, 2021, 61, 102355.	3.9	49
5	Microbial quality of reclaimed water for urban reuses: Probabilistic risk-based investigation and recommendations. Science of the Total Environment, 2017, 576, 738-751.	8.0	46
6	Selection of sustainable municipal water reuse applications by multi-stakeholders using game theory. Science of the Total Environment, 2019, 650, 2512-2526.	8.0	43
7	Spatial and Temporal Variation of Drought Based on Satellite Derived Vegetation Condition Index in Nepal from 1982â€™2015. Sensors, 2019, 19, 430.	3.8	39
8	Fit-for-purpose wastewater treatment: Conceptualization to development of decision support tool (I). Science of the Total Environment, 2017, 607-608, 600-612.	8.0	37
9	Impacts of neighborhood densification on water-energy-carbon nexus: Investigating water distribution and residential landscaping system. Journal of Cleaner Production, 2017, 156, 786-795.	9.3	36
10	Sustainability assessment framework for low rise commercial buildings: life cycle impact index-based approach. Clean Technologies and Environmental Policy, 2016, 18, 2579-2590.	4.1	33
11	Selecting Sustainability Indicators for Small to Medium Sized Urban Water Systems Using Fuzzyâ€™ELECTRE. Water Environment Research, 2017, 89, 238-249.	2.7	26
12	Prospects of integrating carbon capturing into community scale energy systems. Renewable and Sustainable Energy Reviews, 2020, 133, 110193.	16.4	26
13	Carbon capturing for emissions reduction at building level: A market assessment from a building management perspective. Journal of Cleaner Production, 2021, 294, 126323.	9.3	26
14	Unregulated disinfection By-products in drinking water in Quebec: A meta analysis. Journal of Environmental Management, 2018, 223, 984-1000.	7.8	23
15	Fit-for-purpose wastewater treatment: Testing to implementation of decision support tool (II). Science of the Total Environment, 2017, 607-608, 403-412.	8.0	22
16	Development of a predictive model for Clostridium difficile infection incidence in hospitals using Gaussian mixture model and Dempsterâ€™Shafer theory. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1743-1758.	4.0	20
17	Evaluating water reuse applications under uncertainty: generalized intuitionistic fuzzy-based approach. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1099-1111.	4.0	20
18	Decision making for risk management: A multi-criteria perspective. Methods in Chemical Process Safety, 2020, 4, 239-287.	1.0	18

#	ARTICLE	IF	CITATIONS
19	Life Cycle Thinking-Based Selection of Building Facades. <i>Journal of Architectural Engineering</i> , 2018, 24, .	1.6	16
20	Predicting unregulated disinfection by-products in small water distribution networks: an empirical modelling framework. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 497.	2.7	16
21	Characterizing hydraulic fracturing fluid greenness: application of a hazard-based index approach. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 647-668.	4.1	13
22	Optimizing residential density based on water-energy-carbon nexus using UUtiliÃ©s Additives (UTA) method. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 855-870.	4.1	13
23	Transforming road freight transportation from fossils to hydrogen: Opportunities and challenges. <i>International Journal of Sustainable Transportation</i> , 2023, 17, 552-572.	4.1	12
24	Sustainable, resilient, and reliable urban water systems: making the case for a "one water" approach. <i>Environmental Reviews</i> , 2022, 30, 10-29.	4.5	11
25	Economic and Energy Efficiency of Net-Zero Water Communities: System Dynamics Analysis. <i>Journal of Sustainable Water in the Built Environment</i> , 2018, 4, .	1.6	10
26	Framework for Developing a Low-Carbon Energy Demand in Residential Buildings Using Community-Government Partnership: An Application in Saudi Arabia. <i>Energies</i> , 2021, 14, 4954.	3.1	10
27	Enhanced real-time scheduling algorithm for energy management in a renewable-integrated microgrid. <i>Applied Energy</i> , 2021, 304, 117658.	10.1	10
28	Probabilistic framework for assessing ecological risk of Contaminants of Emerging Concern: Application to a Canadian lake system. <i>Chemosphere</i> , 2022, 287, 131910.	8.2	9
29	Clostridium difficile infection incidence prediction in hospitals (CDIIPH): a predictive model based on decision tree and fuzzy techniques. <i>Stochastic Environmental Research and Risk Assessment</i> , 2017, 31, 417-430.	4.0	7
30	A new weighting factor in combining belief function. <i>PLoS ONE</i> , 2017, 12, e0177695.	2.5	7
31	Framework for cost-effective prediction of unregulated disinfection by-products in drinking water distribution using differential free chlorine. <i>Environmental Science: Water Research and Technology</i> , 2018, 4, 1564-1576.	2.4	7
32	Investigating the public health risks of low impact developments at residential, neighbourhood, and municipal levels. <i>Science of the Total Environment</i> , 2020, 744, 140778.	8.0	7
33	Energy Performance Assessment Framework for Residential Buildings in Saudi Arabia. <i>Sustainability</i> , 2021, 13, 2232.	3.2	7
34	An integrated risk assessment and prediction framework for fire ignition sources in smart-green multi-unit residential buildings. <i>International Journal of Systems Assurance Engineering and Management</i> , 2021, 12, 1262-1295.	2.4	4
35	Carbon Capture Systems for Building-Level Heating Systems-A Socio-Economic and Environmental Evaluation. <i>Sustainability</i> , 2021, 13, 10681.	3.2	4
36	Modeling hydraulics and water quality in distribution networks: a review of existing mathematical techniques and software. , 2021, , 187-212.		3

#	ARTICLE	IF	CITATIONS
37	Investigating unregulated disinfection byproduct reduction efficiencies in drinking waters using zirconium oxychloride, a novel coagulant. <i>Journal of Water Process Engineering</i> , 2020, 37, 101496.	5.6	2
38	Investigating Spatiotemporal Variability of Water, Energy, and Carbon Flows: A Probabilistic Fuzzy Synthetic Evaluation Framework for Higher Education Institutions. <i>Environments - MDPI</i> , 2021, 8, 72.	3.3	2
39	Developing an Integrated "Regression-QMRA method" to Predict Public Health Risks of Low Impact Developments (LIDs) for Improved Planning. <i>Environmental Management</i> , 2022, , 1.	2.7	2
40	Vegetation Dynamics, Land Use and Ecological Risk in Response to NDVI and Climate Change in Nepal. , 2022, , 160-178.		1