

# Gyan Chhipi-Shrestha

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

927  
citations

471509

17  
h-index

477307

29  
g-index

42  
all docs

42  
docs citations

42  
times ranked

899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transforming road freight transportation from fossils to hydrogen: Opportunities and challenges. International Journal of Sustainable Transportation, 2023, 17, 552-572.	4.1	12
2	Sustainable, resilient, and reliable urban water systems: making the case for a "one water" approach. Environmental Reviews, 2022, 30, 10-29.	4.5	11
3	Probabilistic framework for assessing ecological risk of Contaminants of Emerging Concern: Application to a Canadian lake system. Chemosphere, 2022, 287, 131910.	8.2	9
4	Vegetation Dynamics, Land Use and Ecological Risk in Response to NDVI and Climate Change in Nepal. , 2022, , 160-178.		1
5	Developing an Integrated "Regression-QMRA method" to Predict Public Health Risks of Low Impact Developments (LIDs) for Improved Planning. Environmental Management, 2022, , 1.	2.7	2
6	Modeling hydraulics and water quality in distribution networks: a review of existing mathematical techniques and software. , 2021, , 187-212.		3
7	Energy Performance Assessment Framework for Residential Buildings in Saudi Arabia. Sustainability, 2021, 13, 2232.	3.2	7
8	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
9	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
10	Investigating Spatiotemporal Variability of Water, Energy, and Carbon Flows: A Probabilistic Fuzzy Synthetic Evaluation Framework for Higher Education Institutions. Environments - MDPI, 2021, 8, 72.	3.3	2
11	An integrated risk assessment and prediction framework for fire ignition sources in smart-green multi-unit residential buildings. International Journal of Systems Assurance Engineering and Management, 2021, 12, 1262-1295.	2.4	4
12	Framework for Developing a Low-Carbon Energy Demand in Residential Buildings Using Community-Government Partnership: An Application in Saudi Arabia. Energies, 2021, 14, 4954.	3.1	10
13	Carbon Capture Systems for Building-Level Heating Systems" A Socio-Economic and Environmental Evaluation. Sustainability, 2021, 13, 10681.	3.2	4
14	Enhanced real-time scheduling algorithm for energy management in a renewable-integrated microgrid. Applied Energy, 2021, 304, 117658.	10.1	10
15	Environmental assessment under uncertainty using Dempster"Shafer theory and Z-numbers. Journal of Ambient Intelligence and Humanized Computing, 2020, 11, 2041-2060.	4.9	105
16	Investigating unregulated disinfection byproduct reduction efficiencies in drinking waters using zirconium oxychloride, a novel coagulant. Journal of Water Process Engineering, 2020, 37, 101496.	5.6	2
17	Prospects of integrating carbon capturing into community scale energy systems. Renewable and Sustainable Energy Reviews, 2020, 133, 110193.	16.4	26
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	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
20	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
21	Spatial and Temporal Variation of Drought Based on Satellite Derived Vegetation Condition Index in Nepal from 1982 to 2015. <i>Sensors</i> , 2019, 19, 430.	3.8	39
22	Selection of sustainable municipal water reuse applications by multi-stakeholders using game theory. <i>Science of the Total Environment</i> , 2019, 650, 2512-2526.	8.0	43
23	Optimizing residential density based on water-energy-carbon nexus using Utility Additives (UTA) method. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 855-870.	4.1	13
24	Stable strategies analysis based on the utility of Z-number in the evolutionary games. <i>Applied Mathematics and Computation</i> , 2018, 324, 202-217.	2.2	111
25	Sustainability assessment framework for small-sized urban neighbourhoods: An application of fuzzy synthetic evaluation. <i>Sustainable Cities and Society</i> , 2018, 36, 21-32.	10.4	70
26	Development of a predictive model for Clostridium difficile infection incidence in hospitals using Gaussian mixture model and Dempster-Shafer theory. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1743-1758.	4.0	20
27	Evaluating water reuse applications under uncertainty: generalized intuitionistic fuzzy-based approach. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1099-1111.	4.0	20
28	Life Cycle Thinking-Based Selection of Building Facades. <i>Journal of Architectural Engineering</i> , 2018, 24, .	1.6	16
29	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
30	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
31	Unregulated disinfection By-products in drinking water in Quebec: A meta analysis. <i>Journal of Environmental Management</i> , 2018, 223, 984-1000.	7.8	23
32	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
33	Impacts of neighborhood densification on water-energy-carbon nexus: Investigating water distribution and residential landscaping system. <i>Journal of Cleaner Production</i> , 2017, 156, 786-795.	9.3	36
34	Fit-for-purpose wastewater treatment: Testing to implementation of decision support tool (II). <i>Science of the Total Environment</i> , 2017, 607-608, 403-412.	8.0	22
35	Fit-for-purpose wastewater treatment: Conceptualization to development of decision support tool (I). <i>Science of the Total Environment</i> , 2017, 607-608, 600-612.	8.0	37
36	Microbial quality of reclaimed water for urban reuses: Probabilistic risk-based investigation and recommendations. <i>Science of the Total Environment</i> , 2017, 576, 738-751.	8.0	46

#	ARTICLE	IF	CITATIONS
37	Selecting Sustainability Indicators for Small to Medium Sized Urban Water Systems Using Fuzzyâ€ELECTRE. Water Environment Research, 2017, 89, 238-249.	2.7	26
38	A new weighting factor in combining belief function. PLoS ONE, 2017, 12, e0177695.	2.5	7
39	Characterizing hydraulic fracturing fluid greenness: application of a hazard-based index approach. Clean Technologies and Environmental Policy, 2016, 18, 647-668.	4.1	13
40	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