

Dipendra Gautam

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

69
papers

801
citations

16
h-index

25
g-index

83
ext. papers

1,071
ext. citations

2.9
avg, IF

5.37
L-index

#	Paper	IF	Citations
69	Common structural and construction deficiencies of Nepalese buildings. <i>Innovative Infrastructure Solutions</i> , 2016 , 1, 1	2.3	83
68	Structural performance and associated lessons to be learned from world earthquakes in Nepal after 25 April 2015 (MW 7.8) Gorkha earthquake. <i>Engineering Failure Analysis</i> , 2016 , 68, 222-243	3.2	66
67	Geological observations on large earthquakes along the Himalayan frontal fault near Kathmandu, Nepal. <i>Earth and Planetary Science Letters</i> , 2017 , 457, 366-375	5.3	43
66	Derive empirical fragility functions for Nepali residential buildings. <i>Engineering Structures</i> , 2018 , 171, 617-628	4.7	41
65	Field Reconnaissance after the 25 April 2015 M7.8 Gorkha Earthquake. <i>Seismological Research Letters</i> , 2015 , 86, 1506-1513	3	34
64	Assessment of social vulnerability to natural hazards in Nepal. <i>Natural Hazards and Earth System Sciences</i> , 2017 , 17, 2313-2320	3.9	33
63	Long-term resilience and loss assessment of highway bridges under multiple natural hazards. <i>Structure and Infrastructure Engineering</i> , 2020 , 16, 626-641	2.9	32
62	Performance of Medium-to-High Rise Reinforced Concrete Frame Buildings with Masonry Infill in the 2015 Gorkha, Nepal, Earthquake. <i>Earthquake Spectra</i> , 2017 , 33, 197-218	3.4	30
61	Seismic Performance of World Heritage Sites in Kathmandu Valley during Gorkha Seismic Sequence of April-May 2015. <i>Journal of Performance of Constructed Facilities</i> , 2017 , 31, 06017003	2	25
60	Disaster resilient vernacular housing technology in Nepal. <i>Geoenvironmental Disasters</i> , 2016 , 3,	3.6	25
59	Soil liquefaction in Kathmandu valley due to 25 April 2015 Gorkha, Nepal earthquake. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 97, 37-47	3.5	22
58	Observational fragility functions for residential stone masonry buildings in Nepal. <i>Bulletin of Earthquake Engineering</i> , 2018 , 16, 4661-4673	3.7	22
57	Multi-hazard vulnerability of structures and lifelines due to the 2015 Gorkha earthquake and 2017 central Nepal flash flood. <i>Journal of Building Engineering</i> , 2018 , 17, 196-201	5.2	21
56	Drawdown and Dynamics of Groundwater Table in Kathmandu Valley, Nepal. <i>The Open Hydrology Journal</i> , 2014 , 8, 17-26		18
55	Preliminary assessment of seismic site effects in the fluvio-lacustrine sediments of Kathmandu valley, Nepal. <i>Natural Hazards</i> , 2016 , 81, 1745-1769	3	17
54	Site effects and associated structural damage analysis in Kathmandu Valley, Nepal. <i>Earthquake and Structures</i> , 2016 , 10, 1013-1032		17
53	An empirical method for seismic vulnerability assessment of Nepali school buildings. <i>Bulletin of Earthquake Engineering</i> , 2020 , 18, 5965-5982	3.7	14

52	Seismic Performance of Buildings in Nepal After the Gorkha Earthquake 2018 , 47-63		14
51	Unearthed lessons of 25 April 2015 Gorkha earthquake (MW 7.8): geotechnical earthquake engineering perspectives. <i>Geomatics, Natural Hazards and Risk</i> , 2017 , 8, 1358-1382	3.6	13
50	On seismic vulnerability of highway bridges in Nepal: 1988 Udaypur earthquake (M W 6.8) revisited. <i>Soil Dynamics and Earthquake Engineering</i> , 2017 , 99, 168-171	3.5	13
49	Experimental study on properties of natural soils treated with cement kiln dust. <i>Case Studies in Construction Materials</i> , 2019 , 10, e00223	2.7	13
48	Revisiting Major Historical Earthquakes in Nepal 2018 , 1-17		13
47	Catchment-scale flood hazard mapping and flood vulnerability analysis of residential buildings: The case of Khando River in eastern Nepal. <i>Journal of Hydrology: Regional Studies</i> , 2020 , 30, 100704	3.6	11
46	Empirical correlation between uncorrected standard penetration resistance (N) and shear wave velocity (VS) for Kathmandu Valley, Nepal. <i>Geomatics, Natural Hazards and Risk</i> , 2017 , 8, 496-508	3.6	11
45	Component level seismic fragility functions and damage probability matrices for Nepali school buildings. <i>Soil Dynamics and Earthquake Engineering</i> , 2019 , 120, 316-319	3.5	9
44	Windstorm vulnerability of residential buildings and infrastructures in south-central Nepal. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2020 , 198, 104113	3.7	9
43	Empirical fragility functions for Nepali highway bridges affected by the 2015 Gorkha Earthquake. <i>Soil Dynamics and Earthquake Engineering</i> , 2019 , 126, 105778	3.5	9
42	Seismic vulnerability and retrofitting scheme for low-to-medium rise reinforced concrete buildings in Nepal. <i>Journal of Building Engineering</i> , 2019 , 21, 186-199	5.2	9
41	Speed and quality of recovery after the Gorkha Earthquake 2015 Nepal. <i>International Journal of Disaster Risk Reduction</i> , 2020 , 50, 101689	4.5	8
40	Seismic Vulnerability of Urban Vernacular Buildings in Nepal: Case of Newari Construction. <i>Journal of Earthquake Engineering</i> , 2021 , 25, 43-64	1.8	8
39	Seismic Vulnerability of Vernacular Residential Buildings in Bhutan. <i>Journal of Earthquake Engineering</i> , 1-16	1.8	8
38	Generation of spectrum-compatible acceleration time history for Nepal. <i>Comptes Rendus - Geoscience</i> , 2017 , 349, 198-201	1.4	7
37	Seismic Strengthening of the Bagh Durbar Heritage Building in Kathmandu Following the Gorkha Earthquake Sequence. <i>Buildings</i> , 2019 , 9, 128	3.2	6
36	Probabilistic seismic liquefaction hazard assessment of Kathmandu valley, Nepal. <i>Geomatics, Natural Hazards and Risk</i> , 2020 , 11, 259-271	3.6	6
35	Indigenous water management system in Nepal: cultural dimensions of water distribution, cascaded reuse and harvesting in Bhaktapur City. <i>Environment, Development and Sustainability</i> , 2018 , 20, 1889-1900	4.5	6

34	Local level multi-hazard zonation of Nepal. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 405-423	3.6	6
33	Seismic Hazard in the Himalayan Intermontane Basins: An Example from Kathmandu Valley, Nepal. <i>Disaster Risk Reduction</i> , 2015 , 73-103	0.3	5
32	Seismic fragility of structural and non-structural elements of Nepali RC buildings. <i>Engineering Structures</i> , 2021 , 232, 111879	4.7	5
31	Multi-Hazard Risk Assessment of Kathmandu Valley, Nepal. <i>Sustainability</i> , 2021 , 13, 5369	3.6	5
30	Effect of variation on infill masonry walls in the seismic performance of soft story RC building. <i>Australian Journal of Structural Engineering</i> , 2019 , 20, 1-9	1.4	5
29	Effect of Lintel Beam on Seismic Response of Reinforced Concrete Buildings with Semi-Interlocked and Unreinforced Brick Masonry Infills. <i>Infrastructures</i> , 2021 , 6, 6	2.6	5
28	Seismic Performance of High-Rise Condominium Building during the 2015 Gorkha Earthquake Sequence. <i>Buildings</i> , 2019 , 9, 36	3.2	4
27	Experimental characterization of monumental brick masonry in Nepal. <i>Structures</i> , 2020 , 28, 1314-1321	3.4	4
26	Response and Rehabilitation of Historic Monuments After the Gorkha Earthquake 2018 , 65-94		4
25	Mapping surface motion parameters and liquefaction susceptibility in Tribhuvan International Airport, Nepal. <i>Geomatics, Natural Hazards and Risk</i> , 2017 , 8, 1173-1184	3.6	3
24	Bridging Multi-hazard Vulnerability and Sustainability: Approaches and Applications to Nepali Highway Bridges 2019 , 361-378		3
23	Ambient Vibration Measurements in Representative Buildings in Kathmandu Valley Following the Gorkha Earthquake. <i>Journal of Performance of Constructed Facilities</i> , 2018 , 32, 04018028	2	3
22	Seismic fragility analysis of RC bridges in high seismic regions under horizontal and simultaneous horizontal and vertical excitations. <i>Structures</i> , 2022 , 37, 284-294	3.4	3
21	System Identification of a Residential Building in Kathmandu Using Aftershocks of 2015 Gorkha Earthquake and Triggered Noise Data. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2019 , 233-247	0.2	3
20	Strong Far-Field Vertical Excitation and Building Damage: A Systematic Review and Future Avenues. <i>Advances in Civil Engineering</i> , 2021 , 2021, 1-13	1.3	3
19	Shear wave velocity profiling and ground response analysis in Phuentsholing, Bhutan. <i>Innovative Infrastructure Solutions</i> , 2021 , 6, 1	2.3	3
18	In-plane behavior of various brick bonds in masonry walls. <i>Innovative Infrastructure Solutions</i> , 2020 , 5, 1	2.3	2
17	Simplified frame model for capacity assessment of masonry buildings. <i>Soil Dynamics and Earthquake Engineering</i> , 2020 , 131, 106056	3.5	2

16	Past and Future of Earthquake Risk Reduction Policies and Intervention in Nepal 2018 , 173-182		2
15	Progress in sustainable structural engineering: a review. <i>Innovative Infrastructure Solutions</i> , 2021 , 6, 1	2.3	2
14	Empirical seismic vulnerability analysis of infrastructure systems in Nepal. <i>Bulletin of Earthquake Engineering</i> , 1	3.7	2
13	Assessment of Social Vulnerability to Natural Hazards in Nepal 2017 ,		1
12	Seismic Fragility Analysis of Low-Rise RC Buildings with Brick Infills in High Seismic Region with Alluvial Deposits. <i>Buildings</i> , 2022 , 12, 72	3.2	1
11	Mechanical characterization of recycled concrete under various aggregate replacement scenarios. <i>Cleaner Engineering and Technology</i> , 2022 , 7, 100428	2.7	1
10	System Identification and Seismic Performance Assessment of Representative RC Buildings in Kathmandu Valley. <i>Frontiers in Built Environment</i> , 2020 , 6,	2.2	1
9	Assessing the Prospects of Transboundary Multihazard Dynamics: The Case of Bhotekoshi-Bunkoshi Watershed in Sino-Nepal Border Region. <i>Sustainability</i> , 2021 , 13, 3670	3.6	1
8	Sustainability assessment of Bhutanese vernacular wattle and daub houses. <i>Innovative Infrastructure Solutions</i> , 2021 , 6, 1	2.3	1
7	Comparison between the seismic codes of Nepal, India, Japan, and EU. <i>Asian Journal of Civil Engineering</i> , 2019 , 20, 301-312	1.5	1
6	Seismic vulnerability of Himalayan stone masonry: Regional perspectives 2021 , 25-60		1
5	From Tship Chim to Pa Chim: Seismic vulnerability and strengthening of Bhutanese vernacular buildings 2021 , 253-288		1
4	System Identification and Finite Element Modelling of Damaged Bal Mandir Monument in Kathmandu After the 2015 Gorkha Earthquake. <i>Lecture Notes in Civil Engineering</i> , 2022 , 222-231	0.3	0
3	Geohazard vulnerability and condition assessment of the Asian highway AH-48 in Bhutan. <i>Geomatics, Natural Hazards and Risk</i> , 2021 , 12, 2904-2930	3.6	0
2	Seismic vulnerability of bhutanese vernacular stone masonry buildings: From damage observation to fragility analysis. <i>Soil Dynamics and Earthquake Engineering</i> , 2022 , 160, 107351	3.5	0
1	Failure Investigation of under Construction Prestressed Concrete Bridge in Chitwan, Nepal. <i>Infrastructures</i> , 2022 , 7, 14	2.6	