Dipendra Gautam

List of Publications by Year in Descending Order

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	Failure Investigation of under Construction Prestressed Concrete Bridge in Chitwan, Nepal. *Infrastructures*, **2022**, 7, 14	2.6	
68	Seismic Fragility Analysis of Low-Rise RC Buildings with Brick Infills in High Seismic Region with Alluvial Deposits. *Buildings*, **2022**, 12, 72	3.2	1
67	Mechanical characterization of recycled concrete under various aggregate replacement scenarios. *Cleaner Engineering and Technology*, **2022**, 7, 100428	2.7	1
66	Seismic fragility analysis of RC bridges in high seismic regions under horizontal and simultaneous horizontal and vertical excitations. *Structures*, **2022**, 37, 284-294	3.4	3
65	System Identification and Finite Element Modelling of Damaged Bal Mandir Monument in Kathmandu After the 2015 Gorkha Earthquake. *Lecture Notes in Civil Engineering*, **2022**, 222-231	0.3	0
64	Seismic vulnerability of bhutanese vernacular stone masonry buildings: From damage observation to fragility analysis. *Soil Dynamics and Earthquake Engineering*, **2022**, 160, 107351	3.5	0
63	Assessing the Prospects of Transboundary Multihazard Dynamics: The Case of Bhotekoshi-Sunkoshi Watershed in Sino-Nepal Border Region. *Sustainability*, **2021**, 13, 3670	3.6	1
62	Strong Far-Field Vertical Excitation and Building Damage: A Systematic Review and Future Avenues. *Advances in Civil Engineering*, **2021**, 2021, 1-13	1.3	3
61	Seismic fragility of structural and non-structural elements of Nepali RC buildings. *Engineering Structures*, **2021**, 232, 111879	4.7	5
60	Multi-Hazard Risk Assessment of Kathmandu Valley, Nepal. *Sustainability*, **2021**, 13, 5369	3.6	5
59	Sustainability assessment of Bhutanese vernacular wattle and daub houses. *Innovative Infrastructure Solutions*, **2021**, 6, 1	2.3	1
58	Seismic Vulnerability of Urban Vernacular Buildings in Nepal: Case of Newari Construction. *Journal of Earthquake Engineering*, **2021**, 25, 43-64	1.8	8
57	Effect of Lintel Beam on Seismic Response of Reinforced Concrete Buildings with Semi-Interlocked and Unreinforced Brick Masonry Infills. *Infrastructures*, **2021**, 6, 6	2.6	5
56	Seismic vulnerability of Himalayan stone masonry: Regional perspectives **2021**, 25-60		1
55	Progress in sustainable structural engineering: a review. *Innovative Infrastructure Solutions*, **2021**, 6, 1	2.3	2
54	Local level multi-hazard zonation of Nepal. *Geomatics, Natural Hazards and Risk*, **2021**, 12, 405-423	3.6	6
53	Shear wave velocity profiling and ground response analysis in Phuentsholing, Bhutan. *Innovative Infrastructure Solutions*, **2021**, 6, 1	2.3	3

52	Geohazard vulnerability and condition assessment of the Asian highway AH-48 in Bhutan. *Geomatics, Natural Hazards and Risk*, **2021**, 12, 2904-2930	3.6	0
51	From Tship Chim to Pa Chim: Seismic vulnerability and strengthening of Bhutanese vernacular buildings **2021**, 253-288		1
50	In-plane behavior of various brick bonds in masonry walls. *Innovative Infrastructure Solutions*, **2020**, 5, 1	2.3	2
49	Catchment-scale flood hazard mapping and flood vulnerability analysis of residential buildings: The case of Khando River in eastern Nepal. *Journal of Hydrology: Regional Studies*, **2020**, 30, 100704	3.6	11
48	Speed and quality of recovery after the Gorkha Earthquake 2015 Nepal. *International Journal of Disaster Risk Reduction*, **2020**, 50, 101689	4.5	8
47	Simplified frame model for capacity assessment of masonry buildings. *Soil Dynamics and Earthquake Engineering*, **2020**, 131, 106056	3.5	2
46	Probabilistic seismic liquefaction hazard assessment of Kathmandu valley, Nepal. *Geomatics, Natural Hazards and Risk*, **2020**, 11, 259-271	3.6	6
45	Windstorm vulnerability of residential buildings and infrastructures in south-central Nepal. *Journal of Wind Engineering and Industrial Aerodynamics*, **2020**, 198, 104113	3.7	9
44	System Identification and Seismic Performance Assessment of Representative RC Buildings in Kathmandu Valley. *Frontiers in Built Environment*, **2020**, 6,	2.2	1
43	Long-term resilience and loss assessment of highway bridges under multiple natural hazards. *Structure and Infrastructure Engineering*, **2020**, 16, 626-641	2.9	32
42	Experimental characterization of monumental brick masonry in Nepal. *Structures*, **2020**, 28, 1314-1321	3.4	4
41	An empirical method for seismic vulnerability assessment of Nepali school buildings. *Bulletin of Earthquake Engineering*, **2020**, 18, 5965-5982	3.7	14
40	Experimental study on properties of natural soils treated with cement kiln dust. *Case Studies in Construction Materials*, **2019**, 10, e00223	2.7	13
39	Seismic Performance of High-Rise Condominium Building during the 2015 Gorkha Earthquake Sequence. *Buildings*, **2019**, 9, 36	3.2	4
38	Seismic Strengthening of the Bagh Durbar Heritage Building in Kathmandu Following the Gorkha Earthquake Sequence. *Buildings*, **2019**, 9, 128	3.2	6
37	Bridging Multi-hazard Vulnerability and Sustainability: Approaches and Applications to Nepali Highway Bridges **2019**, 361-378		3
36	Component level seismic fragility functions and damage probability matrices for Nepali school buildings. *Soil Dynamics and Earthquake Engineering*, **2019**, 120, 316-319	3.5	9
35	Empirical fragility functions for Nepali highway bridges affected by the 2015 Gorkha Earthquake. *Soil Dynamics and Earthquake Engineering*, **2019**, 126, 105778	3.5	9

34	System Identification of a Residential Building in Kathmandu Using Aftershocks of 2015 Gorkha Earthquake and Triggered Noise Data. *Geotechnical, Geological and Earthquake Engineering*, **2019**, 233-247	0.2	3
33	Effect of variation on infill masonry walls in the seismic performance of soft story RC building. *Australian Journal of Structural Engineering*, **2019**, 20, 1-9	1.4	5
32	Comparison between the seismic codes of Nepal, India, Japan, and EU. *Asian Journal of Civil Engineering*, **2019**, 20, 301-312	1.5	1
31	Seismic vulnerability and retrofitting scheme for low-to-medium rise reinforced concrete buildings in Nepal. *Journal of Building Engineering*, **2019**, 21, 186-199	5.2	9
30	Multi-hazard vulnerability of structures and lifelines due to the 2015 Gorkha earthquake and 2017 central Nepal flash flood. *Journal of Building Engineering*, **2018**, 17, 196-201	5.2	21
29	Observational fragility functions for residential stone masonry buildings in Nepal. *Bulletin of Earthquake Engineering*, **2018**, 16, 4661-4673	3.7	22
28	Ambient Vibration Measurements in Representative Buildings in Kathmandu Valley Following the Gorkha Earthquake. *Journal of Performance of Constructed Facilities*, **2018**, 32, 04018028	2	3
27	Indigenous water management system in Nepal: cultural dimensions of water distribution, cascaded reuse and harvesting in Bhaktapur City. *Environment, Development and Sustainability*, **2018**, 20, 1889-1900	4.5	6
26	Past and Future of Earthquake Risk Reduction Policies and Intervention in Nepal **2018**, 173-182		2
25	Derive empirical fragility functions for Nepali residential buildings. *Engineering Structures*, **2018**, 171, 617-628	4.7	41
24	Revisiting Major Historical Earthquakes in Nepal **2018**, 1-17		13
23	Seismic Performance of Buildings in Nepal After the Gorkha Earthquake **2018**, 47-63		14
22	Response and Rehabilitation of Historic Monuments After the Gorkha Earthquake **2018**, 65-94		4
21	Soil liquefaction in Kathmandu valley due to 25 April 2015 Gorkha, Nepal earthquake. *Soil Dynamics and Earthquake Engineering*, **2017**, 97, 37-47	3.5	22
20	Seismic Performance of World Heritage Sites in Kathmandu Valley during Gorkha Seismic Sequence of April–May 2015. *Journal of Performance of Constructed Facilities*, **2017**, 31, 06017003	2	25
19	Mapping surface motion parameters and liquefaction susceptibility in Tribhuvan International Airport, Nepal. *Geomatics, Natural Hazards and Risk*, **2017**, 8, 1173-1184	3.6	3
18	Unearthed lessons of 25 April 2015 Gorkha earthquake (MW 7.8): geotechnical earthquake engineering perspectives. *Geomatics, Natural Hazards and Risk*, **2017**, 8, 1358-1382	3.6	13
17	On seismic vulnerability of highway bridges in Nepal: 1988 Udaypur earthquake (M W 6.8) revisited. *Soil Dynamics and Earthquake Engineering*, **2017**, 99, 168-171	3.5	13

16	Assessment of social vulnerability to natural hazards in Nepal. *Natural Hazards and Earth System Sciences*, **2017**, 17, 2313-2320	3.9	33
15	Performance of Medium-to-High Rise Reinforced Concrete Frame Buildings with Masonry Infill in the 2015 Gorkha, Nepal, Earthquake. *Earthquake Spectra*, **2017**, 33, 197-218	3.4	30
14	Assessment of Social Vulnerability to Natural Hazards in Nepal **2017**,		1
13	Generation of spectrum-compatible acceleration time history for Nepal. *Comptes Rendus - Geoscience*, **2017**, 349, 198-201	1.4	7
12	Geological observations on large earthquakes along the Himalayan frontal fault near Kathmandu, Nepal. *Earth and Planetary Science Letters*, **2017**, 457, 366-375	5.3	43
11	Empirical correlation between uncorrected standard penetration resistance (N) and shear wave velocity (VS) for Kathmandu Valley, Nepal. *Geomatics, Natural Hazards and Risk*, **2017**, 8, 496-508	3.6	11
10	Disaster resilient vernacular housing technology in Nepal. *Geoenvironmental Disasters*, **2016**, 3,	3.6	25
9	Structural performance and associated lessons to be learned from world earthquakes in Nepal after 25 April 2015 (MW 7.8) Gorkha earthquake. *Engineering Failure Analysis*, **2016**, 68, 222-243	3.2	66
8	Common structural and construction deficiencies of Nepalese buildings. *Innovative Infrastructure Solutions*, **2016**, 1, 1	2.3	83
7	Preliminary assessment of seismic site effects in the fluvio-lacustrine sediments of Kathmandu valley, Nepal. *Natural Hazards*, **2016**, 81, 1745-1769	3	17
6	Site effects and associated structural damage analysis in Kathmandu Valley, Nepal. *Earthquake and Structures*, **2016**, 10, 1013-1032		17
5	Field Reconnaissance after the 25 April 2015 M 7.8 Gorkha Earthquake. *Seismological Research Letters*, **2015**, 86, 1506-1513	3	34
4	Seismic Hazard in the Himalayan Intermontane Basins: An Example from Kathmandu Valley, Nepal. *Disaster Risk Reduction*, **2015**, 73-103	0.3	5
3	Drawdown and Dynamics of Groundwater Table in Kathmandu Valley, Nepal. *The Open Hydrology Journal*, **2014**, 8, 17-26		18
2	Seismic Vulnerability of Vernacular Residential Buildings in Bhutan. *Journal of Earthquake Engineering*,1-16	1.8	8
1	Empirical seismic vulnerability analysis of infrastructure systems in Nepal. *Bulletin of Earthquake Engineering*,1	3.7	2