

Hemant B Kaushik

List of Publications by Year in descending order

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38
papers

1,241
citations

567281

15
h-index

361022

35
g-index

41
all docs

41
docs citations

41
times ranked

793
citing authors

#	ARTICLE	IF	CITATIONS
1	Stress-Strain Characteristics of Clay Brick Masonry under Uniaxial Compression. Journal of Materials in Civil Engineering, 2007, 19, 728-739.	2.9	527
2	Code Approaches to Seismic Design of Masonry-Infilled Reinforced Concrete Frames: A State-of-the-Art Review. Earthquake Spectra, 2006, 22, 961-983.	3.1	91
3	Behavior and failure mechanisms of masonry-infilled RC frames (in low-rise buildings) subject to lateral loading. Engineering Structures, 2016, 111, 233-245.	5.3	82
4	Effectiveness of Some Strengthening Options for Masonry-Infilled RC Frames with Open First Story. Journal of Structural Engineering, 2009, 135, 925-937.	3.4	59
5	Evaluation of Nonlinear Material Properties of Fly Ash Brick Masonry under Compression and Shear. Journal of Materials in Civil Engineering, 2015, 27, .	2.9	41
6	Comprehensive numerical approaches for the design and safety assessment of masonry buildings retrofitted with steel bands in developing countries: The case of India. Construction and Building Materials, 2015, 85, 227-246.	7.2	34
7	Seismic fragility of open ground storey RC frames with wall openings for vulnerability assessment. Engineering Structures, 2018, 155, 345-357.	5.3	33
8	Masonry Infill RC Frames with Openings: Review of In-plane Lateral Load Behaviour and Modeling Approaches. Open Construction and Building Technology Journal, 2012, 6, 126-154.	0.7	32
9	Impact of Great December 26, 2004 Sumatra Earthquake and Tsunami on Structures in Port Blair. Journal of Performance of Constructed Facilities, 2007, 21, 128-142.	2.0	29
10	Treatment of uncertainties in seismic fragility assessment of RC frames with masonry infill walls. Soil Dynamics and Earthquake Engineering, 2019, 126, 105771.	3.8	26
11	Assessment of Seismic Vulnerability of Structures in Sikkim, India, Based on Damage Observation during Two Recent Earthquakes. Journal of Performance of Constructed Facilities, 2013, 27, 697-720.	2.0	22
12	Experimental and numerical analyses of unreinforced masonry wall components and building. Construction and Building Materials, 2020, 257, 119599.	7.2	22
13	Sustainable housing using confined masonry buildings. SN Applied Sciences, 2019, 1, 1.	2.9	20
14	A novel macromodel for prediction of shear failure in columns of masonry infilled RC frames under earthquake loading. Bulletin of Earthquake Engineering, 2019, 17, 2219-2244.	4.1	17
15	Empirical Models for Lateral Stiffness and Strength of Masonry-Infilled RC Frames Considering the Influence of Openings. Journal of Structural Engineering, 2020, 146, .	3.4	16
16	Suitability of fly ash brick masonry as infill in reinforced concrete frames. Materials and Structures/Materiaux Et Constructions, 2016, 49, 3831-3845.	3.1	15
17	Seismic Response Sensitivity to Uncertain Variables in RC Frames with Infill Walls. Journal of Structural Engineering, 2018, 144, .	3.4	15
18	Assessment of seismic design provisions for confined masonry using experimental and numerical approaches. Engineering Structures, 2021, 245, 112864.	5.3	15

#	ARTICLE	IF	CITATIONS
19	Component Level Fragility Estimation for Vertically Irregular Reinforced Concrete Frames. Journal of Earthquake Engineering, 2020, 24, 947-971.	2.5	13
20	Investigation on improving the shear behavior of columns in masonry infilled RC frames under lateral loads. Bulletin of Earthquake Engineering, 2019, 17, 3995-4026.	4.1	12
21	Performance of Structures in the Andaman and Nicobar Islands (India) during the December 2004 Great Sumatra Earthquake and Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 321-354.	3.1	12
22	Lateral Load Behavior of Traditional Assam-Type Wooden House. Journal of Structural Engineering, 2019, 145, .	3.4	11
23	Wavelet-based simulation of scenario-specific nonstationary accelerograms and their GMPE compatibility. Soil Dynamics and Earthquake Engineering, 2017, 99, 56-67.	3.8	9
24	Development of a Novel V-D Strut Model for Seismic Analysis of Confined Masonry Buildings. Journal of Structural Engineering, 2021, 147, .	3.4	9
25	<i>M</i>; 6.7, 4 January 2016 Imphal Earthquake:Dismal Performance of Publicly-Funded Buildings. Current Science, 2017, 113, 2341.	0.8	9
26	Finite Element Modelling of Confined Masonry Wall under In-plane Cyclic Load. IOP Conference Series: Materials Science and Engineering, 2020, 936, 012020.	0.6	8
27	Lateral load-deformation models for seismic analysis and performance-based design of confined masonry walls. Journal of Building Engineering, 2022, 48, 103978.	3.4	8
28	Lifeline Systems in the Andaman and Nicobar Islands (India) after the December 2004 Great Sumatra Earthquake and Indian Ocean Tsunami. Earthquake Spectra, 2006, 22, 581-606.	3.1	7
29	Seismic force distribution in members of confined masonry buildings. Engineering Structures, 2022, 266, 114605.	5.3	6
30	The Effect of the December 2004 Great Sumatra Earthquake and Indian Ocean Tsunami on Transportation Systems in India's Andaman and Nicobar Islands. Earthquake Spectra, 2006, 22, 561-579.	3.1	4
31	Lateral load behavior of connections in Assam-type wooden houses in the Himalayan region of India. Construction and Building Materials, 2020, 261, 119904.	7.2	4
32	Experimental Evaluation of Full-Scale URM Buildings Strengthened Using Surface-Mounted Steel Bands. Journal of Structural Engineering, 2021, 147, .	3.4	3
33	Influence of Individual Wall Strengths on Lateral Strength of URM Buildings Constructed Using Low-Strength Masonry. Journal of Earthquake Engineering, 2022, 26, 1847-1874.	2.5	2
34	Retrieval of True Lateral Load"Deformation Behavior of Axially Loaded Columns from Experimental Data. Journal of Structural Engineering, 2020, 146, .	3.4	1
35	Seismic Vulnerability Assessment and Strengthening of New Market Building Damaged after January 4, 2016, Imphal, India, Earthquake. Journal of Performance of Constructed Facilities, 2020, 34, 04019116.	2.0	1
36	Material Characterization of Traditional Assam-Type Wooden Houses in Northeastern India. Journal of Materials in Civil Engineering, 2020, 32, 04020384.	2.9	1

#	ARTICLE	IF	CITATIONS
37	Non-linear Behavior of Weak Brick-Strong Mortar Masonry in Compression. , 2015, , 2427-2433.		1
38	Modification and Modeling of Experiments with Bi-directional Loading on Reinforced Concrete Columns. Lecture Notes in Mechanical Engineering, 2021, , 185-197.	0.4	0