Chinmoy Kolay

List of Publications by Year
in descending order

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16 papers	352 citations	1039880 9 h-index	1125617 13 g-index
16 all docs	16 docs citations	16 times ranked	173 citing authors

#	Article	IF	Citations
1	Response to Chang, Veerarajan and Wuâ€™s Discussion of â€œImproved Explicit Integration Algorithms for Structural Dynamic Analysis with Unconditional Stability and Controllable Numerical Dissipationâ€• [Journal of Earthquake Engineering 23 (2019) 771â€“792]. Journal of Earthquake Engineering, 2021, 25, 3001-3007.	1.4	0
2	Assessment of wind-induced vibration mitigation in a tall building with damped outriggers using real-time hybrid simulations. Engineering Structures, 2020, 205, 110044.	2.6	31
3	NHERI Lehigh Experimental Facility With Large-Scale Multi-Directional Hybrid Simulation Testing Capabilities. Frontiers in Built Environment, 2020, 6, .	1.2	7
4	Discussion of â€œChoices of Structure-Dependent Pseudodynamic Algorithmsâ€•by Shuenn-Yih Chang. Journal of Engineering Mechanics - ASCE, 2020, 146, 07020001.	1.6	0
5	Multi-hazard real-time hybrid simulation of a tall building with damped outriggers. International Journal of Lifecycle Performance Engineering, 2020, 4, 103.	0.2	10
6	Stability analysis of substructure shake table testing using two families of model-based integration algorithms. Soil Dynamics and Earthquake Engineering, 2019, 126, 105777.	1.9	10
7	Response to Maxam and Tamma's discussion (EQEâ€18â€0306) to Kolay and Ricles's paper, â€œDevelopment of a family of unconditionally stable explicit direct integration algorithms with controllable numerical energy dissipationâ€• Earthquake Engineering and Structural Dynamics, 2019, 48, 482-485.	2.5	1
8	Improved Explicit Integration Algorithms for Structural Dynamic Analysis with Unconditional Stability and Controllable Numerical Dissipation. Journal of Earthquake Engineering, 2019, 23, 771-792.	1.4	23
9	Force-Based Frame Element Implementation for Real-Time Hybrid Simulation Using Explicit Direct Integration Algorithms. Journal of Structural Engineering, 2018, 144, .	1.7	11
10	Assessment of explicit and semiâ€explicit classes of modelâ€based algorithms for direct integration in structural dynamics. International Journal for Numerical Methods in Engineering, 2016, 107, 49-73.	1.5	36
11	Collapse simulation of reinforced concrete frame structures. Structural Design of Tall and Special Buildings, 2016, 25, 578-601.	0.9	63
12	Response to â€˜Discussion of paper â€œDevelopment of a family of unconditionally stable explicit direct integration algorithms with controllable numerical energy dissipationâ€•by Chinmoy Kolay and James M. Riclesâ€™ in Earthquake Engineering and Structural Dynamics 2014; 43:1361â€“1380. Earthquake Engineering and Structural Dynamics, 2015, 44, 329-332.	2.5	1
13	Implementation and application of the unconditionally stable explicit parametrically dissipative KRâ€Î± method for realâ€time hybrid simulation. Earthquake Engineering and Structural Dynamics, 2015, 44, 735-755.	2.5	47
14	Development of a family of unconditionally stable explicit direct integration algorithms with controllable numerical energy dissipation. Earthquake Engineering and Structural Dynamics, 2014, 43, 1361-1380.	2.5	93
15	Nonlinear Dynamic Analysis and Seismic Coefficient for Abutments and Retaining Walls. Earthquake Spectra, 2013, 29, 427-451.	1.6	15
16	Computational Challenges in Real-Time Hybrid Simulation of Tall Buildings under Multiple Natural Hazards. Key Engineering Materials, 0, 763, 566-575.	0.4	4