

Chinmoy Kolay

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3384505/publications.pdf>

Version: 2024-02-01

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