

Zeljana Nikolic

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

480
citations

840776

11
h-index

713466

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all docs

30
docs citations

30
times ranked

297
citing authors

#	ARTICLE	IF	CITATIONS
1	A Machine Learning Framework for Multi-Hazard Risk Assessment at the Regional Scale in Earthquake and Flood-Prone Areas. Applied Sciences (Switzerland), 2022, 12, 583.	2.5	7
2	A PROMETHEE Multiple-Criteria Approach to Combined Seismic and Flood Risk Assessment at the Regional Scale. Applied Sciences (Switzerland), 2022, 12, 1527.	2.5	8
3	Seismic Risk Assessment of Urban Areas by a Hybrid Empirical-Analytical Procedure Based on Peak Ground Acceleration. Applied Sciences (Switzerland), 2022, 12, 3585.	2.5	2
4	Shake Table Testing of Two Historical Masonry Structures for Estimation of Their Seismic Stability. International Journal of Architectural Heritage, 2021, 15, 45-63.	3.1	6
5	Numerical Simulation of the Ancient Protiron Structure Model Exposed to Seismic Loading. International Journal of Architectural Heritage, 2021, 15, 779-789.	3.1	4
6	Seismic Vulnerability Assessment of Historical Masonry Buildings in Croatian Coastal Area. Applied Sciences (Switzerland), 2021, 11, 5997.	2.5	11
7	Modelling of the Influence of Metal Connectors on the Resistance of Historical Dry-Stone Masonry Structures. International Journal of Architectural Heritage, 2020, 14, 1468-1483.	3.1	6
8	Structural applications of the combined finite-“discrete element method. Computational Particle Mechanics, 2020, 7, 1029-1046.	3.0	35
9	Discrete softening-damage model for fracture process representation with embedded strong discontinuities. Engineering Fracture Mechanics, 2020, 236, 107211.	4.3	11
10	Experimental investigation of seismic behaviour of the ancient Protiron monument model. Earthquake Engineering and Structural Dynamics, 2019, 48, 573-593.	4.4	18
11	Numerical simulation of reinforced concrete structures under impact loading. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 599-610.	0.9	3
12	Three-Dimensional Finite-Discrete Element Framework for the Fracturing of Reinforced Concrete Structures. Tehnicki Vjesnik, 2019, 26, .	0.2	0
13	Numerical analysis of 3D dry-stone masonry structures by combined finite-discrete element method. International Journal of Solids and Structures, 2018, 136-137, 150-167.	2.7	60
14	Crack propagation in dynamics by embedded strong discontinuity approach: Enhanced solid versus discrete lattice model. Computer Methods in Applied Mechanics and Engineering, 2018, 340, 480-499.	6.6	48
15	Shaking table test of scaled model of Protiron dry stone masonry structure. Procedia Engineering, 2017, 199, 3386-3391.	1.2	6
16	Numerical modelling of reinforced-“concrete structures under seismic loading based on the finite element method with discrete inter-“element cracks. Earthquake Engineering and Structural Dynamics, 2017, 46, 159-178.	4.4	16
17	Numerical analysis of masonry structures by finite-discrete element model. International Journal of Masonry Research and Innovation, 2016, 1, 330.	0.4	3
18	Stability of rigid blocks exposed to single-pulse excitation. Acta Mechanica, 2016, 227, 1671-1684.	2.1	4

#	ARTICLE	IF	CITATIONS
19	FINITE-DISCRETE NUMERICAL MODELLING OF REINFORCED CONCRETE STRUCTURES. , 2016, , .		0
20	Numerical analysis of masonry structures by finite-discrete element model. International Journal of Masonry Research and Innovation, 2016, 1, 330.	0.4	0
21	A combined finiteâ€“discrete numerical model for analysis of masonry structures. Engineering Fracture Mechanics, 2015, 136, 1-14.	4.3	36
22	A finite-discrete element model for dry stone masonry structures strengthened with steel clamps and bolts. Engineering Structures, 2015, 90, 117-129.	5.3	32
23	Computational aspects of the combined finiteâ€“discrete element method in modelling of plane reinforced concrete structures. Engineering Fracture Mechanics, 2014, 131, 669-686.	4.3	22
24	A combined finite-discrete element model for RC structures under dynamic loading. Engineering Computations, 2013, 30, 982-1010.	1.4	26
25	A combined finite-discrete element analysis of dry stone masonry structures. Engineering Structures, 2013, 52, 89-100.	5.3	93
26	Modified Mohrâ€“Coulomb â€“ Rankine material model for concrete. Engineering Computations, 2011, 28, 853-887.	1.4	12
27	Designing aspects of bridges placed in active seismic areas. WIT Transactions on the Built Environment, 2007, , .	0.0	0
28	Some aspects of 2D and/or 3D numerical modelling of reinforced and prestressed concrete structures. Engineering Computations, 2005, 22, 684-710.	1.4	4
29	Finite element solution improved by full clamping element functions. Engineering Computations, 2001, 18, 786-801.	1.4	1
30	Nonâ€“linear finite element analysis of postâ€“tensioned concrete structures. Engineering Computations, 1997, 14, 509-528.	1.4	6