Zeljana Nikolic

List of Publications by Year
in descending order

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30 papers	480 citations	840776 11 h-index	713466 21 g-index
30 all docs	30 docs citations	30 times ranked	297 citing authors

#	Article	IF	Citations
1	A combined finite-discrete element analysis of dry stone masonry structures. Engineering Structures, 2013, 52, 89-100.	5.3	93
2	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
3	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
4	A combined finiteâ€“discrete numerical model for analysis of masonry structures. Engineering Fracture Mechanics, 2015, 136, 1-14.	4.3	36
5	Structural applications of the combined finiteâ€“discrete element method. Computational Particle Mechanics, 2020, 7, 1029-1046.	3.0	35
6	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
7	A combined finite-discrete element model for RC structures under dynamic loading. Engineering Computations, 2013, 30, 982-1010.	1.4	26
8	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
9	Experimental investigation of seismic behaviour of the ancient Protiron monument model. Earthquake Engineering and Structural Dynamics, 2019, 48, 573-593.	4.4	18
10	Numerical modelling of reinforcedâ€concrete structures under seismic loading based on the finite element method with discrete interâ€element cracks. Earthquake Engineering and Structural Dynamics, 2017, 46, 159-178.	4.4	16
11	Modified Mohrâ€Coulomb â€“ Rankine material model for concrete. Engineering Computations, 2011, 28, 853-887.	1.4	12
12	Seismic Vulnerability Assessment of Historical Masonry Buildings in Croatian Coastal Area. Applied Sciences (Switzerland), 2021, 11, 5997.	2.5	11
13	Discrete softening-damage model for fracture process representation with embedded strong discontinuities. Engineering Fracture Mechanics, 2020, 236, 107211.	4.3	11
14	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
15	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
16	Nonâ€linear finite element analysis of postâ€tensioned concrete structures. Engineering Computations, 1997, 14, 509-528.	1.4	6
17	Shaking table test of scaled model of Protiron dry stone masonry structure. Procedia Engineering, 2017, 199, 3386-3391.	1.2	6
18	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

#	Article	IF	Citations
19	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
20	Some aspects of 2D and/or 3D numerical modelling of reinforced and prestressed concrete structures. Engineering Computations, 2005, 22, 684-710.	1.4	4
21	Stability of rigid blocks exposed to single-pulse excitation. Acta Mechanica, 2016, 227, 1671-1684.	2.1	4
22	Numerical Simulation of the Ancient Protiron Structure Model Exposed to Seismic Loading. International Journal of Architectural Heritage, 2021, 15, 779-789.	3.1	4
23	Numerical analysis of masonry structures by finite-discrete element model. International Journal of Masonry Research and Innovation, 2016, 1, 330.	0.4	3
24	Numerical simulation of reinforced concrete structures under impact loading. Materialwissenschaft Und Werkstofftechnik, 2019, 50, 599-610.	0.9	3
25	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
26	Finite element solution improved by full clamping element functions. Engineering Computations, 2001, 18, 786-801.	1.4	1
27	Three-Dimensional Finite-Discrete Element Framework for the Fracturing of Reinforced Concrete Structures. Tehnicki Vjesnik, 2019, 26, .	0.2	0
28	Designing aspects of bridges placed in active seismic areas. WIT Transactions on the Built Environment, 2007, , .	0.0	0
29	FINITE-DISCRETE NUMERICAL MODELLING OF REINFORCED CONCRETE STRUCTURES. , 2016, , .		0
30	Numerical analysis of masonry structures by finite-discrete element model. International Journal of Masonry Research and Innovation, 2016, 1, 330.	0.4	0