

Dimitrios M Cotsovos

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,194
citations

471061

17
h-index

377514

34
g-index

42
all docs

42
docs citations

42
times ranked

798
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical micromodeling of infilled frames: State of the art. <i>Engineering Structures</i> , 2013, 56, 1905-1921.	2.6	189
2	Numerical investigation of concrete subjected to compressive impact loading. Part 1: A fundamental explanation for the apparent strength gain at high loading rates. <i>Computers and Structures</i> , 2008, 86, 145-163.	2.4	102
3	A simplified approach for assessing the load-carrying capacity of reinforced concrete beams under concentrated load applied at high rates. <i>International Journal of Impact Engineering</i> , 2010, 37, 907-917.	2.4	99
4	Numerical investigation of concrete subjected to high rates of uniaxial tensile loading. <i>International Journal of Impact Engineering</i> , 2008, 35, 319-335.	2.4	97
5	Behavior of RC Beams Subjected to High Rates of Concentrated Loading. <i>Journal of Structural Engineering</i> , 2008, 134, 1839-1851.	1.7	93
6	Seismic response of steel fibre reinforced concrete beam-column joints. <i>Engineering Structures</i> , 2014, 59, 261-283.	2.6	66
7	Mechanical properties of soilcrete mixtures modified with metakaolin. <i>Construction and Building Materials</i> , 2013, 47, 1026-1036.	3.2	56
8	Numerical investigation of concrete subjected to compressive impact loading. Part 2: Parametric investigation of factors affecting behaviour at high loading rates. <i>Computers and Structures</i> , 2008, 86, 164-180.	2.4	55
9	Assessment of RC exterior beam-column joints based on artificial neural networks and other methods. <i>Engineering Structures</i> , 2017, 144, 1-18.	2.6	32
10	Overturning instability of a two-rigid block system under ground excitation. <i>ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik</i> , 2012, 92, 536-557.	0.9	28
11	Numerical Investigation of the Effect of Infill Walls on the Structural Response of RC Frames. <i>Open Construction and Building Technology Journal</i> , 2012, 6, 164-181.	0.3	28
12	Out-of-plane behaviour of masonry specimens strengthened with ECC under impact loading. <i>Engineering Structures</i> , 2018, 173, 1002-1018.	2.6	27
13	Seismic fragility analysis of shear-critical concrete columns considering corrosion induced deterioration effects. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 134, 106165.	1.9	25
14	Assessing the accuracy of RC design code predictions through the use of artificial neural networks. <i>International Journal of Advanced Structural Engineering</i> , 2018, 10, 349-365.	1.3	22
15	Static and dynamic tests on steel joints equipped with novel structural details for progressive collapse mitigation. <i>Engineering Structures</i> , 2021, 232, 111829.	2.6	22
16	Cracking of RC beam/column joints: Implications for the analysis of frame-type structures. <i>Engineering Structures</i> , 2013, 52, 131-139.	2.6	19
17	Structural response of RC wide beams under low-rate and impact loading. <i>Magazine of Concrete Research</i> , 2010, 62, 723-740.	0.9	18
18	Modelling the out-of-plane behaviour of masonry walls retrofitted with engineered cementitious composites. <i>Computers and Structures</i> , 2018, 201, 58-79.	2.4	18

#	ARTICLE	IF	CITATIONS
19	Analytical modeling of corroded RC columns considering flexure-shear interaction for seismic performance assessment. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 2165-2190.	2.3	18
20	Seismic behaviour of RC walls: an attempt to reduce reinforcement congestion. <i>Magazine of Concrete Research</i> , 2011, 63, 235-246.	0.9	17
21	A simplified finite element model for assessing steel fibre reinforced concrete structural performance. <i>Computers and Structures</i> , 2016, 173, 31-49.	2.4	17
22	Numerical investigation of RC structural walls subjected to cyclic loading. <i>Computers and Concrete</i> , 2005, 2, 215-238.	0.7	16
23	Shear failure criterion for RC T-beams. <i>Engineering Structures</i> , 2018, 160, 44-55.	2.6	14
24	Framework for the development of artificial neural networks for predicting the load carrying capacity of RC members. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	14
25	Simplified FE model for RC structures under earthquakes. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2006, 159, 87-102.	0.4	12
26	Modelling of RC beams under impact loading. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2012, 165, 77-94.	0.4	11
27	Characteristic features of concrete behaviour: Implications for the development of an engineering finite-element tool. <i>Computers and Concrete</i> , 2008, 5, 243-260.	0.7	11
28	Reappraisal of methods for calculating flexural capacity of reinforced concrete members. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2020, 173, 279-290.	0.4	8
29	Drop-weight testing of slender reinforced concrete beams. <i>Structural Concrete</i> , 2021, 22, 2070-2088.	1.5	8
30	Reinforced jet-grouted piles. Part 1: analysis and design. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2010, 163, 299-308.	0.4	7
31	Neural Network-Based Prediction: The Case of Reinforced Concrete Members under Simple and Complex Loading. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4975.	1.3	7
32	Seismic design of structural concrete walls: an attempt to reduce reinforcement congestion. <i>Magazine of Concrete Research</i> , 2007, 59, 627-637.	0.9	6
33	Reinforced jet-grouted piles. Part 2: materials and tolerances. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2010, 163, 309-315.	0.4	6
34	Pressure-impulse diagram method – a fundamental review. <i>Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics</i> , 2019, 172, 55-69.	0.4	5
35	Reliability analysis of models for predicting T-beam response at ultimate limit response. <i>Proceedings of the Institution of Civil Engineers: Structures and Buildings</i> , 2023, 176, 28-50.	0.4	5
36	Parameters affecting the behaviour of steel pipes under impact loading. <i>International Journal of Pressure Vessels and Piping</i> , 2020, 187, 104152.	1.2	4

#	ARTICLE	IF	CITATIONS
37	Non-linear analysis of statically indeterminate SFRC columns. <i>Structural Concrete</i> , 2014, 15, 94-105.	1.5	3
38	Enhancing the out-of-plane behaviour of unreinforced masonry walls under impact loading through the use of partially bonded layers of engineered cementitious composite. <i>International Journal of Protective Structures</i> , 2020, 11, 209-234.	1.4	3
39	Extended P-I diagram method. <i>Engineering Structures</i> , 2020, 224, 111217.	2.6	3
40	Design for earthquake-resistant reinforced concrete structural walls. <i>Meccanica</i> , 2015, 50, 295-309.	1.2	2
41	Statically-Indeterminate SFRC Columns under Cyclic Loads. <i>Advances in Structural Engineering</i> , 2014, 17, 1403-1417.	1.2	1
42	Assessing the Behaviour of Subsea Pipes Under Impact. , 2016, , .		0