

Dimitrios M Cotsovos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5869169/publications.pdf>

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	Reliability analysis of models for predicting T-beam response at ultimate limit response. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2023, 176, 28-50.	0.4	5
2	Static and dynamic tests on steel joints equipped with novel structural details for progressive collapse mitigation. Engineering Structures, 2021, 232, 111829.	2.6	22
3	Neural Network-Based Prediction: The Case of Reinforced Concrete Members under Simple and Complex Loading. Applied Sciences (Switzerland), 2021, 11, 4975.	1.3	7
4	Drop-weight testing of slender reinforced concrete beams. Structural Concrete, 2021, 22, 2070-2088.	1.5	8
5	Reappraisal of methods for calculating flexural capacity of reinforced concrete members. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2020, 173, 279-290.	0.4	8
6	Enhancing the out-of-plane behaviour of unreinforced masonry walls under impact loading through the use of partially bonded layers of engineered cementitious composite. International Journal of Protective Structures, 2020, 11, 209-234.	1.4	3
7	Analytical modeling of corroded RC columns considering flexure-shear interaction for seismic performance assessment. Bulletin of Earthquake Engineering, 2020, 18, 2165-2190.	2.3	18
8	Parameters affecting the behaviour of steel pipes under impact loading. International Journal of Pressure Vessels and Piping, 2020, 187, 104152.	1.2	4
9	Extended P-I diagram method. Engineering Structures, 2020, 224, 111217.	2.6	3
10	Framework for the development of artificial neural networks for predicting the load carrying capacity of RC members. SN Applied Sciences, 2020, 2, 1.	1.5	14
11	Seismic fragility analysis of shear-critical concrete columns considering corrosion induced deterioration effects. Soil Dynamics and Earthquake Engineering, 2020, 134, 106165.	1.9	25
12	Pressure-impulse diagram method – a fundamental review. Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics, 2019, 172, 55-69.	0.4	5
13	Shear failure criterion for RC T-beams. Engineering Structures, 2018, 160, 44-55.	2.6	14
14	Modelling the out-of-plane behaviour of masonry walls retrofitted with engineered cementitious composites. Computers and Structures, 2018, 201, 58-79.	2.4	18
15	Assessing the accuracy of RC design code predictions through the use of artificial neural networks. International Journal of Advanced Structural Engineering, 2018, 10, 349-365.	1.3	22
16	Out-of-plane behaviour of masonry specimens strengthened with ECC under impact loading. Engineering Structures, 2018, 173, 1002-1018.	2.6	27
17	Assessment of RC exterior beam-column joints based on artificial neural networks and other methods. Engineering Structures, 2017, 144, 1-18.	2.6	32
18	Assessing the Behaviour of Subsea Pipes Under Impact. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
19	A simplified finite element model for assessing steel fibre reinforced concrete structural performance. Computers and Structures, 2016, 173, 31-49.	2.4	17
20	Design for earthquake-resistant reinforced concrete structural walls. Meccanica, 2015, 50, 295-309.	1.2	2
21	Non-linear analysis of statically indeterminate SFRC columns. Structural Concrete, 2014, 15, 94-105.	1.5	3
22	Seismic response of steel fibre reinforced concrete beam-column joints. Engineering Structures, 2014, 59, 261-283.	2.6	66
23	Statically-Indeterminate SFRC Columns under Cyclic Loads. Advances in Structural Engineering, 2014, 17, 1403-1417.	1.2	1
24	Mathematical micromodeling of infilled frames: State of the art. Engineering Structures, 2013, 56, 1905-1921.	2.6	189
25	Mechanical properties of soilcrete mixtures modified with metakaolin. Construction and Building Materials, 2013, 47, 1026-1036.	3.2	56
26	Cracking of RC beam/column joints: Implications for the analysis of frame-type structures. Engineering Structures, 2013, 52, 131-139.	2.6	19
27	Modelling of RC beams under impact loading. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2012, 165, 77-94.	0.4	11
28	Overtuning instability of a two-rigid block system under ground excitation. ZAMM Zeitschrift Fur Angewandte Mathematik Und Mechanik, 2012, 92, 536-557.	0.9	28
29	Numerical Investigation of the Effect of Infill Walls on the Structural Response of RC Frames. Open Construction and Building Technology Journal, 2012, 6, 164-181.	0.3	28
30	Seismic behaviour of RC walls: an attempt to reduce reinforcement congestion. Magazine of Concrete Research, 2011, 63, 235-246.	0.9	17
31	A simplified approach for assessing the load-carrying capacity of reinforced concrete beams under concentrated load applied at high rates. International Journal of Impact Engineering, 2010, 37, 907-917.	2.4	99
32	Structural response of RC wide beams under low-rate and impact loading. Magazine of Concrete Research, 2010, 62, 723-740.	0.9	18
33	Reinforced jet-grouted piles. Part 2: materials and tolerances. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2010, 163, 309-315.	0.4	6
34	Reinforced jet-grouted piles. Part 1: analysis and design. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2010, 163, 299-308.	0.4	7
35	Numerical investigation of concrete subjected to compressive impact loading. Part 1: A fundamental explanation for the apparent strength gain at high loading rates. Computers and Structures, 2008, 86, 145-163.	2.4	102
36	Numerical investigation of concrete subjected to compressive impact loading. Part 2: Parametric investigation of factors affecting behaviour at high loading rates. Computers and Structures, 2008, 86, 164-180.	2.4	55

#	ARTICLE	IF	CITATIONS
37	Numerical investigation of concrete subjected to high rates of uniaxial tensile loading. International Journal of Impact Engineering, 2008, 35, 319-335.	2.4	97
38	Behavior of RC Beams Subjected to High Rates of Concentrated Loading. Journal of Structural Engineering, 2008, 134, 1839-1851.	1.7	93
39	Characteristic features of concrete behaviour: Implications for the development of an engineering finite-element tool. Computers and Concrete, 2008, 5, 243-260.	0.7	11
40	Seismic design of structural concrete walls: an attempt to reduce reinforcement congestion. Magazine of Concrete Research, 2007, 59, 627-637.	0.9	6
41	Simplified FE model for RC structures under earthquakes. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2006, 159, 87-102.	0.4	12
42	Numerical investigation of RC structural walls subjected to cyclic loading. Computers and Concrete, 2005, 2, 215-238.	0.7	16