Panagiotis E Mergos

List of Publications by Year
in descending order

21	365	840728 11	794568 19
papers	citations	h-index	g-index

21	21	21	282
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimum design of reinforced concrete retaining walls with the flower pollination algorithm. Structural and Multidisciplinary Optimization, 2020, 61, 575-585.	3.5	50
2	A gradual spread inelasticity model for R/C beamâ€“columns, accounting for flexure, shear and anchorage slip. Engineering Structures, 2012, 44, 94-106.	5.3	40
3	Seismic damage analysis including inelastic shearâ€“flexure interaction. Bulletin of Earthquake Engineering, 2010, 8, 27-46.	4.1	37
4	Loading protocols for European regions of low to moderate seismicity. Bulletin of Earthquake Engineering, 2014, 12, 2507-2530.	4.1	34
5	Seismic design of reinforced concrete frames for minimum embodied CO 2 emissions. Energy and Buildings, 2018, 162, 177-186.	6.7	31
6	Selection of earthquake ground motions for multiple objectives using genetic algorithms. Engineering Structures, 2019, 187, 414-427.	5.3	26
7	Efficient optimum seismic design of reinforced concrete frames with nonlinear structural analysis procedures. Structural and Multidisciplinary Optimization, 2018, 58, 2565-2581.	3.5	20
8	Optimum seismic design of reinforced concrete frames according to Eurocode 8 and fib Model Code 2010. Earthquake Engineering and Structural Dynamics, 2017, 46, 1181-1201.	4.4	18
9	Flower pollination algorithm parameters tuning. Soft Computing, 2021, 25, 14429-14447.	3.6	17
10	Contribution to sustainable seismic design of reinforced concrete members through embodied <scp>CO₂</scp> emissions optimization. Structural Concrete, 2018, 19, 454-462.	3.1	14
11	Optimum design of 3D reinforced concrete building frames with the flower pollination algorithm. Journal of Building Engineering, 2021, 44, 102935.	3.4	14
12	Estimating fixedâ€end rotations of reinforced concrete members at yielding and ultimate. Structural Concrete, 2015, 16, 537-545.	3.1	13
13	Modelling of R/C members accounting for shear failure localisation: Hysteretic shear model. Earthquake Engineering and Structural Dynamics, 2018, 47, 1722-1741.	4.4	9
14	Modelling of R/C members accounting for shear failure localisation: Finite element model and verification. Earthquake Engineering and Structural Dynamics, 2018, 47, 1631-1650.	4.4	9
15	SHEAR HYSTERESIS MODEL FOR REINFORCED CONCRETE ELEMENTS INCLUDING THE POST-PEAK RANGE. , 2015, , .		8
16	Surrogate-based optimum design of 3D reinforced concrete building frames to Eurocodes. Developments in the Built Environment, 2022, 11, 100079.	4.0	8
17	Displacement-Based Seismic Design of Symmetric Single-Storey Wood-Frame Buildings with the Aid of N2 Method. Frontiers in Built Environment, 2015, 1, .	2.3	6
18	Minimum cost performanceâ€based seismic design of reinforced concrete frames with pushover and nonlinear responseâ€history analysis. Structural Concrete, 2020, 21, 599-609.	3.1	5

#	Article	IF	Citations
19	Flower pollination algorithm with pollinator attraction. Evolutionary Intelligence, 2023, 16, 873-889.	3.6	5
20	Damage Analysis of Reinforced Concrete Structures with Substandard Detailing. Computational Methods in Applied Sciences (Springer), 2013, , 149-176.	0.3	1
21	Analysis of shear-critical reinforced concrete columns under variable axial load. Magazine of Concrete Research, 0, , 1-12.	2.0	0