

# Hosein Naderpour

## List of Publications by Year in descending order

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Version: 2024-02-01

58  
papers

1,315  
citations

489802

18  
h-index

445137

33  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1031  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the damage indices of concrete members reinforced with high-strength steel. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2023, 176, 190-202.	0.4	5
2	Experimental Investigation of Mix Proportions Effects on Roller-Compacted Concrete Properties Using Response Surface Methodology. International Journal of Pavement Research and Technology, 2023, 16, 1021-1046.	1.3	1
3	Collapse Capacity of Ordinary RC Moment Frames Considering Mainshock-Aftershock Effects. Journal of Earthquake Engineering, 2022, 26, 5318-5337.	1.4	5
4	Computational intelligence-based models for estimating the fundamental period of infilled reinforced concrete frames. Journal of Building Engineering, 2022, 46, 103456.	1.6	10
5	Damage Severity Quantification Using Wavelet Packet Transform and Peak Picking Method. Practice Periodical on Structural Design and Construction, 2022, 27, .	0.7	3
6	Earthquake-induced nonlinear dynamic response assessment of structures in terms of discrete wavelet transform. Structures, 2022, 39, 821-847.	1.7	8
7	Transit search: An optimization algorithm based on exoplanet exploration. Results in Control and Optimization, 2022, 7, 100127.	1.3	23
8	Seismic resilience index for RC moment frames of school buildings using neuro-fuzzy approach. Natural Hazards, 2022, 114, 1-26.	1.6	7
9	The Effectiveness of Rubber Bumpers in Reducing the Effects of Earthquake-Induced Pounding between Base-Isolated Buildings. Applied Sciences (Switzerland), 2022, 12, 4971.	1.3	5
10	Recent Trends in Prediction of Concrete Elements Behavior Using Soft Computing (2010â€“2020). Archives of Computational Methods in Engineering, 2021, 28, 3307-3327.	6.0	67
11	Seismic response evaluation of structures using discrete wavelet transform through linear analysis. Structures, 2021, 29, 863-882.	1.7	16
12	High-strength reinforcement effects on the seismic behaviour of beamâ€“column joints. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 2021, 174, 873-884.	0.4	4
13	Innovative Computational Intelligence-Based Model for Vulnerability Assessment of RC Frames Subject to Seismic Sequence. Journal of Structural Engineering, 2021, 147, .	1.7	21
14	Effective Gap Size Index for Determination of Optimum Separation Distance Preventing Pounding between Buildings during Earthquakes. Applied Sciences (Switzerland), 2021, 11, 2322.	1.3	5
15	Probabilistic damage evaluation of base-isolated reinforced concrete structures under near-fault pulse-like bidirectional seismic excitations. Structures, 2021, 32, 1156-1170.	1.7	11
16	A reliability-based approach and code calibration of FRP-Confined rectangular RC columns subjected to concentric loading. Journal of Building Engineering, 2021, 44, 102672.	1.6	1
17	Shear strength estimation of reinforced concrete walls using support vector regression improved by Teachingâ€“learning-based optimization, Particle Swarm optimization, and Harris Hawks Optimization algorithms. Journal of Building Engineering, 2021, 44, 102593.	1.6	23
18	Evaluation and Verification of Finite Element Analytical Models in Reinforced Concrete Members. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 463-480.	1.0	13

#	ARTICLE	IF	CITATIONS
19	A new proposed approach for moment capacity estimation of ferrocement members using Group Method of Data Handling. <i>Engineering Science and Technology, an International Journal</i> , 2020, 23, 382-391.	2.0	41
20	An innovative approach for bond strength modeling in FRP strip-to-concrete joints using adaptive neuro-fuzzy inference system. <i>Engineering With Computers</i> , 2020, 36, 1083-1100.	3.5	36
21	Moment capacity estimation of spirally reinforced concrete columns using ANFIS. <i>Complex &amp; Intelligent Systems</i> , 2020, 6, 97-107.	4.0	26
22	Proposed soft computing models for moment capacity prediction of reinforced concrete columns. <i>Soft Computing</i> , 2020, 24, 11715-11729.	2.1	26
23	Determination of Peak Impact Force for Buildings Exposed to Structural Pounding during Earthquakes. <i>Geosciences (Switzerland)</i> , 2020, 10, 18.	1.0	10
24	Probabilistic evaluation of seismic resilience for typical vital buildings in terms of vulnerability curves. <i>Structures</i> , 2020, 23, 314-323.	1.7	26
25	Shear capacity estimation of FRP-reinforced concrete beams using computational intelligence. <i>Structures</i> , 2020, 28, 321-328.	1.7	38
26	Seismic fragility evaluation of FRP-retrofitted RC frames subjected to mainshock-aftershock records. <i>Structures</i> , 2020, 27, 950-961.	1.7	18
27	Risk Evaluation and Prioritization in Bridge Construction Projects Using System Dynamics Approach. <i>Practice Periodical on Structural Design and Construction</i> , 2020, 25, .	0.7	15
28	A Proposed Soft Computing Model for Ultimate Strength Estimation of FRP-Confined Concrete Cylinders. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 1769.	1.3	19
29	An ANN-Based Approach for Prediction of Sufficient Seismic Gap between Adjacent Buildings Prone to Earthquake-Induced Pounding. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3591.	1.3	6
30	Seismic resilience evaluation of base-isolated RC buildings using a loss-recovery approach. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 5031-5061.	2.3	10
31	Shear strength estimation of reinforced concrete beam-column sub-assemblages using multiple soft computing techniques. <i>Structural Design of Tall and Special Buildings</i> , 2020, 29, e1730.	0.9	10
32	Study on Methods to Control Interstory Deflections. <i>Geosciences (Switzerland)</i> , 2020, 10, 75.	1.0	10
33	Bio-inspired predictive models for shear strength of reinforced concrete beams having steel stirrups. <i>Soft Computing</i> , 2020, 24, 12587-12597.	2.1	23
34	Estimating the compressive strength of eco-friendly concrete incorporating recycled coarse aggregate using neuro-fuzzy approach. <i>Journal of Cleaner Production</i> , 2020, 265, 121886.	4.6	47
35	A novel definition of damage states for structural elements in framed reinforced concrete buildings. <i>Journal of Building Engineering</i> , 2020, 32, 101479.	1.6	8
36	Confinement Coefficient Predictive Modeling of FRP-Confined RC Columns. <i>Advances in Civil Engineering Materials</i> , 2020, 9, 20190145.	0.2	6

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37	Risk Assessment in Bridge Construction Projects in Iran Using Monte Carlo Simulation Technique. Practice Periodical on Structural Design and Construction, 2019, 24, .	0.7	22
38	An investigation into the behavior of special moment frames with high-strength reinforcement subjected to cyclic loading. Journal of Building Engineering, 2019, 26, 100905.	1.6	6
39	Effective Formula for Impact Damping Ratio for Simulation of Earthquake-induced Structural Pounding. Geosciences (Switzerland), 2019, 9, 347.	1.0	9
40	Seismic resilience evaluation based on vulnerability curves for existing and retrofitted typical RC school buildings. Soil Dynamics and Earthquake Engineering, 2019, 127, 105844.	1.9	59
41	Adaptive neuro-fuzzy inference modelling and sensitivity analysis for capacity estimation of fiber reinforced polymer-strengthened circular reinforced concrete columns. Expert Systems, 2019, 36, e12410.	2.9	34
42	Classification of failure modes in ductile and non-ductile concrete joints. Engineering Failure Analysis, 2019, 103, 361-375.	1.8	40
43	Seismic Response of High-Rise Buildings Equipped with Base Isolation and Non-Traditional Tuned Mass Dampers. Applied Sciences (Switzerland), 2019, 9, 1201.	1.3	38
44	Shear Failure Capacity Prediction of Concrete Beam-Column Joints in Terms of ANFIS and GMDH. Practice Periodical on Structural Design and Construction, 2019, 24, .	0.7	46
45	Earthquake-Induced Pounding of Medium-to-High-Rise Base-Isolated Buildings. Applied Sciences (Switzerland), 2019, 9, 4681.	1.3	2
46	A Proposed Model for Axial Strength Estimation of Non-compact and Slender Square CFT Columns. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2019, 43, 131-147.	1.0	17
47	Compressive strength prediction of environmentally friendly concrete using artificial neural networks. Journal of Building Engineering, 2018, 16, 213-219.	1.6	370
48	Shear Strength Prediction of RC Beams Using Adaptive Neuro-Fuzzy Inference System. Scientia Iranica, 2018, .	0.3	13
49	Evaluation of shear strength parameters of granulated waste rubber using artificial neural networks and group method of data handling. Scientia Iranica, 2018, .	0.3	13
50	Soft Computing-based Approach on Capacity Prediction of FRP Strengthened RC Joints. Scientia Iranica, 2018, .	0.3	2
51	Structural Control of RC Buildings Subjected to Near-Fault Ground Motions in terms of Tuned Mass Dampers. Scientia Iranica, 2018, .	0.3	1
52	A probabilistic study on the geometrical design of gravity retaining walls. World Journal of Engineering, 2017, 14, 414-422.	1.0	5
53	Signal processing based damage detection of concrete bridge piers subjected to consequent excitations. Journal of Vibroengineering, 2017, 19, 2080-2089.	0.5	9
54	Compressive Strength of Mortars Admixed with Wollastonite and Microsilica. Materials Science Forum, 0, 890, 415-418.	0.3	12

#	ARTICLE	IF	CITATIONS
55	Prediction of Critical Distance Between Two MDOF Systems Subjected to Seismic Excitation in Terms of Artificial Neural Networks. Periodica Polytechnica: Civil Engineering, 0, , .	0.6	10
56	Seismic Failure Probability and Vulnerability Assessment of Steel-Concrete Composite Structures. Periodica Polytechnica: Civil Engineering, 0, , .	0.6	2
57	Torsion-based layout optimization of shear walls using multi-objective water cycle algorithm. Advances in Structural Engineering, 0, , 136943322110179.	1.2	0
58	Numerical study of reliability index of structures rehabilitated with steel shear wall. Proceedings of the Institution of Civil Engineers: Structures and Buildings, 0, , 1-39.	0.4	2