

Pooya Zakian

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

431
citations

759233

12
h-index

752698

20
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21
all docs

21
docs citations

21
times ranked

333
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal design of steel pipe rack structures using PSO, GWO, and IGWO algorithms. <i>Advances in Structural Engineering</i> , 2021, 24, 2529-2541.	2.4	13
2	Stochastic finite cell method for structural mechanics. <i>Computational Mechanics</i> , 2021, 68, 185-210.	4.0	8
3	Transient wave propagations with the Noh-Bathe scheme and the spectral element method. <i>Computers and Structures</i> , 2021, 254, 106531.	4.4	15
4	Finite cell method for detection of flaws in plate structures using dynamic responses. <i>Structures</i> , 2021, 34, 327-338.	3.6	11
5	Topology optimization of shear wall structures under seismic loading. <i>Earthquake Engineering and Engineering Vibration</i> , 2020, 19, 105-116.	2.3	15
6	Meta-heuristic design optimization of steel moment resisting frames subjected to natural frequency constraints. <i>Advances in Engineering Software</i> , 2019, 135, 102686.	3.8	23
7	A stochastic spectral finite element method for solution of faulting-induced wave propagation in materially random continua without explicitly modeled discontinuities. <i>Computational Mechanics</i> , 2019, 64, 1017-1048.	4.0	17
8	Improved GWO algorithm for optimal design of truss structures. <i>Engineering With Computers</i> , 2018, 34, 685-707.	6.1	83
9	Identification of multiple flaws in 2D structures using dynamic extended spectral finite element method with a universally enhanced meta-heuristic optimizer. <i>Structural and Multidisciplinary Optimization</i> , 2018, 57, 605-623.	3.5	20
10	Economic dispatch of power systems using an adaptive charged system search algorithm. <i>Applied Soft Computing Journal</i> , 2018, 73, 607-622.	7.2	50
11	A stochastic spectral finite element method for wave propagation analyses with medium uncertainties. <i>Applied Mathematical Modelling</i> , 2018, 63, 84-108.	4.2	29
12	Uncertainty analysis of elastostatic problems incorporating a new hybrid stochastic-spectral finite element method. <i>Mechanics of Advanced Materials and Structures</i> , 2017, 24, 1030-1042.	2.6	6
13	A Monte Carlo adapted finite element method for dislocation simulation of faults with uncertain geometry. <i>Journal of Earth System Science</i> , 2017, 126, 1.	1.3	4
14	An efficient stochastic dynamic analysis of soil media using radial basis function artificial neural network. <i>Frontiers of Structural and Civil Engineering</i> , 2017, 11, 470-479.	2.9	9
15	Graph theoretical methods for efficient stochastic finite element analysis of structures. <i>Computers and Structures</i> , 2017, 178, 29-46.	4.4	13
16	A novel stochastic-spectral finite element method for analysis of elastodynamic problems in the time domain. <i>Meccanica</i> , 2016, 51, 893-920.	2.0	19
17	An efficient seismic analysis of regular skeletal structures via graph product rules and canonical forms. <i>Earthquake and Structures</i> , 2016, 10, 25-51.	1.0	6
18	Reduced record method for efficient time history dynamic analysis and optimal design. <i>Earthquake and Structures</i> , 2015, 8, 639-663.	1.0	11

#	ARTICLE	IF	CITATIONS
19	Optimal seismic design of Reinforced Concrete shear wall-frame structures. KSCE Journal of Civil Engineering, 2014, 18, 2181-2190.	1.9	40
20	Optimal design of steel frames under seismic loading using two meta-heuristic algorithms. Journal of Constructional Steel Research, 2013, 82, 111-130.	3.9	39
21	Finite element simulation for elastic dislocation of the North-Tehran fault: The effects of geologic layering and slip distribution for the segment located in Karaj. Frontiers of Structural and Civil Engineering, 0, , .	2.9	0