

Mayank Mishra

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

263
citations

11
h-index

15
g-index

25
ext. papers

402
ext. citations

2.8
avg, IF

4.73
L-index

#	Paper	IF	Citations
24	Structural health monitoring of civil engineering structures by using the internet of things: A review. <i>Journal of Building Engineering</i> , 2022 , 48, 103954	5.2	13
23	Structural Damage Identification in GFRP Composite Plates Using TLBO Algorithm. <i>Lecture Notes in Mechanical Engineering</i> , 2022 , 583-593	0.4	
22	Structural health monitoring of exterior beam-column subassemblies through detailed numerical modelling and using various machine learning techniques. <i>Machine Learning With Applications</i> , 2021 , 100190	6.5	1
21	Machine learning techniques for structural health monitoring of heritage buildings: A state-of-the-art review and case studies. <i>Journal of Cultural Heritage</i> , 2021 , 47, 227-245	2.9	22
20	A comparative study of regression, neural network and neuro-fuzzy inference system for determining the compressive strength of brick-mortar masonry by fusing nondestructive testing data. <i>Engineering With Computers</i> , 2021 , 37, 77-91	4.5	12
19	Vibration-based damage detection of structures employing Bayesian data fusion coupled with TLBO optimization algorithm. <i>Structural and Multidisciplinary Optimization</i> , 2021 , 64, 2243	3.6	8
18	Ant colony optimization for slope stability analysis applied to an embankment failure in eastern India. <i>International Journal of Geo-Engineering</i> , 2020 , 11, 1	2.1	2
17	Predicting the compressive strength of unreinforced brick masonry using machine learning techniques validated on a case study of a museum through nondestructive testing. <i>Journal of Civil Structural Health Monitoring</i> , 2020 , 10, 389-403	2.9	14
16	Performance Studies of 10 Metaheuristic Techniques in Determination of Damages for Large-Scale Spatial Trusses from Changes in Vibration Responses. <i>Journal of Computing in Civil Engineering</i> , 2020 , 34, 04019052	5	19
15	Teaching-learning-based optimisation algorithm and its application in capturing critical slip surface in slope stability analysis. <i>Soft Computing</i> , 2020 , 24, 2969-2982	3.5	15
14	Multiverse Optimisation Algorithm for Capturing the Critical Slip Surface in Slope Stability Analysis. <i>Geotechnical and Geological Engineering</i> , 2020 , 38, 459-474	1.5	15
13	Experimental evaluation of the behaviour of bamboo-reinforced beam-column joints. <i>Innovative Infrastructure Solutions</i> , 2019 , 4, 1	2.3	1
12	Support vector machine for determining the compressive strength of brick-mortar masonry using NDT data fusion (case study: Kharagpur, India). <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	12
11	Neural-network-based approach to predict the deflection of plain, steel-reinforced, and bamboo-reinforced concrete beams from experimental data. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	10
10	Modeling of Landslide-Tunnel Interaction: the Varco d'izzo Case Study. <i>Geotechnical and Geological Engineering</i> , 2019 , 37, 5507-5531	1.5	11
9	Structural health monitoring based on the hybrid ant colony algorithm by using Hooke-Jeeves pattern search. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	13
8	Slope stability analysis using recent metaheuristic techniques: a comprehensive survey. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	7

7	Ant lion optimisation algorithm for structural damage detection using vibration data. <i>Journal of Civil Structural Health Monitoring</i> , 2019 , 9, 117-136	2.9	40
6	LANDSLIDE-PILE-TUNNEL INTERACTION BY 2D AND 3D FINITE ELEMENT MODELLING 2017 ,		3
5	Probabilistic NDT data fusion of Ferroskan test data using Bayesian inference 2016 , 740-744		1
4	Interaction of a Railway Tunnel with a Deep Slow Landslide in Clay Shales. <i>Procedia Earth and Planetary Science</i> , 2016 , 16, 15-24		11
3	A Bayesian approach for NDT data fusion: The Saint Torcato church case study. <i>Engineering Structures</i> , 2015 , 84, 120-129	4.7	27
2	Teaching learning-based optimization algorithm for solving structural damage detection problem in frames via changes in vibration responses. <i>Architecture, Structures and Construction</i> , 1		
1	Coupled flexural torsional analysis and buckling optimization of variable stiffness thin-walled composite beams. <i>Mechanics of Advanced Materials and Structures</i> , 1-21	1.8	6