Mayank Mishra

List of Publications by Citations

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	Ant lion optimisation algorithm for structural damage detection using vibration data. *Journal of Civil Structural Health Monitoring*, **2019**, 9, 117-136	2.9	40
23	A Bayesian approach for NDT data fusion: The Saint Torcato church case study. *Engineering Structures*, **2015**, 84, 120-129	4.7	27
22	Machine learning techniques for structural health monitoring of heritage buildings: A state-of-the-art review and case studies. *Journal of Cultural Heritage*, **2021**, 47, 227-245	2.9	22
21	Performance Studies of 10 Metaheuristic Techniques in Determination of Damages for Large-Scale Spatial Trusses from Changes in Vibration Responses. *Journal of Computing in Civil Engineering*, **2020**, 34, 04019052	5	19
20	Teaching Learning-based optimisation algorithm and its application in capturing critical slip surface in slope stability analysis. *Soft Computing*, **2020**, 24, 2969-2982	3.5	15
19	Multiverse Optimisation Algorithm for Capturing the Critical Slip Surface in Slope Stability Analysis. *Geotechnical and Geological Engineering*, **2020**, 38, 459-474	1.5	15
18	Predicting the compressive strength of unreinforced brick masonry using machine learning techniques validated on a case study of a museum through nondestructive testing. *Journal of Civil Structural Health Monitoring*, **2020**, 10, 389-403	2.9	14
17	Structural health monitoring based on the hybrid ant colony algorithm by using Hooke Jeeves pattern search. *SN Applied Sciences*, **2019**, 1, 1	1.8	13
16	Structural health monitoring of civil engineering structures by using the internet of things: A review. *Journal of Building Engineering*, **2022**, 48, 103954	5.2	13
15	Support vector machine for determining the compressive strength of brick-mortar masonry using NDT data fusion (case study: Kharagpur, India). *SN Applied Sciences*, **2019**, 1, 1	1.8	12
14	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. *Engineering With Computers*, **2021**, 37, 77-91	4.5	12
13	Modeling of Landslide Tunnel Interaction: the Varco d Izzo Case Study. *Geotechnical and Geological Engineering*, **2019**, 37, 5507-5531	1.5	11
12	Interaction of a Railway Tunnel with a Deep Slow Landslide in Clay Shales. *Procedia Earth and Planetary Science*, **2016**, 16, 15-24		11
11	Neural-network-based approach to predict the deflection of plain, steel-reinforced, and bamboo-reinforced concrete beams from experimental data. *SN Applied Sciences*, **2019**, 1, 1	1.8	10
10	Vibration-based damage detection of structures employing Bayesian data fusion coupled with TLBO optimization algorithm. *Structural and Multidisciplinary Optimization*, **2021**, 64, 2243	3.6	8
9	Slope stability analysis using recent metaheuristic techniques: a comprehensive survey. *SN Applied Sciences*, **2019**, 1, 1	1.8	7
8	Coupled flexural torsional analysis and buckling optimization of variable stiffness thin-walled composite beams. *Mechanics of Advanced Materials and Structures*, 1-21	1.8	6

LIST OF PUBLICATIONS

7	LANDSLIDE-PILE-TUNNEL INTERACTION BY 2D AND 3D FINITE ELEMENT MODELLING **2017**,		3
6	Ant colony optimization for slope stability analysis applied to an embankment failure in eastern India. *International Journal of Geo-Engineering*, **2020**, 11, 1	2.1	2
5	Experimental evaluation of the behaviour of bamboo-reinforced beam-column joints. *Innovative Infrastructure Solutions*, **2019**, 4, 1	2.3	1
4	Probabilistic NDT data fusion of Ferroscan test data using Bayesian inference **2016**, 740-744		1
3	Structural health monitoring of exterior beam-column subassemblies through detailed numerical modelling and using various machine learning techniques. *Machine Learning With Applications*, **2021**, 100190	6.5	1
2	Teaching-Learning-based optimization algorithm for solving structural damage detection problem in frames via changes in vibration responses. *Architecture, Structures and Construction*, 1		
1	Structural Damage Identification in GFRP Composite Plates Using TLBO Algorithm. *Lecture Notes in Mechanical Engineering*, **2022**, 583-593	0.4	