

Hoang-Nam Nguyen

List of Publications by Citations

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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.

21
papers

224
citations

10
h-index

14
g-index

24
ext. papers

337
ext. citations

2.1
avg, IF

3.59
L-index

#	Paper	IF	Citations
21	An Automatic Approach for Accurate Edge Detection of Concrete Crack Utilizing 2D Geometric Features of Crack. <i>Journal of Signal Processing Systems</i> , 2014 , 77, 221-240	1.4	37
20	Smart Agriculture Using IoT Multi-Sensors: A Novel Watering Management System. <i>Journal of Sensor and Actuator Networks</i> , 2019 , 8, 45	3.8	33
19	Research on the Buckling Behavior of Functionally Graded Plates with Stiffeners Based on the Third-Order Shear Deformation Theory. <i>Materials</i> , 2019 , 12,	3.5	20
18	Waste Management System Using IoT-Based Machine Learning in University. <i>Wireless Communications and Mobile Computing</i> , 2020 , 2020, 1-13	1.9	18
17	A Refined Simple First-Order Shear Deformation Theory for Static Bending and Free Vibration Analysis of Advanced Composite Plates. <i>Materials</i> , 2019 , 12,	3.5	17
16	A Finite Element Model for Dynamic Analysis of Triple-Layer Composite Plates with Layers Connected by Shear Connectors Subjected to Moving Load. <i>Materials</i> , 2019 , 12,	3.5	15
15	Forced Vibration Analysis of Laminated Composite Shells Reinforced with Graphene Nanoplatelets Using Finite Element Method. <i>Advances in Civil Engineering</i> , 2020 , 2020, 1-17	1.3	14
14	Designing Efficient Smart Home Management with IoT Smart Lighting: A Case Study. <i>Wireless Communications and Mobile Computing</i> , 2020 , 2020, 1-18	1.9	13
13	On the Development of Refined Plate Theory for Static Bending Behavior of Functionally Graded Plates. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-13	1.1	11
12	An Efficient Beam Element Based on Quasi-3D Theory for Static Bending Analysis of Functionally Graded Beams. <i>Materials</i> , 2019 , 12,	3.5	11
11	Finite Element Modelling of a Composite Shell with Shear Connectors. <i>Symmetry</i> , 2019 , 11, 527	2.7	7
10	Improved Genetic Algorithm Tuning Controller Design for Autonomous Hovercraft. <i>Processes</i> , 2020 , 8, 66	2.9	7
9	A High-Performance Stochastic Fractal Search Algorithm for Optimal Generation Dispatch Problem. <i>Energies</i> , 2019 , 12, 1796	3.1	6
8	Free Vibration Analysis of Functionally Graded Shells Using an Edge-Based Smoothed Finite Element Method. <i>Symmetry</i> , 2019 , 11, 684	2.7	5
7	Simulation and Experimental Study of a Single Fixed-Bed Model of Nitrogen Gas Generator Working by Pressure Swing Adsorption. <i>Processes</i> , 2019 , 7, 654	2.9	3
6	A novel automatic concrete surface crack identification using isotropic undecimated wavelet transform 2012 ,		3
5	Automatic Measurement of Concrete Crack Width in 2D Multiple-phase Images for Building Safety Evaluation. <i>Lecture Notes in Computer Science</i> , 2018 , 638-648	0.9	2

4	Wireless sensor networks and machine learning meet climate change prediction. <i>International Journal of Communication Systems</i> , 2021 , 34, e4687	1.7	1
3	A New Adaptive B-spline VFC Snake for Object Contour Extraction. <i>Lecture Notes in Computer Science</i> , 2010 , 29-36	0.9	
2	Kinetic Analysis of the Thermal Decomposition of Polymer-Bonded Explosive Based on PETN: Model-Fitting Method and Isoconversional Method. <i>Advances in Materials Science and Engineering</i> , 2020 , 2020, 1-12	1.5	
1	A Novel Method of Automatic Crack Detection Utilizing Non-linear Relaxation Method and Crack Geometric Features for Safety Evaluation of Concrete Structure. <i>Lecture Notes in Computer Science</i> , 2018 , 79-91	0.9	