

Hoang-Nam Nguyen

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

492
citations

840585

11
h-index

839398

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all docs

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docs citations

24
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Smart Agriculture Using IoT Multi-Sensors: A Novel Watering Management System. <i>Journal of Sensor and Actuator Networks</i> , 2019, 8, 45.	2.3	88
2	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	64
3	Waste Management System Using IoT-Based Machine Learning in University. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-13.	0.8	52
4	Research on the Buckling Behavior of Functionally Graded Plates with Stiffeners Based on the Third-Order Shear Deformation Theory. <i>Materials</i> , 2019, 12, 1262.	1.3	43
5	A Refined Simple First-Order Shear Deformation Theory for Static Bending and Free Vibration Analysis of Advanced Composite Plates. <i>Materials</i> , 2019, 12, 2385.	1.3	33
6	Designing Efficient Smart Home Management with IoT Smart Lighting: A Case Study. <i>Wireless Communications and Mobile Computing</i> , 2020, 2020, 1-18.	0.8	33
7	An Efficient Beam Element Based on Quasi-3D Theory for Static Bending Analysis of Functionally Graded Beams. <i>Materials</i> , 2019, 12, 2198.	1.3	28
8	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, 598.	1.3	26
9	Finite Element Modelling of a Composite Shell with Shear Connectors. <i>Symmetry</i> , 2019, 11, 527.	1.1	24
10	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.	0.6	24
11	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.	0.4	23
12	Improved Genetic Algorithm Tuning Controller Design for Autonomous Hovercraft. <i>Processes</i> , 2020, 8, 66.	1.3	11
13	A High-Performance Stochastic Fractal Search Algorithm for Optimal Generation Dispatch Problem. <i>Energies</i> , 2019, 12, 1796.	1.6	9
14	Free Vibration Analysis of Functionally Graded Shells Using an Edge-Based Smoothed Finite Element Method. <i>Symmetry</i> , 2019, 11, 684.	1.1	8
15	A novel automatic concrete surface crack identification using isotropic undecimated wavelet transform. , 2012, , .		7
16	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.	1.3	5
17	Wireless sensor networks and machine learning meet climate change prediction. <i>International Journal of Communication Systems</i> , 2021, 34, e4687.	1.6	5
18	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.	1.0	4

#	ARTICLE	IF	CITATIONS
19	Real Time Tracking Multiple YUV 24-Bit Color Objects with 8-Bit MCU-Based Embedded Vision System. , 2009, , .		2
20	Object contour extraction using adaptive NURBS VFC active contour. , 2011, , .		2
21	DEFORMABLE MODEL USING RADIAL BASIS FUNCTIONS BASED LEVEL SET INTERPOLATION WITH AN ELLIPSE CONSTRAINT. International Journal of Electronic Commerce Studies, 2014, 5, 247-256.	0.8	1
22	A Novel Method of Automatic Crack Detection Utilizing Non-linear Relaxation Method and Crack Geometric Features for Safety Evaluation of Concrete Structure. Lecture Notes in Computer Science, 2018, , 79-91.	1.0	0
23	Kinetic Analysis of the Thermal Decomposition of Polymer-Bonded Explosive Based on PETN: Model-Fitting Method and Isoconversional Method. Advances in Materials Science and Engineering, 2020, 2020, 1-12.	1.0	0
24	A New Adaptive B-spline VFC Snake for Object Contour Extraction. Lecture Notes in Computer Science, 2010, , 29-36.	1.0	0