

# Trung Nguyen-Thoi

## List of Publications by Year in descending order

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162  
papers

4,762  
citations

73894

38  
h-index

126327

57  
g-index

164  
all docs

164  
docs citations

164  
times ranked

3722  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling and Analysis of Multilayer Porous FG-GPRC Plates Using Zigzag Function and Cell-Based Smoothed-Discrete Shear Gap Method. <i>International Journal of Computational Methods</i> , 2025, 22, .	2.0	0
2	A novel closed-form solution for circular tunnels in cohesive-frictional soils using isogeometric analysis, upper bound limit analysis, and soft computing. <i>Computers and Geotechnics</i> , 2025, 180, 107104.	5.8	0
3	A multi-field coupled data-driven surrogate approach for multiphysical damage diagnostic of energy harvesting composite plates. <i>Advances in Engineering Software</i> , 2025, 202, 103871.	6.4	0
4	A multi-physical coupling isogeometric formulation for nonlinear analysis and smart control of laminated CNT-MEE plates. <i>Engineering Analysis With Boundary Elements</i> , 2024, 159, 36-57.	3.8	8
5	A NURBS-based IGA using zig-zag plate theory for nonlinear passive/semi-active damping analysis of laminated FG-CNTRC plates. <i>Engineering Structures</i> , 2024, 300, 117243.	5.7	6
6	Free vibration analysis of functionally graded shallow shells with variable thickness and physical neutral surface effects. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2024, 238, 5793-5807.	1.9	2
7	A local-global optimization approach for maximizing the multiphysics frequency response of laminated functionally graded CNTs reinforced magneto-electro-elastic plates. <i>Advances in Engineering Software</i> , 2024, 190, 103612.	6.4	4
8	Predicting the friction angle of clays using a multi-layer perceptron neural network enhanced by yeo-johnson transformation and coral reefs optimization. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2024, 16, 3982-4003.	8.8	2
9	An extension of composite bending strain MITC3+ scheme in analysis of shell structures reinforced with rib stiffeners. <i>Thin-Walled Structures</i> , 2024, 202, 112062.	5.9	0
10	Hybrid control of laminated FG-CNTRC shell structures using an advanced smoothed finite element approach based on zig-zag theory. <i>Thin-Walled Structures</i> , 2023, 184, 110463.	5.9	9
11	Optimization Design of Laminated Functionally Carbon Nanotube-Reinforced Composite Plates Using Deep Neural Networks and Differential Evolution. <i>International Journal of Computational Methods</i> , 2023, 20, .	2.0	3
12	Flexural-shear deformation theory (FSDT) for modeling of mechanical responses of RC beams strengthened in shear with ETS-FRP bars. <i>Engineering Structures</i> , 2023, 295, 116830.	5.7	1
13	A data-driven based method for damage detection of combining joints and elements of frame structures using noisy incomplete data. <i>Engineering Applications of Artificial Intelligence</i> , 2023, 126, 107160.	8.9	3
14	An electromechanical coupling isogeometric approach using zig-zag function for modeling and smart damping control of multilayer PFG-GPRC plates. <i>Acta Mechanica</i> , 2023, 235, 941-970.	2.4	6
15	Microstructure and inertial effects on natural convection micropolar nanofluid flow about a solid sphere. <i>International Journal of Ambient Energy</i> , 2022, 43, 666-677.	2.8	17
16	Ensemble modeling of landslide susceptibility using random subspace learner and different decision tree classifiers. <i>Geocarto International</i> , 2022, 37, 735-757.	3.8	71
17	Free vibration of functionally graded porous non-uniform thickness annular-nanoplates resting on elastic foundation using ES-MITC3 element. <i>AJ - Alexandria Engineering Journal</i> , 2022, 61, 1788-1802.	7.0	43
18	Bending and hygro-thermo-mechanical vibration analysis of a functionally graded porous sandwich nanoshell resting on elastic foundation. <i>Mechanics of Advanced Materials and Structures</i> , 2022, 29, 5885-5905.	3.8	45

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19	Isogeometric analysis for free vibration of bidirectional functionally graded plates in the fluid medium. <i>Defence Technology</i> , 2022, 18, 1311-1329.	5.0	40
20	Multi-Objective Optimization of Laminated Functionally Graded Carbon Nanotube-Reinforced Composite Plates Using Deep Feedforward Neural Networks-NSGAI Algorithm. <i>International Journal of Computational Methods</i> , 2022, 19, .	2.0	14
21	Effects of partially supported elastic foundation on free vibration of FGP plates using ES-MITC3 elements. <i>Ain Shams Engineering Journal</i> , 2022, 13, 101615.	5.9	34
22	Joint damage detection of structures with noisy data by an effective deep learning framework using autoencoder-convolutional gated recurrent unit. <i>Ocean Engineering</i> , 2022, 243, 110142.	4.9	19
23	Optimization of haulage-truck system performance for ore production in open-pit mines using big data and machine learning-based methods. <i>Resources Policy</i> , 2022, 75, 102522.	9.9	23
24	Analysis and prediction of diaphragm wall deflection induced by deep braced excavations using finite element method and artificial neural network optimized by metaheuristic algorithms. <i>Reliability Engineering and System Safety</i> , 2022, 221, 108335.	11.0	40
25	Analysis and optimal control of smart damping for porous functionally graded magneto-electro-elastic plate using smoothed FEM and metaheuristic algorithm. <i>Engineering Structures</i> , 2022, 259, 114062.	5.7	29
26	A finite element level-set method for stress-based topology optimization of plate structures. <i>Computers and Mathematics With Applications</i> , 2022, 115, 26-40.	2.4	16
27	An effective framework for real-time structural damage detection using one-dimensional convolutional gated recurrent unit neural network and high performance computing. <i>Ocean Engineering</i> , 2022, 253, 111202.	4.9	29
28	Smoothed finite element approach for viscoelastic behaviors of general shell structures. <i>Thin-Walled Structures</i> , 2022, 176, 109323.	5.9	5
29	Multi-objective optimization of the active constrained layer damping for smart damping treatment in magneto-electro-elastic plate structures. <i>International Journal of Mechanics and Materials in Design</i> , 2022, 18, 633-663.	2.5	14
30	Geometrically nonlinear behavior of two-directional functionally graded porous plates with four different materials. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2022, 236, 11008-11023.	1.9	23
31	A smoothed finite element formulation using zig-zag theory for hybrid damping vibration control of laminated functionally graded carbon nanotube reinforced composite plates. <i>Engineering Analysis With Boundary Elements</i> , 2022, 144, 456-474.	3.8	21
32	Ultra-Wide Spectral Bandwidth and Enhanced Absorption in a Metallic Compound Grating Covered by Graphene Monolayer. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021, 27, 1-8.	4.1	6
33	Nonlinear vibration of full-filled fluid corrugated sandwich functionally graded cylindrical shells. <i>JVC/Journal of Vibration and Control</i> , 2021, 27, 1020-1035.	2.4	16
34	Optimization of buckling load for laminated composite plates using adaptive Kriging-improved PSO: A novel hybrid intelligent method. <i>Defence Technology</i> , 2021, 17, 85-99.	5.0	36
35	Static and free vibration analyses of functionally graded porous variable-thickness plates using an edge-based smoothed finite element method. <i>Defence Technology</i> , 2021, 17, 971-986.	5.0	58
36	A two-stage multi-damage detection approach for composite structures using MKECR-Tikhonov regularization iterative method and model updating procedure. <i>Applied Mathematical Modelling</i> , 2021, 90, 114-130.	4.9	25

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37	Ensemble machine learning models based on Reduced Error Pruning Tree for prediction of rainfall-induced landslides. <i>International Journal of Digital Earth</i> , 2021, 14, 575-596.	4.8	40
38	Optimization of Load-Carrying Hierarchical Stiffened Shells: Comparative Survey and Applications of Six Hybrid Heuristic Models. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 4153-4166.	13.2	31
39	Potential efficacy and application of a new statistical meta based-model to predict TBM performance. <i>International Journal of Mining, Reclamation and Environment</i> , 2021, 35, 471-487.	2.7	3
40	Multi-objective optimization of multi-directional functionally graded beams using an effective deep feedforward neural network-SMPSO algorithm. <i>Structural and Multidisciplinary Optimization</i> , 2021, 63, 2889-2918.	3.6	31
41	A comparative study of different dynamic condensation techniques applied to multi-damage identification of FGM and FG-CNTRC plates. <i>Engineering With Computers</i> , 2021, 38, 3951-3975.	4.1	12
42	Novel hybrid machine learning model for predicting shear strength of reinforced concrete shear walls. <i>Engineering With Computers</i> , 2021, 38, 3915-3926.	4.1	19
43	A novel approach for classification of soils based on laboratory tests using Adaboost, Tree and ANN modeling. <i>Transportation Geotechnics</i> , 2021, 27, 100508.	4.8	93
44	Modeling reference evapotranspiration using a novel regression-based method: radial basis M5 model tree. <i>Theoretical and Applied Climatology</i> , 2021, 145, 639-659.	2.4	28
45	Applying nonlocal strain gradient theory to size-dependent analysis of functionally graded carbon nanotube-reinforced composite nanoplates. <i>Applied Mathematical Modelling</i> , 2021, 93, 775-791.	4.9	40
46	Stochastic buckling quantification of laminated composite plates using cell-based smoothed finite elements. <i>Thin-Walled Structures</i> , 2021, 163, 107674.	5.9	27
47	Fourier transform approach to nonperiodic boundary value problems in porous conductive media. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 4864-4885.	3.0	11
48	Accurate Structural Reliability Analysis Using an Improved Line-Sampling-Method-Based Slime Mold Algorithm. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2021, 7, .	1.9	20
49	Multi-phase-field modelling of the elastic and buckling behaviour of laminates with ply cracks. <i>Applied Mathematical Modelling</i> , 2021, 94, 68-86.	4.9	14
50	On the modeling of the annual corrosion rate in main cables of suspension bridges using combined soft computing model and a novel nature-inspired algorithm. <i>Neural Computing and Applications</i> , 2021, 33, 15969-15985.	5.0	37
51	An analytical approach to the nonlinear buckling behavior of axially compressed auxetic-core cylindrical shells with carbon nanotube-reinforced coatings. <i>Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications</i> , 2021, 235, 2254-2265.	1.2	4
52	Prediction of gas yield generated by energy recovery from municipal solid waste using deep neural network and moth-flame optimization algorithm. <i>Journal of Cleaner Production</i> , 2021, 311, 127672.	9.8	31
53	A nonlocal quasi-3D theory for thermal free vibration analysis of functionally graded material nanoplates resting on elastic foundation. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 101170.	5.9	51
54	A new efficient two-stage method for damage localization and quantification in shell structures. <i>Applied Soft Computing Journal</i> , 2021, 108, 107468.	7.1	9

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55	Prediction of the sorption efficiency of heavy metal onto biochar using a robust combination of fuzzy C-means clustering and back-propagation neural network. <i>Journal of Environmental Management</i> , 2021, 293, 112808.	8.3	45
56	An effective damage identification procedure using model updating technique and multi-objective optimization algorithm for structures made of functionally graded materials. <i>Engineering With Computers</i> , 2021, 39, 1229-1247.	4.1	19
57	Simulation of the ultimate conditions of fibre-reinforced polymer confined concrete using hybrid intelligence models. <i>Engineering Failure Analysis</i> , 2021, 128, 105605.	5.1	21
58	Hybrid fitting-numerical method for determining strain-hardening behavior of sheet metals. <i>Mechanics of Materials</i> , 2021, 161, 104031.	3.7	16
59	Characteristics of the flow around four cylinders of various shapes. <i>Ocean Engineering</i> , 2021, 238, 109690.	4.9	13
60	Predicting load capacity of shear walls using SVR-RSM model. <i>Applied Soft Computing Journal</i> , 2021, 112, 107739.	7.1	54
61	Improved Levenberg-Marquardt backpropagation neural network by particle swarm and whale optimization algorithms to predict the deflection of RC beams. <i>Engineering With Computers</i> , 2021, 38, 3847-3869.	4.1	33
62	Dynamic Stability Analysis in Hybrid Nanocomposite Polymer Beams Reinforced by Carbon Fibers and Carbon Nanotubes. <i>Polymers</i> , 2021, 13, 106.	4.7	7
63	Size-dependent analysis of functionally graded carbon nanotube-reinforced composite nanoshells with double curvature based on nonlocal strain gradient theory. <i>Engineering With Computers</i> , 2021, 39, 109-128.	4.1	9
64	Free vibration analysis of nanoplates with auxetic honeycomb core using a new third-order finite element method and nonlocal elasticity theory. <i>Engineering With Computers</i> , 2021, 39, 233-251.	4.1	26
65	Mechanical stability of metal foam cylindrical shells with various porosity distributions. <i>Mechanics of Advanced Materials and Structures</i> , 2020, 27, 295-303.	3.8	37
66	Static and Free Vibration Analyses of Functionally Graded Carbon Nanotube Reinforced Composite Plates using CS-DSG3. <i>International Journal of Computational Methods</i> , 2020, 17, 1850133.	2.0	24
67	Numerical simulation for turbulent flow in a tube with combined swirl flow device considering nanofluid exergy loss. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 542, 122161.	3.0	11
68	Modeling of heat transfer augmentation due to complex-shaped turbulator using nanofluid. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 540, 122465.	3.0	13
69	Solidification inside a clean energy storage unit utilizing phase change material with copper oxide nanoparticles. <i>Journal of Cleaner Production</i> , 2020, 245, 118888.	9.8	151
70	Nanomaterial treatment due to imposing MHD flow considering melting surface heat transfer. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 541, 123036.	3.0	13
71	Numerical study for nanofluid behavior inside a storage finned enclosure involving melting process. <i>Journal of Molecular Liquids</i> , 2020, 297, 111939.	5.1	55
72	Investigation of hybrid nanofluid migration within a porous closed domain. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 551, 123960.	3.0	8

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73	Hybrid nanoparticles migration due to MHD free convection considering radiation effect. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 551, 124042.	3.0	4
74	Energy storage simulation involving NEPCM solidification in appearance of fins. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2020, 544, 123566.	3.0	15
75	Predicting Blast-Induced Ground Vibration in Open-Pit Mines Using Vibration Sensors and Support Vector Regression-Based Optimization Algorithms. <i>Sensors</i> , 2020, 20, 132.	4.0	70
76	A hybrid sufficient performance measure approach to improve robustness and efficiency of reliability-based design optimization. <i>Engineering With Computers</i> , 2020, , .	4.1	45
77	The role of inter-particle friction on rheology and texture of wet granular flows. <i>European Physical Journal E</i> , 2020, 43, .	1.8	5
78	Dynamic Analysis of Functionally Graded Porous Plates Resting on Elastic Foundation Taking into Mass subjected to Moving Loads Using an Edge-Based Smoothed Finite Element Method. <i>Shock and Vibration</i> , 2020, 2020, 1-19.	0.6	23
79	Nonlinear thermomechanical buckling of FG-GRC laminated cylindrical shells stiffened by FG-GRC stiffeners subjected to external pressure. <i>Acta Mechanica</i> , 2020, 231, 5125-5144.	2.4	34
80	A new approach for face detection using the maximum function of probability density functions. <i>Annals of Operations Research</i> , 2020, 312, 99-119.	3.7	8
81	Evaluating and Predicting the Stability of Roadways in Tunnelling and Underground Space Using Artificial Neural Network-Based Particle Swarm Optimization. <i>Tunnelling and Underground Space Technology</i> , 2020, 103, 103517.	6.7	64
82	A finite element formulation using four-unknown incorporating nonlocal theory for bending and free vibration analysis of functionally graded nanoplates resting on elastic medium foundations. <i>Engineering With Computers</i> , 2020, 38, 1465-1490.	4.1	51
83	An ES-MITC3 Finite Element Method Based on Higher-Order Shear Deformation Theory for Static and Free Vibration Analyses of FG Porous Plates Reinforced by GPLs. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-18.	1.3	8
84	Coupling RBF neural network with ensemble learning techniques for landslide susceptibility mapping. <i>Catena</i> , 2020, 195, 104805.	5.5	116
85	A refreshing view of soft computing models for predicting the deflection of reinforced concrete beams. <i>Applied Soft Computing Journal</i> , 2020, 97, 106831.	7.1	37
86	A Finite Element Formulation and Nonlocal Theory for the Static and Free Vibration Analysis of the Sandwich Functionally Graded Nanoplates Resting on Elastic Foundation. <i>Journal of Nanomaterials</i> , 2020, 2020, 1-20.	3.4	48
87	GIS-based ensemble soft computing models for landslide susceptibility mapping. <i>Advances in Space Research</i> , 2020, 66, 1303-1320.	2.8	36
88	Dynamic Analysis of Sandwich Auxetic Honeycomb Plates Subjected to Moving Oscillator Load on Elastic Foundation. <i>Advances in Materials Science and Engineering</i> , 2020, 2020, .	2.0	60
89	Prediction of slope failure in open-pit mines using a novel hybrid artificial intelligence model based on decision tree and evolution algorithm. <i>Scientific Reports</i> , 2020, 10, .	3.7	100
90	An Edge-Based Smoothed Finite Element for Free Vibration Analysis of Functionally Graded Porous (FGP) Plates on Elastic Foundation Taking into Mass (EFTIM). <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-17.	1.3	21

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91	Extreme Learning Machine Based Prediction of Soil Shear Strength: A Sensitivity Analysis Using Monte Carlo Simulations and Feature Backward Elimination. Sustainability, 2020, 12, 2339.	3.4	48
92	Reliability Analysis of FRP-Confined Concrete at Ultimate using Conjugate Search Direction Method. Polymers, 2020, 12, 707.	4.7	17
93	Hybrid intelligent method for fuzzy reliability analysis of corroded X100 steel pipelines. Engineering With Computers, 2020, 37, 2559-2573.	4.1	36
94	Fuzzy reliability analysis of nanocomposite ZnO beams using hybrid analytical-intelligent method. Engineering With Computers, 2020, 37, 2575-2590.	4.1	21
95	Deterministic and reliability-based lightweight design of Timoshenko composite beams. Engineering With Computers, 2020, 37, 2329-2344.	4.1	3
96	A New Analytical Approach for Nonlinear Global Buckling of Spiral Corrugated FG-CNTRC Cylindrical Shells Subjected to Radial Loads. Applied Sciences (Switzerland), 2020, 10, 2600.	2.6	2
97	Nonlinear Buckling Behavior of Spiral Corrugated Sandwich FGM Cylindrical Shells Surrounded by an Elastic Medium. Materials, 2020, 13, 1984.	2.9	9
98	A Novel Hybrid Soft Computing Model Using Random Forest and Particle Swarm Optimization for Estimation of Undrained Shear Strength of Soil. Sustainability, 2020, 12, 2218.	3.4	89
99	Modeling of rock fragmentation by firefly optimization algorithm and boosted generalized additive model. Neural Computing and Applications, 2020, 33, 3503-3519.	5.0	35
100	Nonlinear models based on enhanced Kriging interpolation for prediction of rock joint shear strength. Neural Computing and Applications, 2020, 33, 4205-4215.	5.0	44
101	Estimating Ore Production in Open-pit Mines Using Various Machine Learning Algorithms Based on a Truck-Haulage System and Support of Internet of Things. Natural Resources Research, 2020, 30, 1141-1173.	4.7	20
102	A thermo-mechanical meso-scale lattice model to describe the transient thermal strain and to predict the attenuation of thermo-mechanical properties at elevated temperature up to 800°C of concrete. Fire Safety Journal, 2020, 114, 103011.	3.0	12
103	Developing a novel artificial intelligence model to estimate the capital cost of mining projects using deep neural network-based ant colony optimization algorithm. Resources Policy, 2020, 66, 101604.	9.9	68
104	A Comparative Study of Different Machine Learning Algorithms in Predicting the Content of Ilmenite in Titanium Placer. Applied Sciences (Switzerland), 2020, 10, 635.	2.6	25
105	A Type of Novel Nonlinear Distributions for Improving Significantly the Stiffness of Carbon Nanotube-Reinforced Composite Beams. International Journal of Computational Methods, 2020, 17, 1950057.	2.0	2
106	CVFEM modeling for nanofluid behavior involving non-equilibrium model and Lorentz effect in appearance of radiation. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122154.	3.0	28
107	Simulation of nanomaterial turbulent modeling in appearance of compound swirl device concerning exergy drop. Physica A: Statistical Mechanics and Its Applications, 2019, 534, 122121.	3.0	7
108	Nanoparticle application for heat transfer and irreversibility analysis in an air conditioning unit. Journal of Molecular Liquids, 2019, 292, 111372.	5.1	9

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109	Analysis on the heat storage unit through a Y-shaped fin for solidification of NEPCM. Journal of Molecular Liquids, 2019, 292, 111378.	5.1	38
110	Investigation of nanofluid conduction heat transfer within a triplex tube considering solidification. Journal of Molecular Liquids, 2019, 290, 111232.	5.1	27
111	Simulation of turbulent flow of nanofluid due to existence of new effective turbulator involving entropy generation. Journal of Molecular Liquids, 2019, 291, 111283.	5.1	78
112	SVR-RSM: a hybrid heuristic method for modeling monthly pan evaporation. Environmental Science and Pollution Research, 2019, 26, 35807-35826.	4.4	36
113	Simulation of triplex-tube heat storage including nanoparticles, solidification process. Journal of Molecular Liquids, 2019, 296, 111731.	5.1	16
114	Magnetohydrodynamic nanofluid radiative thermal behavior by means of Darcy law inside a porous media. Scientific Reports, 2019, 9, .	3.7	9
115	On the effective viscoelastic properties of a fractured rock mass. Journal of Applied Geophysics, 2019, 169, 125-133.	2.0	5
116	Steady laminar natural convection of nanofluid under the impact of magnetic field on two-dimensional cavity with radiation. AIP Advances, 2019, 9, .	1.3	16
117	Structural damage assessment with incomplete and noisy modal data using model reduction technique and LAPO algorithm. Structure and Infrastructure Engineering, 2019, 15, 1436-1449.	3.5	33
118	Second Law Analysis of Unsteady MHD Viscous Flow over a Horizontal Stretching Sheet Heated Non-Uniformly in the Presence of Ohmic Heating: Utilization of Gear-Generalized Differential Quadrature Method. Entropy, 2019, 21, 240.	2.1	29
119	An Efficient Hybrid Optimization Approach Using Adaptive Elitist Differential Evolution and Spherical Quadratic Steepest Descent and Its Application for Clustering. Scientific Programming, 2019, 2019, 1-15.	1.4	6
120	A Novel Artificial Intelligence Technique to Estimate the Gross Calorific Value of Coal Based on Meta-Heuristic and Support Vector Regression Algorithms. Applied Sciences (Switzerland), 2019, 9, 4868.	2.6	36
121	Toward a State-of-the-Art of Fly-Rock Prediction Technology in Open-Pit Mines Using EANNs Model. Applied Sciences (Switzerland), 2019, 9, 4554.	2.6	29
122	Closed-form solution for nonlinear buckling analysis of FG-CNTRC cylindrical shells with initial geometric imperfections. European Journal of Mechanics, A/Solids, 2019, 73, 483-491.	3.8	31
123	Damage assessment in plate-like structures using a two-stage method based on modal strain energy change and Jaya algorithm. Inverse Problems in Science and Engineering, 2019, 27, 166-189.	1.4	51
124	An effective optimization-based parameterized interval analysis approach for static structural response with multiple uncertain parameters. Engineering With Computers, 2019, 36, 1889-1902.	4.1	7
125	Prediction of Blast-Induced Ground Vibration in Open-Pit Mines Using a New Technique Based on Imperialist Competitive Algorithm and M5Rules. Natural Resources Research, 2019, 29, 791-806.	4.7	40
126	Prediction of Rock Size Distribution in Mine Bench Blasting Using a Novel Ant Colony Optimization-Based Boosted Regression Tree Technique. Natural Resources Research, 2019, 29, 867-886.	4.7	31

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127	Reliability-based structural design optimization: hybridized conjugate mean value approach. <i>Engineering With Computers</i> , 2019, 37, 381-394.	4.1	65
128	Modal Kinetic Energy Change Ratio-based Damage Assessment of Laminated Composite Beams using Noisy and Incomplete Measurements. <i>Khoa Há»é á»©ng Dá»¥ng</i> , 2019, 3, 452.	0.6	6
129	Damage assessment in truss structures with limited sensors using a two-stage method and model reduction. <i>Applied Soft Computing Journal</i> , 2018, 66, 264-277.	7.1	39
130	An efficient combination of multi-objective evolutionary optimization and reliability analysis for reliability-based design optimization of truss structures. <i>Expert Systems With Applications</i> , 2018, 102, 262-272.	8.8	38
131	An efficient approach for optimal sensor placement and damage identification in laminated composite structures. <i>Advances in Engineering Software</i> , 2018, 119, 48-59.	6.4	61
132	A global single-loop deterministic approach for reliability-based design optimization of truss structures with continuous and discrete design variables. <i>Engineering Optimization</i> , 2018, 50, 2071-2090.	2.7	13
133	Free vibration analysis of corrugated panels using homogenization methods and a cell-based smoothed Mindlin plate element (CS-MIN3). <i>Thin-Walled Structures</i> , 2018, 124, 184-201.	5.9	21
134	A multi-scale homogenization approach for the effective thermal conductivity of dry lime-hemp concrete. <i>Journal of Building Performance Simulation</i> , 2018, 11, 179-189.	2.5	10
135	Efficiency of Jaya algorithm for solving the optimization-based structural damage identification problem based on a hybrid objective function. <i>Engineering Optimization</i> , 2018, 50, 1233-1251.	2.7	99
136	Frequency optimization of laminated functionally graded carbon nanotube reinforced composite quadrilateral plates using smoothed FEM and evolution algorithm. <i>Journal of Composite Materials</i> , 2018, 52, 1971-1986.	2.2	17
137	Static and Free Vibration Analysis of Stiffened Flat Shells by a Cell-Based Smoothed Discrete Shear Gap Method (CS-FEM-DSG3) Using Three-Node Triangular Elements. <i>International Journal of Computational Methods</i> , 2018, 15, 1850056.	2.0	7
138	An isogeometric approach for dynamic response of laminated FG-CNT reinforced composite plates integrated with piezoelectric layers. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 332, 25-46.	7.2	60
139	An Immersed Boundary Proper Generalized Decomposition (IB-PGD) for Fluid-Structure Interaction Problems. <i>International Journal of Computational Methods</i> , 2018, 15, 1850045.	2.0	3
140	Elastic buckling and free vibration analyses of porous-cellular plates with uniform and non-uniform porosity distributions. <i>Aerospace Science and Technology</i> , 2018, 79, 278-287.	5.5	83
141	Static analysis of corrugated panels using homogenization models and a cell-based smoothed mindlin plate element (CS-MIN3). <i>Frontiers of Structural and Civil Engineering</i> , 2018, 13, 251-272.	2.6	16
142	Damage Detection of 2D Frame Structures using Incomplete Measurements by Optimization Procedure and Model Reduction. <i>Khoa Há»é á»©ng Dá»¥ng</i> , 2018, 2, 164.	0.6	25
143	An Extended Cell-Based Smoothed Three-Node Mindlin Plate Element (XCS-MIN3) for Free Vibration Analysis of Cracked FGM Plates. <i>International Journal of Computational Methods</i> , 2017, 14, 1750011.	2.0	22
144	A two-stage assessment method using damage locating vector method and differential evolution algorithm for damage identification of cross-ply laminated composite beams. <i>Advances in Structural Engineering</i> , 2017, 20, 1807-1827.	2.3	27

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145	Static response and free vibration of functionally graded carbon nanotube-reinforced composite rectangular plates resting on Winkler–Pasternak elastic foundations. <i>Aerospace Science and Technology</i> , 2017, 68, 391-402.	5.5	101
146	Modified genetic algorithm-based clustering for probability density functions. <i>Journal of Statistical Computation and Simulation</i> , 2017, 87, 1964-1979.	1.5	22
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