

H Nguyen-xuan

List of Publications by Year in descending order

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282
papers

16,881
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10335

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times ranked

5497
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Parametric Design of Fuel Cell Hybrid Electric Vehicles by Balancing Composite Motion Optimization. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2024, 11, 123-143.	5.0	2
2	An adaptive pseudo-lower bound limit analysis for fracture structures. <i>Theoretical and Applied Fracture Mechanics</i> , 2024, 129, 104203.	4.7	1
3	Design of 3D rotating triply periodic minimal surface (RotTPMS) lattice plates: Meanings of crystalline rotations and porosity. <i>International Journal of Mechanical Sciences</i> , 2024, 270, 109090.	6.8	6
4	An isogeometric analysis of solar panels with a bio-inspired substrate. <i>Engineering Analysis With Boundary Elements</i> , 2024, 166, 105854.	3.7	1
5	Nonlinear thermo-mechanical static stability analysis of FG-TPMS shallow spherical shells. <i>Thin-Walled Structures</i> , 2024, , 112343.	5.3	0
6	Meta-heuristic optimization algorithms for vibration and buckling analysis of laminated composite plates. <i>Engineering Analysis With Boundary Elements</i> , 2024, 169, 105974.	3.7	0
7	A nonlocal strain gradient analysis of laminated composites and sandwich nanoplates using meshfree approach. <i>Engineering With Computers</i> , 2023, 39, 5-21.	5.8	16
8	A hybrid phase-field isogeometric analysis to crack propagation in porous functionally graded structures. <i>Engineering With Computers</i> , 2023, 39, 129-149.	5.8	17
9	A size-dependent isogeometric analysis of laminated composite plates based on the nonlocal strain gradient theory. <i>Engineering With Computers</i> , 2023, 39, 331-345.	5.8	6
10	Strengthening Gradient Descent by Sequential Motion Optimization for Deep Neural Networks. <i>IEEE Transactions on Evolutionary Computation</i> , 2023, 27, 565-579.	11.3	7
11	Nonlocal strain gradient analysis of FG GPLRC nanoscale plates based on isogeometric approach. <i>Engineering With Computers</i> , 2023, 39, 857-866.	5.8	20
12	Vibration and buckling optimization of functionally graded porous microplates using BCMO-ANN algorithm. <i>Thin-Walled Structures</i> , 2023, 182, 110267.	5.3	93
13	Modelling of 3D-printed bio-inspired Bouligand cementitious structures reinforced with steel fibres. <i>Engineering Structures</i> , 2023, 274, 115123.	5.3	17
14	An effective approach for VARANS-VOF modelling interactions of wave and perforated breakwater using gradient boosting decision tree algorithm. <i>Ocean Engineering</i> , 2023, 268, 113398.	4.4	42
15	An isogeometric analysis of functionally graded triply periodic minimal surface microplates. <i>Aerospace Science and Technology</i> , 2023, 137, 108270.	4.8	19
16	Modelling of functionally graded triply periodic minimal surface (FG-TPMS) plates. <i>Composite Structures</i> , 2023, 315, 116981.	5.9	24
17	Flexural properties of porcupine quill-inspired sandwich panels. <i>Bioinspiration and Biomimetics</i> , 2023, 18, 046003.	2.9	2
18	A Pseudo-Lower Bound Solution of Structural Bearing Capacity by BÃ©zier Extraction-Based Isogeometric Analysis. <i>International Journal of Applied Mechanics</i> , 2023, 15, .	2.2	1

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19	A new mixed node-based solid-like finite element method (MNS-FEM) for laminated shell structures. <i>Thin-Walled Structures</i> , 2023, 192, 111126.	5.3	4
20	Robust multiscale design of incompressible multi-materials under loading uncertainties. <i>Engineering With Computers</i> , 2022, 38, 875-890.	5.8	20
21	A quasi-three-dimensional isogeometric model for porous sandwich functionally graded plates reinforced with graphene nanoplatelets. <i>Journal of Sandwich Structures and Materials</i> , 2022, 24, 825-859.	3.4	26
22	A size-dependent isogeometric approach for vibration analysis of FG piezoelectric porous microplates using modified strain gradient theory. <i>Engineering With Computers</i> , 2022, 38, 4415-4435.	5.8	12
23	A modified strain gradient meshfree approach for functionally graded microplates. <i>Engineering With Computers</i> , 2022, 38, 4545-4567.	5.8	11
24	A 3D nano scale IGA for free vibration and buckling analyses of multi-directional FGM nanoshells. <i>Nanotechnology</i> , 2022, 33, 065703.	2.7	9
25	Buckling Analysis of FG GPLRC Plate Using a Naturally Stabilized Nodal Integration Meshfree Method. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 189-202.	1.0	0
26	A Size-Dependent Meshfree Approach for Free Vibration Analysis of Functionally Graded Microplates Using the Modified Strain Gradient Elasticity Theory. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 673-690.	1.0	0
27	Polygonal Finite Element for Two-Dimensional Lid-Driven Cavity Flow. <i>Computers, Materials and Continua</i> , 2022, 70, 4217-4239.	2.0	16
28	Performance of concrete beam reinforced with 3D printed Bioinspired primitive scaffold subjected to three-point bending. <i>Automation in Construction</i> , 2022, 134, 104060.	9.9	50
29	Data-driven geometry-based topology optimization. <i>Structural and Multidisciplinary Optimization</i> , 2022, 65, 1.	3.5	13
30	A semi-empirical approach and uncertainty analysis to pipes under hydrogen embrittlement degradation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5677-5691.	7.1	10
31	Crack propagation in quasi-brittle materials by fourth-order phase-field cohesive zone model. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, 118, 103236.	4.7	32
32	Dynamic Analysis of 3D Solid Structure Using a Consecutive-Interpolation Over Polyhedral Element Mesh. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 1-8.	1.0	1
33	3D concrete printing modelling of thin-walled structures. <i>Structures</i> , 2022, 39, 496-511.	3.6	22
34	Machine learning-based real-time daylight analysis in buildings. <i>Journal of Building Engineering</i> , 2022, 52, 104374.	3.4	13
35	Polygonal composite elements for stress-constrained topology optimization of nearly incompressible materials. <i>European Journal of Mechanics, A/Solids</i> , 2022, 94, 104548.	3.8	5
36	A data-driven machine learning approach for the 3D printing process optimisation. <i>Virtual and Physical Prototyping</i> , 2022, 17, 768-786.	8.6	29

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37	Mechanical and hydrodynamic characteristics of emerged porous Gyroid breakwaters based on triply periodic minimal surfaces. <i>Ocean Engineering</i> , 2022, 254, 111392.	4.4	13
38	An fast Fourier transform-based correlation coefficient approach for structural damage diagnosis. <i>Structural Health Monitoring</i> , 2021, 20, 2360-2375.	7.3	10
39	Equal-Order Polygonal Analysis for Fluid Computation in Curved Domain. <i>International Journal of Computational Methods</i> , 2021, 18, 2040003.	1.3	2
40	A semi-analytical isogeometric analysis for wave dispersion in functionally graded plates immersed in fluids. <i>Acta Mechanica</i> , 2021, 232, 15-32.	2.1	13
41	Numerical study on wave forces and overtopping over various seawall structures using advanced SPH-based method. <i>Engineering Structures</i> , 2021, 226, 111349.	5.3	18
42	Optimal design of an Origami-inspired kinetic facade by balancing composite motion optimization for improving daylight performance and energy efficiency. <i>Energy</i> , 2021, 219, 119557.	8.9	39
43	Cell-based smoothed finite element method for modelling interfacial cracks with non-matching grids. <i>Engineering Fracture Mechanics</i> , 2021, 242, 107476.	4.3	10
44	A three-dimensional solution for free vibration and buckling of annular plate, conical, cylinder and cylindrical shell of FG porous-cellular materials using IGA. <i>Composite Structures</i> , 2021, 259, 113216.	5.9	71
45	A comprehensive analysis of auxetic honeycomb sandwich plates with graphene nanoplatelets reinforcement. <i>Composite Structures</i> , 2021, 259, 113213.	5.9	63
46	A statistical approach for evaluating crack defects in structures under dynamic responses. <i>Nondestructive Testing and Evaluation</i> , 2021, 36, 113-144.	2.1	14
47	Robust adaptive topology optimization of porous infills under loading uncertainties. <i>Structural and Multidisciplinary Optimization</i> , 2021, 63, 2253-2266.	3.5	13
48	The Interaction between Microcapsules with Different Sizes and Propagating Cracks. <i>Computers, Materials and Continua</i> , 2021, 67, 577-593.	2.0	5
49	The convergence rate of a polygonal finite element for Stokes flows on different mesh families. <i>Journal of Physics: Conference Series</i> , 2021, 1777, 012065.	0.4	0
50	Digital design computing and modelling for 3-D concrete printing. <i>Automation in Construction</i> , 2021, 123, 103529.	9.9	53
51	3D printed sandwich beams with bioinspired cores: Mechanical performance and modelling. <i>Thin-Walled Structures</i> , 2021, 161, 107471.	5.3	88
52	Composite structures subjected to underwater explosive loadings: A comprehensive review. <i>Composite Structures</i> , 2021, 263, 113684.	5.9	35
53	Data-driven approach to solve vertical drain under time-dependent loading. <i>Frontiers of Structural and Civil Engineering</i> , 2021, 15, 696-711.	2.8	2
54	Size-dependent nonlocal strain gradient modeling of hexagonal beryllium crystal nanoplates. <i>International Journal of Mechanics and Materials in Design</i> , 2021, 17, 931-945.	3.1	10

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55	A consecutive interpolation polyhedral finite element method for solid structures. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 5692-5717.	2.8	4
56	Scale-dependent nonlocal strain gradient isogeometric analysis of metal foam nanoscale plates with various porosity distributions. <i>Composite Structures</i> , 2021, 268, 113949.	5.9	47
57	Deep learning-based signal processing for evaluating energy dispersal in bridge structures. <i>Journal of Zhejiang University: Science A</i> , 2021, 22, 672-680.	2.4	8
58	Mechanical performance of fractal-like cementitious lightweight cellular structures: Numerical investigations. <i>Composite Structures</i> , 2021, 269, 114050.	5.9	28
59	Semi-analytical IGA-based computation of wave dispersion in fluid-coupled anisotropic poroelastic plates. <i>International Journal of Mechanical Sciences</i> , 2021, 212, 106830.	6.8	7
60	A nonlocal strain gradient isogeometric nonlinear analysis of nanoporous metal foam plates. <i>Engineering Analysis With Boundary Elements</i> , 2021, 130, 58-68.	3.7	37
61	A size dependent meshfree model for functionally graded plates based on the nonlocal strain gradient theory. <i>Composite Structures</i> , 2021, 272, 114169.	5.9	43
62	A three-dimensional multiscale approach to optimal design of porous structures using adaptive geometric components. <i>Composite Structures</i> , 2021, 273, 114296.	5.9	13
63	Wave dispersion analysis of three-dimensional vibroacoustic waveguides with semi-analytical isogeometric method. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 385, 114043.	6.7	9
64	An artificial neural network (ANN) expert system enhanced with the electromagnetism-based firefly algorithm (EFA) for predicting the energy consumption in buildings. <i>Energy</i> , 2020, 190, 116370.	8.9	127
65	Topology optimization of coated structure using moving morphable sandwich bars. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 491-506.	3.5	29
66	An equal-order mixed polygonal finite element for two-dimensional incompressible Stokes flows. <i>European Journal of Mechanics, B/Fluids</i> , 2020, 79, 92-108.	2.6	15
67	A novel data-driven nonlinear solver for solid mechanics using time series forecasting. <i>Finite Elements in Analysis and Design</i> , 2020, 171, 103377.	3.2	26
68	Mechanical performance and fatigue life prediction of lattice structures: Parametric computational approach. <i>Composite Structures</i> , 2020, 235, 111821.	5.9	80
69	Optimal design of FG sandwich nanoplates using size-dependent isogeometric analysis. <i>Mechanics of Materials</i> , 2020, 142, 103277.	3.3	49
70	Polytopal composite finite elements for modeling concrete fracture based on nonlocal damage models. <i>Computational Mechanics</i> , 2020, 66, 1257-1274.	3.9	12
71	Uniaxial and biaxial bioinspired interlocking composite panels subjected to dynamic loadings. <i>Thin-Walled Structures</i> , 2020, 157, 107023.	5.3	15
72	Explicit topology optimization of nearly incompressible materials using polytopal composite elements. <i>Advances in Engineering Software</i> , 2020, 149, 102903.	3.8	10

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73	Three-dimensional topology optimization of auxetic metamaterial using isogeometric analysis and model order reduction. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 371, 113306.	6.7	48
74	Geometrically nonlinear postbuckling behavior of imperfect FG-CNTRC shells under axial compression using isogeometric analysis. <i>European Journal of Mechanics, A/Solids</i> , 2020, 84, 104066.	3.8	34
75	Extruded-geometric-component-based 3D topology optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 371, 113293.	6.7	20
76	Adaptive Concurrent Topology Optimization of Coated Structures with Nonperiodic Infill for Additive Manufacturing. <i>CAD Computer Aided Design</i> , 2020, 129, 102918.	2.8	26
77	Temperature-dependent fatigue modelling of a novel Ni, Bi and Sb containing Sn \approx 3.8Ag \approx 0.7Cu lead-free solder alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 2883-2891.	3.3	6
78	Design of lattice structures with direct multiscale topology optimization. <i>Composite Structures</i> , 2020, 252, 112718.	5.9	51
79	Methodology for DIC-based evaluation of the fracture behaviour of solder materials under monotonic and creep loadings. <i>Engineering Fracture Mechanics</i> , 2020, 239, 107285.	4.3	8
80	Analysis and active control of geometrically nonlinear responses of smart FG porous plates with graphene nanoplatelets reinforcement based on B-splines extraction of NURBS. <i>International Journal of Mechanical Sciences</i> , 2020, 180, 105692.	6.8	47
81	Bioinspired cellular cementitious structures for prefabricated construction: Hybrid design & performance evaluations. <i>Automation in Construction</i> , 2020, 119, 103324.	9.9	54
82	A data-driven approach based on long short-term memory and hidden Markov model for crack propagation prediction. <i>Engineering Fracture Mechanics</i> , 2020, 235, 107085.	4.3	90
83	Non-conforming multipatches for NURBS-based finite element analysis of higher-order phase-field models for brittle fracture. <i>Engineering Fracture Mechanics</i> , 2020, 235, 107133.	4.3	16
84	Material optimization of tri-directional functionally graded plates by using deep neural network and isogeometric multimesh design approach. <i>Applied Mathematical Modelling</i> , 2020, 87, 501-533.	4.3	61
85	A novel computational approach to functionally graded porous plates with graphene platelets reinforcement. <i>Thin-Walled Structures</i> , 2020, 150, 106684.	5.3	77
86	A novel approach based on viscoelastic parameters for bridge health monitoring: A case study of Saigon bridge in Ho Chi Minh City – Vietnam. <i>Mechanical Systems and Signal Processing</i> , 2020, 141, 106728.	8.1	23
87	Fretting Fatigue Damage Nucleation and Propagation Lifetime Using a Central Point Movement of Power Spectral Density. <i>Shock and Vibration</i> , 2020, 2020, 1-16.	0.6	9
88	Balancing composite motion optimization. <i>Information Sciences</i> , 2020, 520, 250-270.	7.1	123
89	Adaptive Concurrent Topology Optimization of Cellular Composites for Additive Manufacturing. <i>Jom</i> , 2020, 72, 2378-2390.	2.2	27
90	A three-variable high order shear deformation theory for isogeometric free vibration, buckling and instability analysis of FG porous plates reinforced by graphene platelets. <i>Composite Structures</i> , 2020, 245, 112321.	5.9	68

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91	Elasto-plastic large deformation analysis of multi-patch thin shells by isogeometric approach. Finite Elements in Analysis and Design, 2020, 173, 103389.	3.2	18
92	A polytree-based adaptive scheme for modeling linear fracture mechanics using a coupled XFEM-SBFEM approach. Engineering Analysis With Boundary Elements, 2020, 115, 72-85.	3.7	13
93	Deep learning for computational structural optimization. ISA Transactions, 2020, 103, 177-191.	6.2	40
94	A polygonal finite element approach for fatigue crack growth analysis of interfacial cracks. Theoretical and Applied Fracture Mechanics, 2020, 108, 102576.	4.7	11
95	Efficient Deep Learning for Gradient-Enhanced Stress Dependent Damage Model. Applied Sciences (Switzerland), 2020, 10, 2556.	2.6	5
96	A numerical investigation on the use of pervious concrete for seawall structures. Ocean Engineering, 2020, 198, 106954.	4.4	9
97	Stabilization for Equal-order Polygonal Finite Element in Incompressible Fluid Flow Computation. Computers, Materials and Continua, 2020, 62, 1109-1123.	2.0	4
98	Implementation aspects of a phase-field approach for brittle fracture. Frontiers of Structural and Civil Engineering, 2019, 13, 417-428.	2.8	4
99	A high-order mixed polygonal finite element for incompressible Stokes flow analysis. Computer Methods in Applied Mechanics and Engineering, 2019, 356, 175-198.	6.7	14
100	Fast evaluation of crack growth path using time series forecasting. Engineering Fracture Mechanics, 2019, 218, 106567.	4.3	28
101	Investigation of thermal and magnetic field effects on the dynamic instability of FG Timoshenko nanobeam employing nonlocal strain gradient theory. International Journal of Mechanical Sciences, 2019, 161-162, 105043.	6.8	33
102	Polytopal composite finite elements. Computer Methods in Applied Mechanics and Engineering, 2019, 355, 405-437.	6.7	47
103	Numerical investigation of novel prefabricated hollow concrete blocks for stepped-type seawall structures. Engineering Structures, 2019, 198, 109558.	5.3	9
104	An isogeometric approach of static and free vibration analyses for porous FG nanoplates. European Journal of Mechanics, A/Solids, 2019, 78, 103851.	3.8	112
105	An isogeometric B-spline finite element analysis for piezoelectric FG porous plates reinforced by graphene platelets. Composite Structures, 2019, 214, 227-245.	5.9	87
106	An extended polygonal finite element method for large deformation fracture analysis. Engineering Fracture Mechanics, 2019, 209, 344-368.	4.3	19
107	NURBS-based postbuckling analysis of functionally graded carbon nanotube-reinforced composite shells. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 983-1003.	6.7	125
108	A simplified Kirchhoff-Love large deformation model for elastic shells and its effective isogeometric formulation. Computer Methods in Applied Mechanics and Engineering, 2019, 354, 369-396.	6.7	58

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109	A novel analysis-prediction approach for geometrically nonlinear problems using group method of data handling. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 354, 506-526.	6.7	64
110	Size-dependent nonlinear analysis and damping responses of FG-CNTRC micro-plates. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 353, 253-276.	6.7	47
111	Active vibration control of GPLs-reinforced FG metal foam plates with piezoelectric sensor and actuator layers. <i>Composites Part B: Engineering</i> , 2019, 172, 769-784.	12.0	101
112	Static and dynamic analyses of three-dimensional hollow concrete block revetments using polyhedral finite element method. <i>Applied Ocean Research</i> , 2019, 88, 15-28.	4.2	6
113	Vibration of cracked functionally graded microplates by the strain gradient theory and extended isogeometric analysis. <i>Engineering Structures</i> , 2019, 187, 251-266.	5.3	37
114	Isothermal aging and shear creep behavior of a novel lead-free solder joint with small additions of Bi, Sb and Ni. <i>Journal of Alloys and Compounds</i> , 2019, 789, 183-192.	5.6	26
115	An isogeometric BÄ©zier finite element method for vibration analysis of functionally graded piezoelectric material porous plates. <i>International Journal of Mechanical Sciences</i> , 2019, 157-158, 165-183.	6.8	81
116	Topology Optimization of an Interlocking Revetment Block. <i>Lecture Notes in Civil Engineering</i> , 2019, , 165-176.	0.0	0
117	A Coupled SPH-FEM for Fluid-Structures Interaction Problem with Free-Surface and Revetment Slope Thin-Walled Structures. <i>Lecture Notes in Civil Engineering</i> , 2019, , 187-201.	0.0	1
118	Size-Dependent Analysis for FG-CNTRC Nanoplates Based on Refined Plate Theory and Modified Couple Stress. <i>Lecture Notes in Civil Engineering</i> , 2019, , 225-237.	0.0	3
119	Numerical Simulations of Precast Thin-Walled Concrete Blocks Forming Coastal Structure. <i>Lecture Notes in Civil Engineering</i> , 2019, , 67-80.	0.0	1
120	A quasi-static nonlinear analysis for assessing the fire resistance of reinforced concrete 3D frames exploiting time-dependent yield surfaces. <i>Computers and Structures</i> , 2019, 212, 327-342.	4.5	12
121	An isogeometric analysis to identify the full flexoelectric complex material properties based on electrical impedance curve. <i>Computers and Structures</i> , 2019, 214, 1-14.	4.5	27
122	A novel hybrid method combining electromagnetism-like mechanism and firefly algorithms for constrained design optimization of discrete truss structures. <i>Computers and Structures</i> , 2019, 212, 20-42.	4.5	67
123	Porosity-dependent nonlinear transient responses of functionally graded nanoplates using isogeometric analysis. <i>Composites Part B: Engineering</i> , 2019, 164, 215-225.	12.0	153
124	Multi-material topology optimization for additive manufacturing using polytree-based adaptive polygonal finite elements. <i>Automation in Construction</i> , 2019, 99, 79-90.	9.9	32
125	Computation of limit and shakedown loads for pressure vessel components using isogeometric analysis based on Lagrange extraction. <i>International Journal of Pressure Vessels and Piping</i> , 2019, 169, 57-70.	2.7	10
126	A mixed edge-based smoothed solid-shell finite element method (MES-FEM) for laminated shell structures. <i>Composite Structures</i> , 2019, 208, 168-179.	5.9	11

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127	A Moving Kriging Interpolation Meshfree Method Based on Naturally Stabilized Nodal Integration Scheme for Plate Analysis. <i>International Journal of Computational Methods</i> , 2019, 16, 1850100.	1.3	10
128	A Correlation Coefficient Approach for Evaluation of Stiffness Degradation of Beams Under Moving Load. <i>Computers, Materials and Continua</i> , 2019, 61, 27-53.	2.0	15
129	Forecasting Damage Mechanics by Deep Learning. <i>Computers, Materials and Continua</i> , 2019, 61, 951-977.	2.0	20
130	Three-Dimensional Analysis of an Innovative Hollow Concrete Block of Interlocking Revetment. <i>Lecture Notes in Civil Engineering</i> , 2019, , 112-122.	0.0	2
131	Isogeometric analysis of size-dependent isotropic and sandwich functionally graded microplates based on modified strain gradient elasticity theory. <i>Composite Structures</i> , 2018, 192, 274-288.	5.9	76
132	Fluid-Structure Interaction Analysis of Revetment Structures—An Overview. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 723-731.	1.0	0
133	Analysis of Fluid-Structures Interaction Problem of Revetment Slope Thin-Walled Structure Using Abaqus. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 917-925.	1.0	2
134	Development of a 3-DOF Haptic Tele-manipulator System Using Magnetorheological Brakes. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 793-805.	1.0	2
135	Bubble-enhanced quadrilateral finite element formulation for nonlinear analysis of geotechnical problems. <i>Underground Space (China)</i> , 2018, 3, 229-242.	7.4	1
136	A moving Kriging meshfree method with naturally stabilized nodal integration for analysis of functionally graded material sandwich plates. <i>Acta Mechanica</i> , 2018, 229, 2997-3023.	2.1	26
137	An isogeometric formulation of the Koiter's theory for buckling and initial post-buckling analysis of composite shells. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 337, 387-410.	6.7	41
138	An efficient size-dependent computational approach for functionally graded isotropic and sandwich microplates based on modified couple stress theory and moving Kriging-based meshfree method. <i>International Journal of Mechanical Sciences</i> , 2018, 142-143, 322-338.	6.8	52
139	Geometrically nonlinear analysis of functionally graded material plates using an improved moving Kriging meshfree method based on a refined plate theory. <i>Composite Structures</i> , 2018, 193, 268-280.	5.9	37
140	Isogeometric analysis of functionally graded carbon nanotube reinforced composite nanoplates using modified couple stress theory. <i>Composite Structures</i> , 2018, 184, 633-649.	5.9	89
141	A polytree-based adaptive polygonal finite element method for multi-material topology optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 332, 712-739.	6.7	63
142	A layerwise C0-type higher order shear deformation theory for laminated composite and sandwich plates. <i>Comptes Rendus - Mecanique</i> , 2018, 346, 57-76.	2.1	27
143	A naturally stabilized nodal integration meshfree formulation for carbon nanotube-reinforced composite plate analysis. <i>Engineering Analysis With Boundary Elements</i> , 2018, 92, 136-155.	3.7	36
144	Geometrically nonlinear polygonal finite element analysis of functionally graded porous plates. <i>Advances in Engineering Software</i> , 2018, 126, 110-126.	3.8	71

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145	A polytree-based adaptive polygonal finite element method for topology optimization of fluid-submerged breakwater interaction. <i>Computers and Mathematics With Applications</i> , 2018, 76, 1198-1218.	2.8	28
146	An adaptive strategy based on conforming quadtree meshes for kinematic limit analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 341, 485-516.	6.7	8
147	Nonlinear transient isogeometric analysis of FG-CNTRC nanoplates in thermal environments. <i>Composite Structures</i> , 2018, 201, 882-892.	5.9	71
148	Size-dependent analysis of FG-CNTRC microplates based on modified strain gradient elasticity theory. <i>European Journal of Mechanics, A/Solids</i> , 2018, 72, 521-538.	3.8	73
149	A modified firefly algorithm-artificial neural network expert system for predicting compressive and tensile strength of high-performance concrete. <i>Construction and Building Materials</i> , 2018, 180, 320-333.	7.2	275
150	A Virtual Element Method for 2D linear elastic fracture analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 340, 366-395.	6.7	64
151	NURBS-based analyses of functionally graded carbon nanotube-reinforced composite shells. <i>Composite Structures</i> , 2018, 203, 349-360.	5.9	58
152	A Naturally Stabilized Nodal Integration Meshfree Formulation for Thermo-Mechanical Analysis of Functionally Graded Material Plates. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 615-629.	1.0	1
153	Size-dependent isogeometric analysis of functionally graded carbon nanotube-reinforced composite nanoplates. <i>Composite Structures</i> , 2017, 166, 120-135.	5.9	137
154	Limit and shakedown isogeometric analysis of structures based on BÃ©zier extraction. <i>European Journal of Mechanics, A/Solids</i> , 2017, 63, 149-164.	3.8	23
155	A mixed node-based smoothed finite element method (MNS-FEM) for elasticity. <i>Engineering With Computers</i> , 2017, 33, 819-834.	5.8	8
156	Gamma-ray dose rate surveys help investigating century-scale beach ridge progradation in the wave-dominated Catumbela delta (Angola). <i>Geo-Marine Letters</i> , 2017, 37, 489-500.	1.1	1
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