

Hung Nguyen-Xuan

List of Publications by Year in descending order

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Version: 2024-02-01

271
papers

16,517
citations

14124

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all docs

278
docs citations

278
times ranked

5186
citing authors

#	ARTICLE	IF	CITATIONS
1	A nonlocal strain gradient analysis of laminated composites and sandwich nanoplates using meshfree approach. <i>Engineering With Computers</i> , 2023, 39, 5-21.	3.5	16
2	A hybrid phase-field isogeometric analysis to crack propagation in porous functionally graded structures. <i>Engineering With Computers</i> , 2023, 39, 129-149.	3.5	14
3	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.	3.5	4
4	Nonlocal strain gradient analysis of FG GPLRC nanoscale plates based on isogeometric approach. <i>Engineering With Computers</i> , 2023, 39, 857-866.	3.5	14
5	Robust multiscale design of incompressible multi-materials under loading uncertainties. <i>Engineering With Computers</i> , 2022, 38, 875-890.	3.5	15
6	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.	2.0	24
7	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.	3.5	11
8	A modified strain gradient meshfree approach for functionally graded microplates. <i>Engineering With Computers</i> , 2022, 38, 4545-4567.	3.5	10
9	Buckling Analysis of FG GPLRC Plate Using a Naturally Stabilized Nodal Integration Meshfree Method. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 189-202.	0.3	0
10	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.	0.3	0
11	Polygonal Finite Element for Two-Dimensional Lid-Driven Cavity Flow. <i>Computers, Materials and Continua</i> , 2022, 70, 4217-4239.	1.5	13
12	Performance of concrete beam reinforced with 3D printed Bioinspired primitive scaffold subjected to three-point bending. <i>Automation in Construction</i> , 2022, 134, 104060.	4.8	34
13	Data-driven geometry-based topology optimization. <i>Structural and Multidisciplinary Optimization</i> , 2022, 65, 1.	1.7	11
14	A semi-empirical approach and uncertainty analysis to pipes under hydrogen embrittlement degradation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 5677-5691.	3.8	6
15	Crack propagation in quasi-brittle materials by fourth-order phase-field cohesive zone model. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, 118, 103236.	2.1	24
16	Dynamic Analysis of 3D Solid Structure Using a Consecutive-Interpolation Over Polyhedral Element Mesh. <i>Lecture Notes in Mechanical Engineering</i> , 2022, , 1-8.	0.3	1
17	3D concrete printing modelling of thin-walled structures. <i>Structures</i> , 2022, 39, 496-511.	1.7	16
18	Machine learning-based real-time daylight analysis in buildings. <i>Journal of Building Engineering</i> , 2022, 52, 104374.	1.6	9

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19	Polygonal composite elements for stress-constrained topology optimization of nearly incompressible materials. <i>European Journal of Mechanics, A/Solids</i> , 2022, 94, 104548.	2.1	3
20	A data-driven machine learning approach for the 3D printing process optimisation. <i>Virtual and Physical Prototyping</i> , 2022, 17, 768-786.	5.3	21
21	Mechanical and hydrodynamic characteristics of emerged porous Gyroid breakwaters based on triply periodic minimal surfaces. <i>Ocean Engineering</i> , 2022, 254, 111392.	1.9	12
22	An fast Fourier transform-based correlation coefficient approach for structural damage diagnosis. <i>Structural Health Monitoring</i> , 2021, 20, 2360-2375.	4.3	10
23	Equal-Order Polygonal Analysis for Fluid Computation in Curved Domain. <i>International Journal of Computational Methods</i> , 2021, 18, 2040003.	0.8	2
24	A semi-analytical isogeometric analysis for wave dispersion in functionally graded plates immersed in fluids. <i>Acta Mechanica</i> , 2021, 232, 15-32.	1.1	12
25	Numerical study on wave forces and overtopping over various seawall structures using advanced SPH-based method. <i>Engineering Structures</i> , 2021, 226, 111349.	2.6	14
26	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.	4.5	32
27	Cell-based smoothed finite element method for modelling interfacial cracks with non-matching grids. <i>Engineering Fracture Mechanics</i> , 2021, 242, 107476.	2.0	9
28	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.	3.1	63
29	A comprehensive analysis of auxetic honeycomb sandwich plates with graphene nanoplatelets reinforcement. <i>Composite Structures</i> , 2021, 259, 113213.	3.1	49
30	A statistical approach for evaluating crack defects in structures under dynamic responses. <i>Nondestructive Testing and Evaluation</i> , 2021, 36, 113-144.	1.1	14
31	Robust adaptive topology optimization of porous infills under loading uncertainties. <i>Structural and Multidisciplinary Optimization</i> , 2021, 63, 2253-2266.	1.7	13
32	The Interaction between Microcapsules with Different Sizes and Propagating Cracks. <i>Computers, Materials and Continua</i> , 2021, 67, 577-593.	1.5	5
33	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.	0.3	0
34	Material Design for Optimal Postbuckling Behaviour of Composite Shells. <i>Materials</i> , 2021, 14, 1665.	1.3	5
35	Digital design computing and modelling for 3-D concrete printing. <i>Automation in Construction</i> , 2021, 123, 103529.	4.8	47
36	3D printed sandwich beams with bioinspired cores: Mechanical performance and modelling. <i>Thin-Walled Structures</i> , 2021, 161, 107471.	2.7	63

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37	Composite structures subjected to underwater explosive loadings: A comprehensive review. <i>Composite Structures</i> , 2021, 263, 113684.	3.1	31
38	Data-driven approach to solve vertical drain under time-dependent loading. <i>Frontiers of Structural and Civil Engineering</i> , 2021, 15, 696-711.	1.2	2
39	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.	1.7	9
40	A consecutive interpolation polyhedral finite element method for solid structures. <i>International Journal for Numerical Methods in Engineering</i> , 2021, 122, 5692-5717.	1.5	4
41	Scale-dependent nonlocal strain gradient isogeometric analysis of metal foam nanoscale plates with various porosity distributions. <i>Composite Structures</i> , 2021, 268, 113949.	3.1	41
42	Deep learning-based signal processing for evaluating energy dispersal in bridge structures. <i>Journal of Zhejiang University: Science A</i> , 2021, 22, 672-680.	1.3	7
43	Mechanical performance of fractal-like cementitious lightweight cellular structures: Numerical investigations. <i>Composite Structures</i> , 2021, 269, 114050.	3.1	25
44	Semi-analytical IGA-based computation of wave dispersion in fluid-coupled anisotropic poroelastic plates. <i>International Journal of Mechanical Sciences</i> , 2021, 212, 106830.	3.6	6
45	A nonlocal strain gradient isogeometric nonlinear analysis of nanoporous metal foam plates. <i>Engineering Analysis With Boundary Elements</i> , 2021, 130, 58-68.	2.0	33
46	A size dependent meshfree model for functionally graded plates based on the nonlocal strain gradient theory. <i>Composite Structures</i> , 2021, 272, 114169.	3.1	36
47	A three-dimensional multiscale approach to optimal design of porous structures using adaptive geometric components. <i>Composite Structures</i> , 2021, 273, 114296.	3.1	13
48	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.	3.4	6
49	A 3D nano scale IGA for free vibration and buckling analyses of multi-directional FGM nanoshells. <i>Nanotechnology</i> , 2021, 33, .	1.3	8
50	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.	4.5	113
51	Topology optimization of coated structure using moving morphable sandwich bars. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 491-506.	1.7	27
52	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.	1.2	15
53	A novel data-driven nonlinear solver for solid mechanics using time series forecasting. <i>Finite Elements in Analysis and Design</i> , 2020, 171, 103377.	1.7	25
54	Mechanical performance and fatigue life prediction of lattice structures: Parametric computational approach. <i>Composite Structures</i> , 2020, 235, 111821.	3.1	73

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55	Optimal design of FG sandwich nanoplates using size-dependent isogeometric analysis. <i>Mechanics of Materials</i> , 2020, 142, 103277.	1.7	46
56	Polytopal composite finite elements for modeling concrete fracture based on nonlocal damage models. <i>Computational Mechanics</i> , 2020, 66, 1257-1274.	2.2	12
57	Uniaxial and biaxial bioinspired interlocking composite panels subjected to dynamic loadings. <i>Thin-Walled Structures</i> , 2020, 157, 107023.	2.7	13
58	Explicit topology optimization of nearly incompressible materials using polytopal composite elements. <i>Advances in Engineering Software</i> , 2020, 149, 102903.	1.8	10
59	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.	3.4	40
60	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.	2.1	32
61	Extruded-geometric-component-based 3D topology optimization. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 371, 113293.	3.4	19
62	Adaptive Concurrent Topology Optimization of Coated Structures with Nonperiodic Infill for Additive Manufacturing. <i>CAD Computer Aided Design</i> , 2020, 129, 102918.	1.4	21
63	Temperature-dependent fatigue modelling of a novel Ni, Bi and Sb containing Sn _{3.8} Ag _{0.7} Cu lead-free solder alloy. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2020, 43, 2883-2891.	1.7	6
64	Design of lattice structures with direct multiscale topology optimization. <i>Composite Structures</i> , 2020, 252, 112718.	3.1	47
65	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.	2.0	6
66	Analysis and active control of geometrically nonlinear responses of smart FG porous plates with graphene nanoplatelets reinforcement based on B-spline extraction of NURBS. <i>International Journal of Mechanical Sciences</i> , 2020, 180, 105692.	3.6	44
67	A data-driven approach based on wavelet analysis and deep learning for identification of multiple-cracked beam structures under moving load. <i>Measurement: Journal of the International Measurement Confederation</i> , 2020, 162, 107862.	2.5	28
68	Bioinspired cellular cementitious structures for prefabricated construction: Hybrid design & performance evaluations. <i>Automation in Construction</i> , 2020, 119, 103324.	4.8	42
69	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.	2.0	78
70	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.	2.0	14
71	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.	2.2	50
72	A novel computational approach to functionally graded porous plates with graphene platelets reinforcement. <i>Thin-Walled Structures</i> , 2020, 150, 106684.	2.7	72

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73	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.	4.4	22
74	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.	0.3	8
75	Balancing composite motion optimization. <i>Information Sciences</i> , 2020, 520, 250-270.	4.0	106
76	Adaptive Concurrent Topology Optimization of Cellular Composites for Additive Manufacturing. <i>Jom</i> , 2020, 72, 2378-2390.	0.9	26
77	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.	3.1	60
78	Elasto-plastic large deformation analysis of multi-patch thin shells by isogeometric approach. <i>Finite Elements in Analysis and Design</i> , 2020, 173, 103389.	1.7	17
79	A polytree-based adaptive scheme for modeling linear fracture mechanics using a coupled XFEM – SBFEM approach. <i>Engineering Analysis With Boundary Elements</i> , 2020, 115, 72-85.	2.0	12
80	Deep learning for computational structural optimization. <i>ISA Transactions</i> , 2020, 103, 177-191.	3.1	35
81	A polygonal finite element approach for fatigue crack growth analysis of interfacial cracks. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 108, 102576.	2.1	10
82	Efficient Deep Learning for Gradient-Enhanced Stress Dependent Damage Model. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2556.	1.3	5
83	A numerical investigation on the use of pervious concrete for seawall structures. <i>Ocean Engineering</i> , 2020, 198, 106954.	1.9	7
84	Stabilization for Equal-order Polygonal Finite Element in Incompressible Fluid Flow Computation. <i>Computers, Materials and Continua</i> , 2020, 62, 1109-1123.	1.5	4
85	Implementation aspects of a phase-field approach for brittle fracture. <i>Frontiers of Structural and Civil Engineering</i> , 2019, 13, 417-428.	1.2	4
86	A high-order mixed polygonal finite element for incompressible Stokes flow analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 356, 175-198.	3.4	14
87	Fast evaluation of crack growth path using time series forecasting. <i>Engineering Fracture Mechanics</i> , 2019, 218, 106567.	2.0	26
88	Investigation of thermal and magnetic field effects on the dynamic instability of FG Timoshenko nanobeam employing nonlocal strain gradient theory. <i>International Journal of Mechanical Sciences</i> , 2019, 161-162, 105043.	3.6	30
89	Polytopal composite finite elements. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 355, 405-437.	3.4	42
90	Numerical investigation of novel prefabricated hollow concrete blocks for stepped-type seawall structures. <i>Engineering Structures</i> , 2019, 198, 109558.	2.6	8

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91	An isogeometric approach of static and free vibration analyses for porous FG nanoplates. <i>European Journal of Mechanics, A/Solids</i> , 2019, 78, 103851.	2.1	110
92	An isogeometric BÄ©zier finite element analysis for piezoelectric FG porous plates reinforced by graphene platelets. <i>Composite Structures</i> , 2019, 214, 227-245.	3.1	81
93	An extended polygonal finite element method for large deformation fracture analysis. <i>Engineering Fracture Mechanics</i> , 2019, 209, 344-368.	2.0	18
94	NURBS-based postbuckling analysis of functionally graded carbon nanotube-reinforced composite shells. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 347, 983-1003.	3.4	118
95	A simplified Kirchhoffâ€™Love large deformation model for elastic shells and its effective isogeometric formulation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 354, 369-396.	3.4	51
96	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.	3.4	61
97	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.	3.4	47
98	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.	5.9	95
99	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.	1.8	6
100	Vibration of cracked functionally graded microplates by the strain gradient theory and extended isogeometric analysis. <i>Engineering Structures</i> , 2019, 187, 251-266.	2.6	37
101	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.	2.8	22
102	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.	3.6	74
103	Topology Optimization of an Interlocking Revetment Block. <i>Lecture Notes in Civil Engineering</i> , 2019, , 165-176.	0.3	0
104	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.	0.3	1
105	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.	0.3	3
106	Numerical Simulations of Precast Thin-Walled Concrete Blocks Forming Coastal Structure. <i>Lecture Notes in Civil Engineering</i> , 2019, , 67-80.	0.3	0
107	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.	2.4	10
108	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.	2.4	26

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109	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.	2.4	62
110	Porosity-dependent nonlinear transient responses of functionally graded nanoplates using isogeometric analysis. <i>Composites Part B: Engineering</i> , 2019, 164, 215-225.	5.9	151
111	Multi-material topology optimization for additive manufacturing using polytree-based adaptive polygonal finite elements. <i>Automation in Construction</i> , 2019, 99, 79-90.	4.8	31
112	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.	1.2	10
113	A mixed edge-based smoothed solid-shell finite element method (MES-FEM) for laminated shell structures. <i>Composite Structures</i> , 2019, 208, 168-179.	3.1	9
114	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.	0.8	9
115	A Correlation Coefficient Approach for Evaluation of Stiffness Degradation of Beams Under Moving Load. <i>Computers, Materials and Continua</i> , 2019, 61, 27-53.	1.5	15
116	Forecasting Damage Mechanics by Deep Learning. <i>Computers, Materials and Continua</i> , 2019, 61, 951-977.	1.5	18
117	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.	3.1	73
118	Fluid-Structure Interaction Analysis of Revetment Structures—An Overview. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 723-731.	0.3	0
119	Analysis of Fluid-Structures Interaction Problem of Revetment Slope Thin-Walled Structure Using Abaqus. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 917-925.	0.3	2
120	Development of a 3-DOF Haptic Tele-manipulator System Using Magnetorheological Brakes. <i>Lecture Notes in Mechanical Engineering</i> , 2018, , 793-805.	0.3	2
121	Bubble-enhanced quadrilateral finite element formulation for nonlinear analysis of geotechnical problems. <i>Underground Space (China)</i> , 2018, 3, 229-242.	3.4	1
122	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.	1.1	26
123	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.	3.4	36
124	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.	3.6	52
125	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.	3.1	36
126	Isogeometric analysis of functionally graded carbon nanotube reinforced composite nanoplates using modified couple stress theory. <i>Composite Structures</i> , 2018, 184, 633-649.	3.1	88

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127	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.	3.4	60
128	An efficient isogeometric solid-shell formulation for geometrically nonlinear analysis of elastic shells. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 331, 159-183.	3.4	62
129	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	25
130	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.	2.0	36
131	Geometrically nonlinear polygonal finite element analysis of functionally graded porous plates. <i>Advances in Engineering Software</i> , 2018, 126, 110-126.	1.8	68
132	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.	1.4	27
133	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.	3.4	7
134	Nonlinear transient isogeometric analysis of FG-CNTRC nanoplates in thermal environments. <i>Composite Structures</i> , 2018, 201, 882-892.	3.1	70
135	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.	2.1	73
136	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.	3.2	247
137	A Virtual Element Method for 2D linear elastic fracture analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 340, 366-395.	3.4	59
138	NURBS-based analyses of functionally graded carbon nanotube-reinforced composite shells. <i>Composite Structures</i> , 2018, 203, 349-360.	3.1	57
139	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.	0.3	1
140	A Size-Dependent Functionally Graded Higher Order Plate Analysis Based on Modified Couple Stress Theory and Moving Kriging Meshfree Method. <i>Computers, Materials and Continua</i> , 2018, 57, 447-483.	1.5	8
141	Size-dependent isogeometric analysis of functionally graded carbon nanotube-reinforced composite nanoplates. <i>Composite Structures</i> , 2017, 166, 120-135.	3.1	132
142	Limit and shakedown isogeometric analysis of structures based on BÃ©zier extraction. <i>European Journal of Mechanics, A/Solids</i> , 2017, 63, 149-164.	2.1	22
143	A mixed node-based smoothed finite element method (MNS-FEM) for elasticity. <i>Engineering With Computers</i> , 2017, 33, 819-834.	3.5	7
144	Improvement on MITC3 plate finite element using edge-based strain smoothing enhancement for plate analysis. <i>Acta Mechanica</i> , 2017, 228, 2141-2163.	1.1	43

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145	Stochastic buckling behaviour of laminated composite structures with uncertain material properties. <i>Aerospace Science and Technology</i> , 2017, 66, 274-283.	2.5	31
146	A polygonal finite element method for plate analysis. <i>Computers and Structures</i> , 2017, 188, 45-62.	2.4	55
147	Naturally stabilized nodal integration meshfree formulations for analysis of laminated composite and sandwich plates. <i>Composite Structures</i> , 2017, 178, 260-276.	3.1	51
148	An isogeometric approach for size-dependent buckling analysis of FGM nanoplates. <i>Journal of Physics: Conference Series</i> , 2017, 842, 012085.	0.3	0
149	Buckling analysis of nanoplates using IGA. <i>Journal of Physics: Conference Series</i> , 2017, 843, 012016.	0.3	0
150	An isogeometric approach for size-dependent geometrically nonlinear transient analysis of functionally graded nanoplates. <i>Composites Part B: Engineering</i> , 2017, 118, 125-134.	5.9	141
151	Isogeometric analysis of large-deformation thin shells using RHT-splines for multiple-patch coupling. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 316, 1157-1178.	3.4	210
152	A polygonal finite element method for laminated composite plates. <i>International Journal of Mechanical Sciences</i> , 2017, 133, 863-882.	3.6	30
153	Nonlinear static and transient isogeometric analysis of functionally graded microplates based on the modified strain gradient theory. <i>Engineering Structures</i> , 2017, 153, 598-612.	2.6	43
154	A novel three-variable shear deformation plate formulation: Theory and Isogeometric implementation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 326, 376-401.	3.4	163
155	Geometrically nonlinear isogeometric analysis of functionally graded microplates with the modified couple stress theory. <i>Computers and Structures</i> , 2017, 193, 110-127.	2.4	54
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