

# Tinh Quoc Bui

## List of Publications by Year in descending order

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206  
papers

7,910  
citations

36271

51  
h-index

74108

75  
g-index

208  
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208  
docs citations

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times ranked

2635  
citing authors

#	ARTICLE	IF	CITATIONS
1	An adaptive XIGA with locally refined NURBS for modeling cracked composite FG Mindlin–Reissner plates. <i>Engineering With Computers</i> , 2022, 38, 3639-3661.	3.5	9
2	Spatially curved functionally graded Timoshenko microbeams: A numerical study using IGA. <i>Composite Structures</i> , 2022, 279, 114833.	3.1	6
3	Abnormal Electromechanical Property of Nonlinearly Graded Lead-Free Ferroelectric Thin Films. <i>Advanced Theory and Simulations</i> , 2022, 5, 2100370.	1.3	2
4	Spatial arbitrarily curved microbeams with the modified couple stress theory: Formulation of equations of motion. <i>European Journal of Mechanics, A/Solids</i> , 2022, 92, 104475.	2.1	9
5	Modeling the transient dynamic fracture and quasi-static crack growth in cracked functionally graded composites by the extended four-node gradient finite elements. <i>Composite Structures</i> , 2022, 284, 115056.	3.1	11
6	Influence of surface and couple stresses on response of elastic substrate under tilted flat indenter. <i>Applied Mathematical Modelling</i> , 2022, 104, 644-665.	2.2	7
7	A meshfree model enhanced by NURBS-based Cartesian transformation method for cracks at finite deformation in hyperelastic solids. <i>Engineering Fracture Mechanics</i> , 2022, 261, 108176.	2.0	8
8	Three-dimensional dynamic and quasi-static crack growth by a hybrid XFEM-peridynamics approach. <i>Engineering Fracture Mechanics</i> , 2022, 261, 108205.	2.0	18
9	Adaptive XIGA shakedown analysis for problems with holes. <i>European Journal of Mechanics, A/Solids</i> , 2022, 93, 104502.	2.1	6
10	Multi-material gradient-free proportional topology optimization analysis for plates with variable thickness. <i>Structural and Multidisciplinary Optimization</i> , 2022, 65, 1.	1.7	9
11	A note on mixed-mode fracture by the smoothing gradient damage model. <i>Philosophical Magazine Letters</i> , 2022, 102, 141-150.	0.5	0
12	Dynamic brittle fracture with a new energy limiter-based scalar damage model. <i>Computational Mechanics</i> , 2022, 69, 1323-1346.	2.2	8
13	A meshfree-based topology optimization approach without calculation of sensitivity. <i>Vietnam Journal of Mechanics</i> , 2022, 44, 45-58.	0.2	3
14	Strain-gradient theory for shear deformation free-form microshells: Governing equations of motion and general boundary conditions. <i>International Journal of Solids and Structures</i> , 2022, , 111579.	1.3	5
15	On invariance of spatial isogeometric Timoshenko–Ehrenfest beam formulations for static analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 394, 114883.	3.4	2
16	A direction-dependent smoothing gradient damage model for anisotropic brittle fracture. <i>Theoretical and Applied Fracture Mechanics</i> , 2022, 119, 103353.	2.1	8
17	On realizing specific failure initiation criteria in the phase field model. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2022, 394, 114881.	3.4	28
18	Simulation of dynamic brittle and quasi-brittle fracture: a revisited local damage approach. <i>International Journal of Fracture</i> , 2022, 236, 59-85.	1.1	5

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19	Peridynamics simulation of impact failure in glass plates. Theoretical and Applied Fracture Mechanics, 2022, 121, 103424.	2.1	4
20	Elastic response of surface-loaded half plane with influence of surface and couple stresses. Applied Mathematical Modelling, 2021, 91, 892-912.	2.2	8
21	An explicit phase field model for progressive tensile failure of composites. Engineering Fracture Mechanics, 2021, 241, 107371.	2.0	35
22	A nodal-based Lagrange multiplier/cohesive zone approach for dynamic interfacial cracking analysis of thin-walled laminated composite structures. Composite Structures, 2021, 256, 113112.	3.1	19
23	Enhanced nodal gradient finite elements with new numerical integration schemes for 2D and 3D geometrically nonlinear analysis. Applied Mathematical Modelling, 2021, 93, 326-359.	2.2	14
24	Composite FG plates with different internal cutouts: Adaptive IGA buckling analysis without trimmed surfaces. Composite Structures, 2021, 259, 113392.	3.1	11
25	Gradient tree boosting machine learning on predicting the failure modes of the RC panels under impact loads. Engineering With Computers, 2021, 37, 597-608.	3.5	35
26	Peridynamics in dynamic fracture modeling. , 2021, , 159-181.		0
27	Fracture parameter analysis of flat shells under out-of-plane loading using ordinary state-based peridynamics. Engineering Fracture Mechanics, 2021, 244, 107560.	2.0	11
28	Electrocaloric effect enhancement in compositionally graded ferroelectric thin films driven by a needle-to-vortex domain structure transition. Journal Physics D: Applied Physics, 2021, 54, 255307.	1.3	9
29	Multi-objective isogeometric integrated optimization for shape control of piezoelectric functionally graded plates. Computer Methods in Applied Mechanics and Engineering, 2021, 377, 113698.	3.4	18
30	SBFE analysis of surface loaded elastic layered media with influence of surface/interface energy. International Journal of Mechanical Sciences, 2021, 197, 106302.	3.6	0
31	A review of phase-field models, fundamentals and their applications to composite laminates. Engineering Fracture Mechanics, 2021, 248, 107705.	2.0	134
32	Geometrically nonlinear isogeometric analysis of smart piezoelectric FG plates considering thermal effects of piezoelectric stress and dielectric constants. Composite Structures, 2021, 266, 113795.	3.1	15
33	Multi-patch local mesh refinement XIGA based on LR NURBS and Nitsche's method for crack growth in complex cracked plates. Engineering Fracture Mechanics, 2021, 250, 107780.	2.0	26
34	Dynamic and static isogeometric analysis for laminated Timoshenko curved microbeams. Engineering Analysis With Boundary Elements, 2021, 128, 90-104.	2.0	15
35	Geometrically nonlinear multi-patch isogeometric analysis of spatial Euler-Bernoulli beam structures. Computer Methods in Applied Mechanics and Engineering, 2021, 380, 113808.	3.4	18
36	Size-dependent electromechanical response and ferroelectric behavior of engineered morphotropic phase boundary PbZr <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> nano-heterostructures. Materials Research Bulletin, 2021, 140, 111327.	2.7	2

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37	Closed-form solutions for modified polarization saturated models in two unequal collinear cracked piezoelectric media considering coalesced interior zones. <i>European Journal of Mechanics, A/Solids</i> , 2021, 89, 104313.	2.1	6
38	An efficient isogeometric beam formulation for analysis of 2D non-prismatic beams. <i>European Journal of Mechanics, A/Solids</i> , 2021, 89, 104280.	2.1	8
39	Analysis of thermal effect on buckling of imperfect FG composite plates by adaptive XIGA. <i>Composite Structures</i> , 2021, 275, 114450.	3.1	8
40	Efficient kinematic upper-bound limit analysis for hole/inclusion problems by adaptive XIGA with locally refined NURBS. <i>Engineering Analysis With Boundary Elements</i> , 2021, 133, 138-152.	2.0	6
41	An efficient reduced basis approach using enhanced meshfree and combined approximation for large deformation. <i>Engineering Analysis With Boundary Elements</i> , 2021, 133, 319-329.	2.0	8
42	Thermal buckling adaptive multi-patch isogeometric analysis of arbitrary complex-shaped plates based on locally refined NURBS and Nitsche's method. <i>Thin-Walled Structures</i> , 2021, 169, 108383.	2.7	11
43	A localized mass-field damage model with energy decomposition: Formulation and FE implementation. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 387, 114134.	3.4	6
44	Enhancement of the smoothing gradient damage model with alternative equivalent strain estimation for localization failure. <i>Engineering Fracture Mechanics</i> , 2021, 258, 108057.	2.0	13
45	Modelling distinct failure mechanisms in composite materials by a combined phase field method. <i>Composite Structures</i> , 2020, 232, 111551.	3.1	55
46	Tuning magnetoelectric effect in $Pb(1-x)Sr$ $TiO_3/CoFe_2O_4$ multiferroic nanocomposites by varying Sr content. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 138, 109293.	1.9	3
47	Modeling strong/weak discontinuities by local mesh refinement variable-node XFEM with object-oriented implementation. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 106, 102434.	2.1	26
48	An efficient variable-node XFEM for modeling multiple crack growth: A Matlab object-oriented implementation. <i>Advances in Engineering Software</i> , 2020, 140, 102750.	1.8	24
49	Simulation of cohesive crack growth by a variable-node XFEM. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 215-228.	1.2	12
50	An efficient space-time phase field discretization for ferroelectrics. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2020, 28, 025005.	0.8	2
51	Phase field simulation of early-age fracture in cement-based materials. <i>International Journal of Solids and Structures</i> , 2020, 191-192, 157-172.	1.3	20
52	A crack-tip element for modelling arbitrary crack propagations. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 105, 102422.	2.1	14
53	Isogeometric boundary element analysis for two-dimensional thermoelasticity with variable temperature. <i>Engineering Analysis With Boundary Elements</i> , 2020, 110, 80-94.	2.0	15
54	Dynamic crack arrest analysis by ordinary state-based peridynamics. <i>International Journal of Fracture</i> , 2020, 221, 155-169.	1.1	53

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55	Dynamic multi-patch isogeometric analysis of planar Euler–Bernoulli beams. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 372, 113435.	3.4	15
56	Frictionless Contact on Elastic Half Plane with Influence of Surface and Couple Stresses. <i>Applied Mechanics and Materials</i> , 2020, 897, 73-77.	0.2	1
57	Extended stochastic finite element method enhanced by local mesh refinement for random voids analysis. <i>Computers and Structures</i> , 2020, 239, 106326.	2.4	7
58	Effects of arbitrary holes/voids on crack growth using local mesh refinement adaptive XIGA. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 109, 102724.	2.1	8
59	Functionally graded curved Timoshenko microbeams: A numerical study using IGA and modified couple stress theory. <i>Composite Structures</i> , 2020, 254, 112841.	3.1	22
60	Enhancement of electromechanical properties in (0001) lead-free ferroelectric nanocomposites with multiphase coexistence. <i>Composites Communications</i> , 2020, 22, 100540.	3.3	6
61	A computational approach with surface-based cohesive contact for meso-scale interface damage simulation in 3D braided composites. <i>Journal of Industrial Textiles</i> , 2020, , 152808372098017.	1.1	2
62	FRP-confined concrete model based on damage-plasticity and phase-field approaches. <i>Composite Structures</i> , 2020, 244, 112263.	3.1	16
63	Enhancement of electrocaloric effect in compositionally graded ferroelectric nanowires. <i>Journal of Applied Physics</i> , 2020, 127, 214103.	1.1	7
64	Advanced reproducing kernel meshfree modeling of cracked curved shells for mixed-mode stress resultant intensity factors. <i>Engineering Fracture Mechanics</i> , 2020, 233, 107012.	2.0	30
65	Meshfree thermomechanical crack growth simulations with new numerical integration scheme. <i>Engineering Fracture Mechanics</i> , 2020, 235, 107121.	2.0	31
66	3D micromechanical progressive failure simulation for fiber-reinforced composites. <i>Composite Structures</i> , 2020, 249, 112534.	3.1	47
67	Adaptive extended isogeometric upper-bound limit analysis of cracked structures. <i>Engineering Fracture Mechanics</i> , 2020, 235, 107131.	2.0	13
68	A cohesive zone based DE/FE coupling approach for interfacial debonding analysis of laminated glass. <i>Theoretical and Applied Fracture Mechanics</i> , 2020, 108, 102668.	2.1	24
69	Rayleigh wave motions in an orthotropic half-space under time-harmonic loadings: A theoretical study. <i>Applied Mathematical Modelling</i> , 2020, 87, 171-179.	2.2	15
70	A new crack-tip singular element for cracks in three-dimensional elastic bodies. <i>Engineering Fracture Mechanics</i> , 2020, 235, 107148.	2.0	13
71	Efficient Adaptive Procedure for Buckling Analysis of Skeletal Structures. <i>International Journal of Structural Stability and Dynamics</i> , 2020, 20, 2050047.	1.5	0
72	Error-controlled adaptive LR B-splines XIGA for assessment of fracture parameters in through-cracked Mindlin-Reissner plates. <i>Engineering Fracture Mechanics</i> , 2020, 229, 106964.	2.0	21

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73	A total Lagrangian Timoshenko beam formulation for geometrically nonlinear isogeometric analysis of spatial beam structures. <i>Acta Mechanica</i> , 2020, 231, 3673-3701.	1.1	14
74	Precise Integration Symplectic Analytical Singular Element for Cracks Analysis Under Transient Thermal Conduction. <i>International Journal of Applied Mechanics</i> , 2020, 12, 2050005.	1.3	5
75	Ballistic performance and damage simulation of fiber metal laminates under high-velocity oblique impact. <i>International Journal of Damage Mechanics</i> , 2020, 29, 1011-1034.	2.4	19
76	Detection of multiple complicated flaw clusters by dynamic variable-node XFEM with a three-step detection algorithm. <i>European Journal of Mechanics, A/Solids</i> , 2020, 82, 103980.	2.1	17
77	Crack growth adaptive XIGA simulation in isotropic and orthotropic materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 365, 113016.	3.4	38
78	A locally refined adaptive isogeometric analysis for steady-state heat conduction problems. <i>Engineering Analysis With Boundary Elements</i> , 2020, 117, 119-131.	2.0	18
79	A Smoothing Gradient-Enhanced Damage Model. <i>Mechanisms and Machine Science</i> , 2020, , 91-96.	0.3	0
80	Adaptive orthotropic XIGA for fracture analysis of composites. <i>Composites Part B: Engineering</i> , 2019, 176, 107259.	5.9	26
81	Phase field modeling of fracture in fiber reinforced composite laminate. <i>International Journal of Mechanical Sciences</i> , 2019, 161-162, 105008.	3.6	67
82	Development of two intrinsic cohesive zone models for progressive interfacial cracking of laminated composites with matching and non-matching cohesive elements. <i>Composite Structures</i> , 2019, 229, 111406.	3.1	31
83	Asymmetric flux-closure domains in compositionally graded nanoscale ferroelectrics and unusual switching of toroidal ordering by an irrotational electric field. <i>Acta Materialia</i> , 2019, 179, 215-223.	3.8	15
84	Damage assessment in composite laminates using ANN-PSO-IGA and Cornwell indicator. <i>Composite Structures</i> , 2019, 230, 111509.	3.1	84
85	Numerical simulation of arbitrary holes in orthotropic media by an efficient computational method based on adaptive XIGA. <i>Composite Structures</i> , 2019, 229, 111387.	3.1	17
86	Computational chemo-thermo-mechanical coupling phase-field model for complex fracture induced by early-age shrinkage and hydration heat in cement-based materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 348, 1-28.	3.4	70
87	Isogeometric analysis of size-dependent effects for functionally graded microbeams by a non-classical quasi-3D theory. <i>Thin-Walled Structures</i> , 2019, 138, 1-14.	2.7	60
88	Fracture modeling with the adaptive XIGA based on locally refined B-splines. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 354, 527-567.	3.4	23
89	A theoretical approach for guided waves in layered structures. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	14
90	Deterministic Switching of Polarization Vortices in Compositionally Graded Ferroelectrics Using a Mechanical Field. <i>Physical Review Applied</i> , 2019, 11, .	1.5	16

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91	Dynamic brittle crack propagation modeling using singular edge-based smoothed finite element method with local mesh rezoning. <i>European Journal of Mechanics, A/Solids</i> , 2019, 76, 208-223.	2.1	23
92	Adaptive chaotic particle swarm algorithm for isogeometric multi-objective size optimization of FG plates. <i>Structural and Multidisciplinary Optimization</i> , 2019, 60, 757-778.	1.7	32
93	A closed-form solution to propagation of guided waves in a layered half-space under a time-harmonic load: An application of elastodynamic reciprocity. <i>Ultrasonics</i> , 2019, 96, 40-47.	2.1	17
94	Fatigue crack analysis in piezoelectric specimens by a single-domain BEM. <i>Engineering Analysis With Boundary Elements</i> , 2019, 104, 71-79.	2.0	10
95	Analysis of thick porous beams by a quasi-3D theory and isogeometric analysis. <i>Composite Structures</i> , 2019, 221, 110890.	3.1	35
96	Isogeometric analysis for size-dependent nonlinear thermal stability of porous FG microplates. <i>Composite Structures</i> , 2019, 221, 110838.	3.1	98
97	A polygonal XFEM with new numerical integration for linear elastic fracture mechanics. <i>Engineering Fracture Mechanics</i> , 2019, 213, 241-263.	2.0	63
98	Role of interfacial transition zone in phase field modeling of fracture in layered heterogeneous structures. <i>Journal of Computational Physics</i> , 2019, 386, 585-610.	1.9	52
99	Finite element simulation of damage in fiber metal laminates under high velocity impact by projectiles with different shapes. <i>Composite Structures</i> , 2019, 214, 73-82.	3.1	46
100	Intrinsic and extrinsic effects on the electrotoroidic switching in a ferroelectric notched nanodot by a homogeneous electric field. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 25011-25022.	1.3	6
101	New analytical solutions for modified polarization saturation models in piezoelectric materials. <i>Meccanica</i> , 2019, 54, 2443-2459.	1.2	11
102	Static and dynamic fracture analysis in elastic solids using a multiscale extended isogeometric analysis. <i>Engineering Fracture Mechanics</i> , 2019, 207, 109-130.	2.0	29
103	A novel size-dependent quasi-3D isogeometric beam model for two-directional FG microbeams analysis. <i>Composite Structures</i> , 2019, 211, 76-88.	3.1	59
104	Size and surface effects on mechanical behavior of thin nanoplates incorporating microstructures using isogeometric analysis. <i>Computers and Structures</i> , 2019, 212, 173-187.	2.4	69
105	Shape optimization of structures with cutouts by an efficient approach based on XIGA and chaotic particle swarm optimization. <i>European Journal of Mechanics, A/Solids</i> , 2019, 74, 176-187.	2.1	35
106	Enhanced meshfree method with new correlation functions for functionally graded plates using a refined inverse sin shear deformation plate theory. <i>European Journal of Mechanics, A/Solids</i> , 2019, 74, 160-175.	2.1	23
107	A refined sin hyperbolic shear deformation theory for sandwich FG plates by enhanced meshfree with new correlation function. <i>International Journal of Mechanics and Materials in Design</i> , 2019, 15, 647-669.	1.7	21
108	Efficient analysis of dynamic fracture mechanics in various media by a novel meshfree approach. <i>Theoretical and Applied Fracture Mechanics</i> , 2019, 99, 161-176.	2.1	29

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109	A computational approach based on ordinary state-based peridynamics with new transition bond for dynamic fracture analysis. <i>Engineering Fracture Mechanics</i> , 2019, 206, 359-374.	2.0	52
110	Buckling of stomatopod-dactyl-club-inspired functional gradient plates: A numerical study. <i>Composite Structures</i> , 2019, 207, 801-815.	3.1	9
111	Three-dimensional elastoplastic solids simulation by an effective IGA based on BÃ©zier extraction of NURBS. <i>International Journal of Mechanics and Materials in Design</i> , 2019, 15, 175-197.	1.7	12
112	Meso-Scale Finite Element Analysis of Mechanical Behavior of 3D Braided Composites Subjected to Biaxial Tension Loadings. <i>Applied Composite Materials</i> , 2019, 26, 139-157.	1.3	29
113	Size effect on cracked functional composite micro-plates by an XIGA-based effective approach. <i>Meccanica</i> , 2018, 53, 2637-2658.	1.2	34
114	Adaptive multi-patch isogeometric analysis based on locally refined B-splines. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 339, 704-738.	3.4	52
115	A new refined simple TSDT-based effective meshfree method for analysis of through-thickness FG plates. <i>Applied Mathematical Modelling</i> , 2018, 57, 514-534.	2.2	46
116	Continuum thermodynamics of unusual domain evolution-induced toughening effect in nanocracked strontium titanate. <i>Engineering Fracture Mechanics</i> , 2018, 190, 232-244.	2.0	7
117	Modified empirical formulas for predicting the thickness of RC panels under impact loading. <i>Construction and Building Materials</i> , 2018, 169, 261-275.	3.2	23
118	Mixed-mode dynamic stress intensity factors evaluation using ordinary state-based peridynamics. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 93, 97-104.	2.1	35
119	Analysis of transient dynamic fracture parameters of cracked functionally graded composites by improved meshfree methods. <i>Theoretical and Applied Fracture Mechanics</i> , 2018, 96, 642-657.	2.1	62
120	Vibration Analysis of Third-Order Shear Deformable FGM Beams with Elastic Support by Chebyshev Collocation Method. <i>International Journal of Structural Stability and Dynamics</i> , 2018, 18, 1850071.	1.5	24
121	Smoothing gradient damage model with evolving anisotropic nonlocal interactions tailored to low-order finite elements. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 328, 498-541.	3.4	85
122	Numerical simulation of 2-D weak and strong discontinuities by a novel approach based on XFEM with local mesh refinement. <i>Computers and Structures</i> , 2018, 196, 112-133.	2.4	88
123	Implementation of isogeometric boundary element method for 2-D steady heat transfer analysis. <i>Advances in Engineering Software</i> , 2018, 116, 36-49.	1.8	54
124	Bi-material V-notched SIFs analysis by XFEM and conservative integral approach. <i>Computers and Structures</i> , 2018, 196, 217-232.	2.4	14
125	Numerical and experimental validation of a particle Galerkin method for metal grinding simulation. <i>Computational Mechanics</i> , 2018, 61, 365-383.	2.2	28
126	Computation of interface wave motions by reciprocity considerations. <i>Wave Motion</i> , 2018, 79, 10-22.	1.0	22



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127	Multi-inclusions modeling by adaptive XIGA based on LR B-splines and multiple level sets. Finite Elements in Analysis and Design, 2018, 148, 48-66.	1.7	44
128	Meso-Scale Finite Element Simulations of 3D Braided Textile Composites: Effects of Force Loading Modes. Applied Composite Materials, 2018, 25, 823-841.	1.3	23
129	Meso-scale progressive damage modeling and life prediction of 3D braided composites under fatigue tension loading. Composite Structures, 2018, 201, 62-71.	3.1	46
130	SIFs evaluation of sharp V-notched fracture by XFEM and strain energy approach. Theoretical and Applied Fracture Mechanics, 2017, 89, 35-44.	2.1	37
131	3-D elasto-plastic large deformations: IGA simulation by BÄ©zier extraction of NURBS. Advances in Engineering Software, 2017, 108, 68-82.	1.8	33
132	Structure, mechanical behavior and puncture resistance of grass carp scales. Journal of Bionic Engineering, 2017, 14, 356-368.	2.7	18
133	Numerical analysis of 3-D solids and composite structures by an enhanced 8-node hexahedral element. Finite Elements in Analysis and Design, 2017, 131, 1-16.	1.7	34
134	Nonlinear thermoelastic frequency analysis of functionally graded CNT-reinforced single/doubly curved shallow shell panels by FEM. Journal of Thermal Stresses, 2017, 40, 899-916.	1.1	79
135	Transient dynamic fracture analysis by an extended meshfree method with different crack-tip enrichments. Meccanica, 2017, 52, 2363-2390.	1.2	42
136	A new cohesive crack tip symplectic analytical singular element involving plastic zone length for fatigue crack growth prediction under variable amplitude cyclic loading. European Journal of Mechanics, A/Solids, 2017, 65, 79-90.	2.1	44
137	Size-dependent analysis of homogeneous and functionally graded microplates using IGA and a non-classical Kirchhoff plate theory. Composite Structures, 2017, 172, 34-44.	3.1	59
138	Analysis of functionally graded plates by a simple locking-free quasi-3D hyperbolic plate isogeometric method. Composites Part B: Engineering, 2017, 120, 182-196.	5.9	48
139	A simple FSDT-based meshfree method for analysis of functionally graded plates. Engineering Analysis With Boundary Elements, 2017, 79, 1-12.	2.0	87
140	A novel interface constitutive model for prediction of stiffness and strength in 3D braided composites. Composite Structures, 2017, 163, 32-43.	3.1	90
141	Treatment of Dirichlet-type boundary conditions in the spline-based wavelet Galerkin method employing multiple point constraints. Applied Mathematical Modelling, 2017, 43, 592-610.	2.2	15
142	Switching the chirality of a ferroelectric vortex in designed nanostructures by a homogeneous electric field. Physical Review B, 2017, 96, .	1.1	36
143	Numerical simulation of crack growth in piezoelectric structures by BEM. Engineering Analysis With Boundary Elements, 2017, 85, 30-42.	2.0	18
144	Simulation of dynamic and static thermoelastic fracture problems by extended nodal gradient finite elements. International Journal of Mechanical Sciences, 2017, 134, 370-386.	3.6	66

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145	Size effects of functionally graded moderately thick microplates: A novel non-classical simple-FSDT isogeometric analysis. <i>European Journal of Mechanics, A/Solids</i> , 2017, 66, 446-458.	2.1	60
146	A rate-dependent hybrid phase field model for dynamic crack propagation. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	47
147	Phase-field thermal buckling analysis for cracked functionally graded composite plates considering neutral surface. <i>Composite Structures</i> , 2017, 182, 542-548.	3.1	55
148	An effective computational approach based on XFEM and a novel three-step detection algorithm for multiple complex flaw clusters. <i>Computers and Structures</i> , 2017, 193, 207-225.	2.4	30
149	Rotation-free isogeometric analysis of functionally graded thin plates considering in-plane material inhomogeneity. <i>Thin-Walled Structures</i> , 2017, 119, 385-395.	2.7	42
150	Analysis of bi-directional functionally graded plates by FEM and a new third-order shear deformation plate theory. <i>Thin-Walled Structures</i> , 2017, 119, 687-699.	2.7	120
151	Dynamic stationary crack analysis of isotropic solids and anisotropic composites by enhanced local enriched consecutive-interpolation elements. <i>Composite Structures</i> , 2017, 180, 221-233.	3.1	43
152	Quasi-static crack propagation simulation by an enhanced nodal gradient finite element with different enrichments. <i>Theoretical and Applied Fracture Mechanics</i> , 2017, 87, 61-77.	2.1	38
153	3-D local mesh refinement XFEM with variable-node hexahedron elements for extraction of stress intensity factors of straight and curved planar cracks. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 313, 375-405.	3.4	94
154	Comparison of periodic mesh and free mesh on the mechanical properties prediction of 3D braided composites. <i>Composite Structures</i> , 2017, 159, 667-676.	3.1	48
155	Buckling isogeometric analysis of functionally graded plates under combined thermal and mechanical loads. <i>Composite Structures</i> , 2017, 162, 54-69.	3.1	83
156	J-integral evaluation for 2D mixed-mode crack problems employing a meshfree stabilized conforming nodal integration method. <i>Computational Mechanics</i> , 2016, 58, 185-198.	2.2	60
157	In-plane material inhomogeneity of functionally graded plates: A higher-order shear deformation plate isogeometric analysis. <i>Composites Part B: Engineering</i> , 2016, 106, 273-284.	5.9	82
158	Buckling and vibration extended isogeometric analysis of imperfect graded Reissner-Mindlin plates with internal defects using NURBS and level sets. <i>Computers and Structures</i> , 2016, 177, 23-38.	2.4	79
159	Enhanced nodal gradient 3D consecutive-interpolation tetrahedral element (CTH4) for heat transfer analysis. <i>International Journal of Heat and Mass Transfer</i> , 2016, 103, 14-27.	2.5	42
160	Numerical modeling of 3-D inclusions and voids by a novel adaptive XFEM. <i>Advances in Engineering Software</i> , 2016, 102, 105-122.	1.8	61
161	High frequency modes meshfree analysis of Reissner-Mindlin plates. <i>Journal of Science: Advanced Materials and Devices</i> , 2016, 1, 400-412.	1.5	21
162	Hybrid phase field simulation of dynamic crack propagation in functionally graded glass-filled epoxy. <i>Composites Part B: Engineering</i> , 2016, 99, 266-276.	5.9	82

#	ARTICLE	IF	CITATIONS
163	Edge-based smoothed extended finite element method for dynamic fracture analysis. Applied Mathematical Modelling, 2016, 40, 8564-8579.	2.2	39
164	On the thermal buckling analysis of functionally graded plates with internal defects using extended isogeometric analysis. Composite Structures, 2016, 136, 684-695.	3.1	148
165	Analysis of 2-dimensional transient problems for linear elastic and piezoelectric structures using the consecutive-interpolation quadrilateral element (CQ4). European Journal of Mechanics, A/Solids, 2016, 58, 112-130.	2.1	41
166	Extended isogeometric analysis for dynamic fracture in multiphase piezoelectric/piezomagnetic composites. Mechanics of Materials, 2016, 97, 135-163.	1.7	120
167	On the high temperature mechanical behaviors analysis of heated functionally graded plates using FEM and a new third-order shear deformation plate theory. Composites Part B: Engineering, 2016, 92, 218-241.	5.9	164
168	Numerical studies of an array of equidistant semi-permeable inclined cracks in 2-D piezoelectric strip using distributed dislocation method. International Journal of Solids and Structures, 2016, 80, 137-145.	1.3	21
169	A stabilized discrete shear gap extended finite element for the analysis of cracked Reissner-Mindlin plate vibration problems involving distorted meshes. International Journal of Mechanics and Materials in Design, 2016, 12, 85-107.	1.7	31
170	Numerical Modelling of Hydraulic Fracturing in Rock Mass by Xfem. Soil Mechanics and Foundation Engineering, 2015, 52, 74-83.	0.2	30
171	Extended isogeometric dynamic and static fracture analysis for cracks in piezoelectric materials using NURBS. Computer Methods in Applied Mechanics and Engineering, 2015, 295, 470-509.	3.4	153
172	A fictitious crack XFEM with two new solution algorithms for cohesive crack growth modeling in concrete structures. Engineering Computations, 2015, 32, 473-497.	0.7	80
173	Analysis of cracked shear deformable plates by an effective meshfree plate formulation. Engineering Fracture Mechanics, 2015, 144, 142-157.	2.0	87
174	Geometrically nonlinear analysis of functionally graded plates using isogeometric analysis. Engineering Computations, 2015, 32, 519-558.	0.7	46
175	Interfacial dynamic impermeable cracks analysis in dissimilar piezoelectric materials under coupled electromechanical loading with the extended finite element method. International Journal of Solids and Structures, 2015, 67-68, 205-218.	1.3	74
176	A cutout isogeometric analysis for thin laminated composite plates using level sets. Composite Structures, 2015, 127, 152-164.	3.1	66
177	An extended consecutive-interpolation quadrilateral element (XCQ4) applied to linear elastic fracture mechanics. Acta Mechanica, 2015, 226, 3991-4015.	1.1	71
178	A simple FSDT-based isogeometric analysis for geometrically nonlinear analysis of functionally graded plates. Finite Elements in Analysis and Design, 2015, 96, 1-10.	1.7	128
179	Transient dynamic interface crack analysis in magneto-electroelastic bi-materials by a time-domain BEM. European Journal of Mechanics, A/Solids, 2015, 49, 146-157.	2.1	27
180	Improved knowledge-based neural network (KBNN) model for predicting spring-back angles in metal sheet bending. International Journal of Modeling, Simulation, and Scientific Computing, 2014, 05, 1350026.	0.9	15

#	ARTICLE	IF	CITATIONS
181	A consecutive-interpolation quadrilateral element (CQ4): Formulation and applications. Finite Elements in Analysis and Design, 2014, 84, 14-31.	1.7	55
182	Numerical modeling of wave propagation in functionally graded materials using time-domain spectral Chebyshev elements. Journal of Computational Physics, 2014, 258, 381-404.	1.9	50
183	Isogeometric analysis for unsaturated flow problems. Computers and Geotechnics, 2014, 62, 257-267.	2.3	41
184	Isogeometric locking-free plate element: A simple first order shear deformation theory for functionally graded plates. Composite Structures, 2014, 118, 121-138.	3.1	177
185	Comparison of several BEM-based approaches in evaluating crack-tip field intensity factors in piezoelectric materials. International Journal of Fracture, 2014, 189, 111-120.	1.1	27
186	Transient thermal shock fracture analysis of functionally graded piezoelectric materials by the extended finite element method. International Journal of Solids and Structures, 2014, 51, 2167-2182.	1.3	100
187	Crack growth modeling in elastic solids by the extended meshfree Galerkin radial point interpolation method. Engineering Analysis With Boundary Elements, 2014, 44, 87-97.	2.0	106
188	Analysis of generalized dynamic intensity factors of cracked magneto-electroelastic solids by X-FEM. Finite Elements in Analysis and Design, 2013, 69, 19-36.	1.7	99
189	NURBS-based finite element analysis of functionally graded plates: Static bending, vibration, buckling and flutter. Composite Structures, 2013, 99, 309-326.	3.1	277
190	Transient dynamic crack analysis in non-homogeneous functionally graded piezoelectric materials by the X-FEM. Computational Materials Science, 2013, 69, 542-558.	1.4	69
191	MESHFREE GALERKIN KRIGING MODEL FOR BENDING AND BUCKLING ANALYSIS OF SIMPLY SUPPORTED LAMINATED COMPOSITE PLATES. International Journal of Computational Methods, 2013, 10, 1350011.	0.8	17
192	Recent Advances in Computational Mechanics. Advances in Mechanical Engineering, 2013, 5, 158572.	0.8	0
193	Extended finite element simulation of stationary dynamic cracks in piezoelectric solids under impact loading. Computational Materials Science, 2012, 62, 243-257.	1.4	94
194	Novel adaptive meshfree integration techniques in meshless methods. International Journal for Numerical Methods in Engineering, 2012, 90, 1414-1434.	1.5	53
195	An efficient meshfree method for analysis of two-dimensional piezoelectric structures. Smart Materials and Structures, 2011, 20, 065016.	1.8	39
196	A meshfree model without shear-locking for free vibration analysis of first-order shear deformable plates. Engineering Structures, 2011, 33, 3364-3380.	2.6	46
197	An efficient meshfree method for vibration analysis of laminated composite plates. Computational Mechanics, 2011, 48, 175-193.	2.2	125
198	A moving Kriging interpolation-based meshfree method for free vibration analysis of Kirchhoff plates. Computers and Structures, 2011, 89, 380-394.	2.4	107

#	ARTICLE	IF	CITATIONS
199	Moving Kriging Interpolation-based Meshfree Method for Dynamic Analysis of Structures. Proceedings in Applied Mathematics and Mechanics, 2011, 11, 197-198.	0.2	15
200	A moving Kriging interpolation-based element-free Galerkin method for structural dynamic analysis. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 1354-1366.	3.4	92
201	EIGENVALUE ANALYSIS OF THIN PLATE WITH COMPLICATED SHAPES BY A NOVEL MESH-FREE METHOD. International Journal of Applied Mechanics, 2011, 03, 21-46.	1.3	13
202	A novel meshfree model for buckling and vibration analysis of rectangular orthotropic plates. Structural Engineering and Mechanics, 2011, 39, 579-598.	1.0	12
203	A moving Kriging interpolation-based meshless method for numerical simulation of Kirchhoff plate problems. International Journal for Numerical Methods in Engineering, 2009, 77, 1371-1395.	1.5	95
204	A 4-node quadrilateral element with center-point based discrete shear gap (CP-DSG4). Vietnam Journal of Mechanics, 0, , .	0.2	0
205	A precise time-domain expanding crack-tip element for 3D planar and axial dynamic cracks. International Journal of Computational Methods, 0, , .	0.8	0
206	A directional-dependent localized mass-field damage model for anisotropic brittle fracture. Acta Mechanica, 0, , 1.	1.1	0