Thai Hoang Chien

List of Publications by Year
in descending order

77	5,381	61984	82547
papers	citations	43	72
		h-index	g-index

77	77	77	1549
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isogeometric analysis of laminated composite and sandwich plates using a new inverse trigonometric shear deformation theory. European Journal of Mechanics, A/Solids, 2014, 43, 89-108.	3.7	260
2	Static, free vibration, and buckling analysis of laminated composite Reissner–Mindlin plates using NURBS–based isogeometric approach. International Journal for Numerical Methods in Engineering, 2012, 91, 571-603.	2.8	257
3	Generalized shear deformation theory for functionally graded isotropic and sandwich plates based on isogeometric approach. Computers and Structures, 2014, 141, 94-112.	4.4	223
4	An edge-based smoothed finite element method (ES-FEM) with stabilized discrete shear gap technique for analysis of Reissner–Mindlin plates. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 471-489.	6.6	187
5	Isogeometric analysis of laminated composite and sandwich plates using a layerwise deformation theory. Composite Structures, 2013, 104, 196-214.	5.8	172
6	Free vibration, buckling and bending analyses of multilayer functionally graded graphene nanoplatelets reinforced composite plates using the NURBS formulation. Composite Structures, 2019, 220, 749-759.	5.8	158
7	Porosity-dependent nonlinear transient responses of functionally graded nanoplates using isogeometric analysis. Composites Part B: Engineering, 2019, 164, 215-225.	12.0	151
8	Isogeometric analysis of functionally graded plates using a refined plate theory. Composites Part B: Engineering, 2014, 64, 222-234.	12.0	146
9	A simple four-unknown shear and normal deformations theory for functionally graded isotropic and sandwich plates based on isogeometric analysis. Composite Structures, 2016, 139, 77-95.	5.8	146
10	Analysis of laminated composite plates integrated with piezoelectric sensors and actuators using higher-order shear deformation theory and isogeometric finite elements. Computational Materials Science, 2015, 96, 495-505.	3.0	139
11	Isogeometric finite element analysis of composite sandwich plates using a higher order shear deformation theory. Composites Part B: Engineering, 2013, 55, 558-574.	12.0	136
12	Analysis of laminated composite plates using higher-order shear deformation plate theory and node-based smoothed discrete shear gap method. Applied Mathematical Modelling, 2012, 36, 5657-5677.	4.2	132
13	On the general framework of high order shear deformation theories for laminated composite plate structures: A novel unified approach. International Journal of Mechanical Sciences, 2016, 110, 242-255.	6.7	125
14	Analysis of functionally graded plates by an efficient finite element method with node-based strain smoothing. Thin-Walled Structures, 2012, 54, 1-18.	5.3	121
15	NURBS-based postbuckling analysis of functionally graded carbon nanotube-reinforced composite shells. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 983-1003.	6.6	118
16	Isogeometric Analysis of Laminated Composite Plates Using the Higher-Order Shear Deformation Theory. Mechanics of Advanced Materials and Structures, 2015, 22, 451-469.	2.6	117
17	An isogeometric finite element formulation for thermal buckling analysis of functionally graded plates. Finite Elements in Analysis and Design, 2013, 73, 65-76.	3.2	112
18	An isogeometric approach of static and free vibration analyses for porous FG nanoplates. European Journal of Mechanics, A/Solids, 2019, 78, 103851.	3.7	110

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19	A cell‐based smoothed discrete shear gap method using triangular elements for static and free vibration analyses of Reissner–Mindlin plates. International Journal for Numerical Methods in Engineering, 2012, 91, 705-741.	2.8	106
20	Size dependent free vibration analysis of multilayer functionally graded GPLRC microplates based on modified strain gradient theory. Composites Part B: Engineering, 2019, 169, 174-188.	12.0	105
21	A generalized layerwise higher-order shear deformation theory for laminated composite and sandwich plates based on isogeometric analysis. Acta Mechanica, 2016, 227, 1225-1250.	2.1	99
22	An efficient computational approach for control of nonlinear transient responses of smart piezoelectric composite plates. International Journal of Non-Linear Mechanics, 2015, 76, 190-202.	2.6	91
23	Isogeometric analysis of functionally graded carbon nanotube reinforced composite nanoplates using modified couple stress theory. Composite Structures, 2018, 184, 633-649.	5.8	88
24	A cell-based smoothed discrete shear gap method (CS-DSG3) using triangular elements for static and free vibration analyses of shell structures. International Journal of Mechanical Sciences, 2013, 74, 32-45.	6.7	87
25	A size-dependent quasi-3D isogeometric model for functionally graded graphene platelet-reinforced composite microplates based on the modified couple stress theory. Composite Structures, 2020, 234, 111695.	5.8	87
26	An improved Moving Kriging-based meshfree method for static, dynamic and buckling analyses of functionally graded isotropic and sandwich plates. Engineering Analysis With Boundary Elements, 2016, 64, 122-136.	3.7	82
27	An isogeometric Bézier finite element analysis for piezoelectric FG porous plates reinforced by graphene platelets. Composite Structures, 2019, 214, 227-245.	5.8	81
28	A meshfree approach using naturally stabilized nodal integration for multilayer FG GPLRC complicated plate structures. Engineering Analysis With Boundary Elements, 2020, 117, 346-358.	3.7	76
29	An isogeometric Bézier finite element method for vibration analysis of functionally graded piezoelectric material porous plates. International Journal of Mechanical Sciences, 2019, 157-158, 165-183.	6.7	74
30	Isogeometric analysis of size-dependent isotropic and sandwich functionally graded microplates based on modified strain gradient elasticity theory. Composite Structures, 2018, 192, 274-288.	5.8	73
31	Size-dependent analysis of FG-CNTRC microplates based on modified strain gradient elasticity theory. European Journal of Mechanics, A/Solids, 2018, 72, 521-538.	3.7	73
32	A nonlocal strain gradient isogeometric model for free vibration and bending analyses of functionally graded plates. Composite Structures, 2020, 251, 112634.	5.8	71
33	An alternative alpha finite element method with discrete shear gap technique for analysis of laminated composite plates. Applied Mathematics and Computation, 2011, 217, 7324-7348.	2.2	63
34	AN EDGE-BASED SMOOTHED FINITE ELEMENT METHOD FOR ANALYSIS OF LAMINATED COMPOSITE PLATES. International Journal of Computational Methods, 2013, 10, 1340005.	1.3	62
35	NURBS-based analyses of functionally graded carbon nanotube-reinforced composite shells. Composite Structures, 2018, 203, 349-360.	5.8	57
36	Isogeometric nonlinear transient analysis of porous FGM plates subjected to hygro-thermo-mechanical loads. Thin-Walled Structures, 2020, 148, 106497.	5.3	56

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37	Computational optimization for porosity-dependent isogeometric analysis of functionally graded sandwich nanoplates. Composite Structures, 2020, 239, 112029.	5.8	53
38	A cell-based smoothed discrete shear gap method (CS-FEM-DSG3) using layerwise deformation theory for dynamic response of composite plates resting on viscoelastic foundation. Computer Methods in Applied Mechanics and Engineering, 2014, 272, 138-159.	6.6	52
39	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. International Journal of Mechanical Sciences, 2018, 142-143, 322-338.	6.7	52
40	Free vibration analysis of functionally graded anisotropic microplates using modified strain gradient theory. Engineering Analysis With Boundary Elements, 2020, 117, 284-298.	3.7	52
41	Naturally stabilized nodal integration meshfree formulations for analysis of laminated composite and sandwich plates. Composite Structures, 2017, 178, 260-276.	5.8	51
42	Static and free vibration analyses of composite and sandwich plates by an edge-based smoothed discrete shear gap method (ES-DSG3) using triangular elements based on layerwise theory. Composites Part B: Engineering, 2014, 60, 227-238.	12.0	50
43	A size-dependent moving Kriging meshfree model for deformation and free vibration analysis of functionally graded carbon nanotube-reinforced composite nanoplates. Engineering Analysis With Boundary Elements, 2020, 115, 52-63.	3.7	50
44	An improved moving Kriging meshfree method for plate analysis using a refined plate theory. Computers and Structures, 2016, 176, 34-49.	4.4	47
45	Optimal design of FG sandwich nanoplates using size-dependent isogeometric analysis. Mechanics of Materials, 2020, 142, 103277.	3.2	46
46	A novel computational approach for functionally graded isotropic and sandwich plate structures based on a rotation-free meshfree method. Thin-Walled Structures, 2016, 107, 473-488.	5.3	42
47	Scale-dependent nonlocal strain gradient isogeometric analysis of metal foam nanoscale plates with various porosity distributions. Composite Structures, 2021, 268, 113949.	5.8	41
48	A refined nonlocal isogeometric model for multilayer functionally graded graphene platelet-reinforced composite nanoplates. Thin-Walled Structures, 2021, 164, 107862.	5.3	39
49	Analysis of laminated composite and sandwich plate structures using generalized layerwise HSDT and improved meshfree radial point interpolation method. Aerospace Science and Technology, 2016, 58, 641-660.	4.8	37
50	Geometrically nonlinear analysis of functionally graded material plates using an improved moving Kriging meshfree method based on a refined plate theory. Composite Structures, 2018, 193, 268-280.	5.8	36
51	A naturally stabilized nodal integration meshfree formulation for carbon nanotube-reinforced composite plate analysis. Engineering Analysis With Boundary Elements, 2018, 92, 136-155.	3.7	36
52	A size dependent meshfree model for functionally graded plates based on the nonlocal strain gradient theory. Composite Structures, 2021, 272, 114169.	5.8	36
53	A novel size-dependent nonlocal strain gradient isogeometric model for functionally graded carbon nanotube-reinforced composite nanoplates. Engineering With Computers, 2022, 38, 2027-2040.	6.1	33
54	A nonlocal strain gradient isogeometric nonlinear analysis of nanoporous metal foam plates. Engineering Analysis With Boundary Elements, 2021, 130, 58-68.	3.7	33

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55	A cell – based smoothed finite element method for free vibration and buckling analysis of shells. KSCE Journal of Civil Engineering, 2011, 15, 347-361.	1.9	31
56	A modified Kirchhoff plate theory for analyzing thermo-mechanical static and buckling responses of functionally graded material plates. Thin-Walled Structures, 2017, 117, 113-126.	5.3	29
57	A refined isogeometric plate analysis of porous metal foam microplates using modified strain gradient theory. Composite Structures, 2022, 289, 115467.	5.8	27
58	Plastic collapse analysis of cracked structures using extended isogeometric elements and second-order cone programming. Theoretical and Applied Fracture Mechanics, 2014, 72, 13-27.	4.7	26
59	Isogeometric analysis of laminated composite plates based on a four-variable refined plate theory. Engineering Analysis With Boundary Elements, 2014, 47, 68-81.	3.7	26
60	A moving Kriging meshfree method with naturally stabilized nodal integration for analysis of functionally graded material sandwich plates. Acta Mechanica, 2018, 229, 2997-3023.	2.1	26
61	A layerwise C0-type higher order shear deformation theory for laminated composite and sandwich plates. Comptes Rendus - Mecanique, 2018, 346, 57-76.	2.1	25
62	An Edge-Based Smoothed Discrete Shear Gap Method Using the C^0-Type Higher-Order Shear Deformation Theory for Analysis of Laminated Composite Plates. Mechanics of Advanced Materials and Structures, 2015, 22, 248-268.	2.6	24
63	A generalized unconstrained theory and isogeometric finite element analysis based on Bézier extraction for laminated composite plates. Engineering With Computers, 2016, 32, 457-475.	6.1	23
64	Dynamic responses of Euler–Bernoulli beam subjected to moving vehicles using isogeometric approach. Applied Mathematical Modelling, 2017, 51, 405-428.	4.2	20
65	A nonlocal strain gradient analysis of laminated composites and sandwich nanoplates using meshfree approach. Engineering With Computers, 2023, 39, 5-21.	6.1	16
66	Nonlocal strain gradient analysis of FG GPLRC nanoscale plates based on isogeometric approach. Engineering With Computers, 2023, 39, 857-866.	6.1	14
67	NURBS-based refined plate theory for metal foam plates with porosities. Thin-Walled Structures, 2022, 175, 109246.	5.3	12
68	A size-dependent isogeometric approach for vibration analysis of FG piezoelectric porous microplates using modified strain gradient theory. Engineering With Computers, 2022, 38, 4415-4435.	6.1	11
69	A modified strain gradient meshfree approach for functionally graded microplates. Engineering With Computers, 2022, 38, 4545-4567.	6.1	10
70	A Moving Kriging Interpolation Meshfree Method Based on Naturally Stabilized Nodal Integration Scheme for Plate Analysis. International Journal of Computational Methods, 2019, 16, 1850100.	1.3	9
71	Size-dependent nonlocal strain gradient modeling of hexagonal beryllium crystal nanoplates. International Journal of Mechanics and Materials in Design, 2021, 17, 931-945.	3.0	9
72	A Size-Dependent Functionally Graded Higher Order Plate Analysis Based on Modified Couple Stress Theory and Moving Kriging Meshfree Method. Computers, Materials and Continua, 2018, 57, 447-483.	1.9	8

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73	A size-dependent isogeometric analysis of laminated composite plates based on the nonlocal strain gradient theory. Engineering With Computers, 2023, 39, 331-345.	6.1	4
74	A moving Kriging meshfree approach for free vibration and buckling analyses of porous metal foam plates. Journal of Micromechanics and Molecular Physics, 2023, 08, 45-59.	1.2	3
75	A Naturally Stabilized Nodal Integration Meshfree Formulation for Thermo-Mechanical Analysis of Functionally Graded Material Plates. Lecture Notes in Mechanical Engineering, 2018, , 615-629.	0.4	1
76	Buckling Analysis of FG GPLRC Plate Using a Naturally Stabilized Nodal Integration Meshfree Method. Lecture Notes in Mechanical Engineering, 2022, , 189-202.	0.4	0
77	A Size-Dependent Meshfree Approach for Free Vibration Analysis of Functionally Graded Microplates Using the Modified Strain Gradient Elasticity Theory. Lecture Notes in Mechanical Engineering, 2022, , 673-690.	0.4	0