Thai Hoang Chien

List of Publications by Year
in descending order

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77 papers	5,381 citations	61984 43 h-index	82547 72 g-index
77 all docs	77 docs citations	77 times ranked	1549 citing authors

#	Article	IF	Citations
1	A nonlocal strain gradient analysis of laminated composites and sandwich nanoplates using meshfree approach. Engineering With Computers, 2023, 39, 5-21.	6.1	16
2	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
3	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
4	Nonlocal strain gradient analysis of FG GPLRC nanoscale plates based on isogeometric approach. Engineering With Computers, 2023, 39, 857-866.	6.1	14
5	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
6	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
7	A modified strain gradient meshfree approach for functionally graded microplates. Engineering With Computers, 2022, 38, 4545-4567.	6.1	10
8	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
9	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
10	A refined isogeometric plate analysis of porous metal foam microplates using modified strain gradient theory. Composite Structures, 2022, 289, 115467.	5.8	27
11	NURBS-based refined plate theory for metal foam plates with porosities. Thin-Walled Structures, 2022, 175, 109246.	5.3	12
12	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
13	A refined nonlocal isogeometric model for multilayer functionally graded graphene platelet-reinforced composite nanoplates. Thin-Walled Structures, 2021, 164, 107862.	5.3	39
14	Scale-dependent nonlocal strain gradient isogeometric analysis of metal foam nanoscale plates with various porosity distributions. Composite Structures, 2021, 268, 113949.	5.8	41
15	A nonlocal strain gradient isogeometric nonlinear analysis of nanoporous metal foam plates. Engineering Analysis With Boundary Elements, 2021, 130, 58-68.	3.7	33
16	A size dependent meshfree model for functionally graded plates based on the nonlocal strain gradient theory. Composite Structures, 2021, 272, 114169.	5.8	36
17	Optimal design of FG sandwich nanoplates using size-dependent isogeometric analysis. Mechanics of Materials, 2020, 142, 103277.	3.2	46
18	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

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19	Isogeometric nonlinear transient analysis of porous FGM plates subjected to hygro-thermo-mechanical loads. Thin-Walled Structures, 2020, 148, 106497.	5.3	56
20	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
21	A nonlocal strain gradient isogeometric model for free vibration and bending analyses of functionally graded plates. Composite Structures, 2020, 251, 112634.	5.8	71
22	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
23	Computational optimization for porosity-dependent isogeometric analysis of functionally graded sandwich nanoplates. Composite Structures, 2020, 239, 112029.	5.8	53
24	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
25	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
26	An isogeometric BÃ©zier finite element analysis for piezoelectric FG porous plates reinforced by graphene platelets. Composite Structures, 2019, 214, 227-245.	5.8	81
27	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
28	An isogeometric BÃ©zier 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
29	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
30	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
31	Porosity-dependent nonlinear transient responses of functionally graded nanoplates using isogeometric analysis. Composites Part B: Engineering, 2019, 164, 215-225.	12.0	151
32	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
33	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
34	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
35	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
36	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

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37	Isogeometric analysis of functionally graded carbon nanotube reinforced composite nanoplates using modified couple stress theory. Composite Structures, 2018, 184, 633-649.	5.8	88
38	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
39	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
40	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
41	NURBS-based analyses of functionally graded carbon nanotube-reinforced composite shells. Composite Structures, 2018, 203, 349-360.	5.8	57
42	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
43	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
44	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
45	Naturally stabilized nodal integration meshfree formulations for analysis of laminated composite and sandwich plates. Composite Structures, 2017, 178, 260-276.	5.8	51
46	Dynamic responses of Eulerâ€“Bernoulli beam subjected to moving vehicles using isogeometric approach. Applied Mathematical Modelling, 2017, 51, 405-428.	4.2	20
47	An improved moving Kriging meshfree method for plate analysis using a refined plate theory. Computers and Structures, 2016, 176, 34-49.	4.4	47
48	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
49	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
50	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
51	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
52	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
53	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
54	A generalized unconstrained theory and isogeometric finite element analysis based on BÃ©zier extraction for laminated composite plates. Engineering With Computers, 2016, 32, 457-475.	6.1	23

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55	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
56	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
57	An Edge-Based Smoothed Discrete Shear Gap Method Using theC⁰-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
58	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
59	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
60	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
61	Isogeometric analysis of functionally graded plates using a refined plate theory. Composites Part B: Engineering, 2014, 64, 222-234.	12.0	146
62	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
63	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
64	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
65	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
66	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
67	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
68	AN EDGE-BASED SMOOTHED FINITE ELEMENT METHOD FOR ANALYSIS OF LAMINATED COMPOSITE PLATES. International Journal of Computational Methods, 2013, 10, 1340005.	1.3	62
69	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
70	Isogeometric analysis of laminated composite and sandwich plates using a layerwise deformation theory. Composite Structures, 2013, 104, 196-214.	5.8	172
71	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
72	Static, free vibration, and buckling analysis of laminated composite Reissnerâ€“Mindlin plates using NURBSâ€based isogeometric approach. International Journal for Numerical Methods in Engineering, 2012, 91, 571-603.	2.8	257

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73	A cellâ€based smoothed discrete shear gap method using triangular elements for static and free vibration analyses of Reissnerâ€“Mindlin plates. International Journal for Numerical Methods in Engineering, 2012, 91, 705-741.	2.8	106
74	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
75	A cell â€” 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
76	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
77	An edge-based smoothed finite element method (ES-FEM) with stabilized discrete shear gap technique for analysis of Reissnerâ€“Mindlin plates. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 471-489.	6.6	187