

Phuc Phung-Van

List of Publications by Year in descending order

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62
papers

3,564
citations

87723

38
h-index

138251

58
g-index

62
all docs

62
docs citations

62
times ranked

1034
citing authors

#	ARTICLE	IF	CITATIONS
1	Isogeometric analysis of functionally graded carbon nanotube-reinforced composite plates using higher-order shear deformation theory. <i>Composite Structures</i> , 2015, 123, 137-149.	3.1	191
2	Nonlinear transient isogeometric analysis of smart piezoelectric functionally graded material plates based on generalized shear deformation theory under thermo-electro-mechanical loads. <i>Nonlinear Dynamics</i> , 2017, 87, 879-894.	2.7	168
3	Free vibration, buckling and bending analyses of multilayer functionally graded graphene nanoplatelets reinforced composite plates using the NURBS formulation. <i>Composite Structures</i> , 2019, 220, 749-759.	3.1	158
4	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
5	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
6	Analysis of laminated composite plates integrated with piezoelectric sensors and actuators using higher-order shear deformation theory and isogeometric finite elements. <i>Computational Materials Science</i> , 2015, 96, 495-505.	1.4	139
7	Size-dependent isogeometric analysis of functionally graded carbon nanotube-reinforced composite nanoplates. <i>Composite Structures</i> , 2017, 166, 120-135.	3.1	132
8	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
9	Static and free vibration analyses and dynamic control of composite plates integrated with piezoelectric sensors and actuators by the cell-based smoothed discrete shear gap method (CS-FEM-DSG3). <i>Smart Materials and Structures</i> , 2013, 22, 095026.	1.8	108
10	A cell-based smoothed discrete shear gap method using triangular elements for static and free vibration analyses of Reissner-Mindlin plates. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 91, 705-741.	1.5	106
11	Size dependent free vibration analysis of multilayer functionally graded GPLRC microplates based on modified strain gradient theory. <i>Composites Part B: Engineering</i> , 2019, 169, 174-188.	5.9	105
12	An efficient computational approach for control of nonlinear transient responses of smart piezoelectric composite plates. <i>International Journal of Non-Linear Mechanics</i> , 2015, 76, 190-202.	1.4	91
13	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
14	A cell-based smoothed discrete shear gap method (CS-DSG3) using triangular elements for static and free vibration analyses of shell structures. <i>International Journal of Mechanical Sciences</i> , 2013, 74, 32-45.	3.6	87
15	A size-dependent quasi-3D isogeometric model for functionally graded graphene platelet-reinforced composite microplates based on the modified couple stress theory. <i>Composite Structures</i> , 2020, 234, 111695.	3.1	87
16	Isogeometric analysis for nonlinear thermomechanical stability of functionally graded plates. <i>Composite Structures</i> , 2016, 140, 655-667.	3.1	86
17	Static, free vibration and buckling analyses of stiffened plates by CS-FEM-DSG3 using triangular elements. <i>Computers and Structures</i> , 2013, 125, 100-113.	2.4	76
18	A meshfree approach using naturally stabilized nodal integration for multilayer FG GPLRC complicated plate structures. <i>Engineering Analysis With Boundary Elements</i> , 2020, 117, 346-358.	2.0	76

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19	A nonlocal strain gradient isogeometric model for free vibration and bending analyses of functionally graded plates. <i>Composite Structures</i> , 2020, 251, 112634.	3.1	71
20	Nonlinear transient isogeometric analysis of FG-CNTRC nanoplates in thermal environments. <i>Composite Structures</i> , 2018, 201, 882-892.	3.1	70
21	A cell-based smoothed discrete shear gap method (CS-DSG3) based on the C0-type higher-order shear deformation theory for static and free vibration analyses of functionally graded plates. <i>Computational Materials Science</i> , 2013, 79, 857-872.	1.4	62
22	Geometrically nonlinear analysis of functionally graded plates using a cell-based smoothed three-node plate element (CS-MIN3) based on the C0-HSDT. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014, 270, 15-36.	3.4	62
23	Free vibration analysis of cracked Mindlin plate using an extended cell-based smoothed discrete shear gap method (XCS-DSG3). <i>Theoretical and Applied Fracture Mechanics</i> , 2014, 72, 150-163.	2.1	59
24	A cell-based smoothed three-node Mindlin plate element (CS-MIN3) for static and free vibration analyses of plates. <i>Computational Mechanics</i> , 2013, 51, 65-81.	2.2	56
25	Isogeometric nonlinear transient analysis of porous FGM plates subjected to hydro-thermo-mechanical loads. <i>Thin-Walled Structures</i> , 2020, 148, 106497.	2.7	56
26	FREE AND FORCED VIBRATION ANALYSIS USING THE n-SIDED POLYGONAL CELL-BASED SMOOTHED FINITE ELEMENT METHOD (nCS-FEM). <i>International Journal of Computational Methods</i> , 2013, 10, 1340008.	0.8	53
27	Computational optimization for porosity-dependent isogeometric analysis of functionally graded sandwich nanoplates. <i>Composite Structures</i> , 2020, 239, 112029.	3.1	53
28	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. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014, 272, 138-159.	3.4	52
29	Free vibration analysis of functionally graded anisotropic microplates using modified strain gradient theory. <i>Engineering Analysis With Boundary Elements</i> , 2020, 117, 284-298.	2.0	52
30	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. <i>Composites Part B: Engineering</i> , 2014, 60, 227-238.	5.9	50
31	A size-dependent moving Kriging meshfree model for deformation and free vibration analysis of functionally graded carbon nanotube-reinforced composite nanoplates. <i>Engineering Analysis With Boundary Elements</i> , 2020, 115, 52-63.	2.0	50
32	A cell-based smoothed finite element method using three-node shear-locking free Mindlin plate element (CS-FEM-MIN3) for dynamic response of laminated composite plates on viscoelastic foundation. <i>Engineering Analysis With Boundary Elements</i> , 2014, 42, 8-19.	2.0	47
33	A cell-based smoothed discrete shear gap method (CS-FEM-DSG3) using layerwise theory based on the C0-HSDT for analyses of composite plates. <i>Composite Structures</i> , 2014, 111, 553-565.	3.1	46
34	Optimal design of FG sandwich nanoplates using size-dependent isogeometric analysis. <i>Mechanics of Materials</i> , 2020, 142, 103277.	1.7	46
35	A cell-based smoothed discrete shear gap method (CS-FEM-DSG3) based on the C ⁰ -type higher-order shear deformation theory for dynamic responses of Mindlin plates on viscoelastic foundations subjected to a moving sprung vehicle. <i>International Journal for Numerical Methods in Engineering</i> , 2014, 98, 988-1014.	1.5	45
36	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

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37	An edge-based smoothed three-node mindlin plate element (ES-MIN3) for static and free vibration analyses of plates. <i>KSCE Journal of Civil Engineering</i> , 2014, 18, 1072-1082.	0.9	40
38	AN APPLICATION OF THE ES-FEM IN SOLID DOMAIN FOR DYNAMIC ANALYSIS OF 2D FLUID-SOLID INTERACTION PROBLEMS. <i>International Journal of Computational Methods</i> , 2013, 10, 1340003.	0.8	39
39	A cell-based smoothed three-node Mindlin plate element (CS-FEM-MIN3) based on the C0-type higher-order shear deformation for geometrically nonlinear analysis of laminated composite plates. <i>Computational Materials Science</i> , 2015, 96, 549-558.	1.4	39
40	A refined nonlocal isogeometric model for multilayer functionally graded graphene platelet-reinforced composite nanoplates. <i>Thin-Walled Structures</i> , 2021, 164, 107862.	2.7	39
41	A combined scheme of edge-based and node-based smoothed finite element methods for Reissner-Mindlin flat shells. <i>Engineering With Computers</i> , 2016, 32, 267-284.	3.5	36
42	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
43	A novel size-dependent nonlocal strain gradient isogeometric model for functionally graded carbon nanotube-reinforced composite nanoplates. <i>Engineering With Computers</i> , 2022, 38, 2027-2040.	3.5	33
44	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
45	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
46	A refined isogeometric plate analysis of porous metal foam microplates using modified strain gradient theory. <i>Composite Structures</i> , 2022, 289, 115467.	3.1	27
47	A smoothed coupled NS/nES-FEM for dynamic analysis of 2D fluid-solid interaction problems. <i>Applied Mathematics and Computation</i> , 2014, 232, 324-346.	1.4	21
48	An upper-bound limit analysis of Mindlin plates using CS-DSG3 method and second-order cone programming. <i>Journal of Computational and Applied Mathematics</i> , 2015, 281, 32-48.	1.1	20
49	An edge-based smoothed finite element method (ES-FEM) for dynamic analysis of 2D Fluid-Solid interaction problems. <i>KSCE Journal of Civil Engineering</i> , 2015, 19, 641-650.	0.9	18
50	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
51	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
52	NURBS-based refined plate theory for metal foam plates with porosities. <i>Thin-Walled Structures</i> , 2022, 175, 109246.	2.7	12
53	A coupled alpha-FEM for dynamic analyses of 2D fluid-solid interaction problems. <i>Journal of Computational and Applied Mathematics</i> , 2014, 271, 130-149.	1.1	11
54	A modified strain gradient meshfree approach for functionally graded microplates. <i>Engineering With Computers</i> , 2022, 38, 4545-4567.	3.5	10

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55	Size-dependent nonlocal strain gradient modeling of hexagonal beryllium crystal nanoplates. International Journal of Mechanics and Materials in Design, 2021, 17, 931-945.	1.7	9
56	Static and dynamic analyses of three-dimensional hollow concrete block revetments using polyhedral finite element method. Applied Ocean Research, 2019, 88, 15-28.	1.8	6
57	A size-dependent isogeometric analysis of laminated composite plates based on the nonlocal strain gradient theory. Engineering With Computers, 2023, 39, 331-345.	3.5	4
58	Size-Dependent Analysis for FG-CNTRC Nanoplates Based on Refined Plate Theory and Modified Couple Stress. Lecture Notes in Civil Engineering, 2019, , 225-237.	0.3	3
59	An isogeometric approach for size-dependent buckling analysis of FGM nanoplates. Journal of Physics: Conference Series, 2017, 842, 012085.	0.3	0
60	Buckling analysis of nanoplates using IGA. Journal of Physics: Conference Series, 2017, 843, 012016.	0.3	0
61	Fluid-Structure Interaction Analysis of Revetment Structures An Overview. Lecture Notes in Mechanical Engineering, 2018, , 723-731.	0.3	0
62	Buckling Analysis of FG GPLRC Plate Using a Naturally Stabilized Nodal Integration Meshfree Method. Lecture Notes in Mechanical Engineering, 2022, , 189-202.	0.3	0