Phuc Phung-Van

List of Publications by Year
in descending order

62 papers	3,564 citations	87888 38 h-index	138484 58 g-index
62 all docs	62 docs citations	62 times ranked	1034 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	Nonlocal strain gradient analysis of FG GPLRC nanoscale plates based on isogeometric approach. Engineering With Computers, 2023, 39, 857-866.	6.1	14
4	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
5	A modified strain gradient meshfree approach for functionally graded microplates. Engineering With Computers, 2022, 38, 4545-4567.	6.1	10
6	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
7	A refined isogeometric plate analysis of porous metal foam microplates using modified strain gradient theory. Composite Structures, 2022, 289, 115467.	5.8	27
8	NURBS-based refined plate theory for metal foam plates with porosities. Thin-Walled Structures, 2022, 175, 109246.	5.3	12
9	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
10	A refined nonlocal isogeometric model for multilayer functionally graded graphene platelet-reinforced composite nanoplates. Thin-Walled Structures, 2021, 164, 107862.	5.3	39
11	Scale-dependent nonlocal strain gradient isogeometric analysis of metal foam nanoscale plates with various porosity distributions. Composite Structures, 2021, 268, 113949.	5.8	41
12	A nonlocal strain gradient isogeometric nonlinear analysis of nanoporous metal foam plates. Engineering Analysis With Boundary Elements, 2021, 130, 58-68.	3.7	33
13	A size dependent meshfree model for functionally graded plates based on the nonlocal strain gradient theory. Composite Structures, 2021, 272, 114169.	5.8	36
14	Optimal design of FG sandwich nanoplates using size-dependent isogeometric analysis. Mechanics of Materials, 2020, 142, 103277.	3.2	46
15	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
16	Isogeometric nonlinear transient analysis of porous FGM plates subjected to hygro-thermo-mechanical loads. Thin-Walled Structures, 2020, 148, 106497.	5.3	56
17	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
18	A nonlocal strain gradient isogeometric model for free vibration and bending analyses of functionally graded plates. Composite Structures, 2020, 251, 112634.	5.8	71

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19	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
20	Computational optimization for porosity-dependent isogeometric analysis of functionally graded sandwich nanoplates. Composite Structures, 2020, 239, 112029.	5.8	53
21	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
22	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
23	Static and dynamic analyses of three-dimensional hollow concrete block revetments using polyhedral finite element method. Applied Ocean Research, 2019, 88, 15-28.	4.1	6
24	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
25	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
26	Size-Dependent Analysis for FG-CNTRC Nanoplates Based on Refined Plate Theory and Modified Couple Stress. Lecture Notes in Civil Engineering, 2019, , 225-237.	0.4	3
27	Porosity-dependent nonlinear transient responses of functionally graded nanoplates using isogeometric analysis. Composites Part B: Engineering, 2019, 164, 215-225.	12.0	151
28	Fluidâ€"Structure Interaction Analysis of Revetment Structuresâ€"An Overview. Lecture Notes in Mechanical Engineering, 2018, , 723-731.	0.4	0
29	Isogeometric analysis of functionally graded carbon nanotube reinforced composite nanoplates using modified couple stress theory. Composite Structures, 2018, 184, 633-649.	5.8	88
30	A polytree-based adaptive polygonal finite element method for topology optimization of fluid-submerged breakwater interaction. Computers and Mathematics With Applications, 2018, 76, 1198-1218.	2.7	27
31	Nonlinear transient isogeometric analysis of FG-CNTRC nanoplates in thermal environments. Composite Structures, 2018, 201, 882-892.	5.8	70
32	Size-dependent isogeometric analysis of functionally graded carbon nanotube-reinforced composite nanoplates. Composite Structures, 2017, 166, 120-135.	5.8	132
33	An isogeometric approach for size-dependent buckling analysis of FGM nanoplates. Journal of Physics: Conference Series, 2017, 842, 012085.	0.4	0
34	Buckling analysis of nanoplates using IGA. Journal of Physics: Conference Series, 2017, 843, 012016.	0.4	0
35	An isogeometric approach for size-dependent geometrically nonlinear transient analysis of functionally graded nanoplates. Composites Part B: Engineering, 2017, 118, 125-134.	12.0	141
36	Nonlinear transient isogeometric analysis of smart piezoelectric functionally graded material plates based on generalized shear deformation theory under thermo-electro-mechanical loads. Nonlinear Dynamics, 2017, 87, 879-894.	5.2	168

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37	Isogeometric analysis for nonlinear thermomechanical stability of functionally graded plates. Composite Structures, 2016, 140, 655-667.	5.8	86
38	A combined scheme of edge-based and node-based smoothed finite element methods for Reissnerâ€“Mindlin flat shells. Engineering With Computers, 2016, 32, 267-284.	6.1	36
39	An edge-based smoothed finite element method (ES-FEM) for dynamic analysis of 2D Fluid-Solid interaction problems. KSCE Journal of Civil Engineering, 2015, 19, 641-650.	1.9	18
40	An upper-bound limit analysis of Mindlin plates using CS-DSG3 method and second-order cone programming. Journal of Computational and Applied Mathematics, 2015, 281, 32-48.	2.0	20
41	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
42	Isogeometric analysis of functionally graded carbon nanotube-reinforced composite plates using higher-order shear deformation theory. Composite Structures, 2015, 123, 137-149.	5.8	191
43	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. Computational Materials Science, 2015, 96, 549-558.	3.0	39
44	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
45	A smoothed coupled NS/nES-FEM for dynamic analysis of 2D fluidâ€“solid interaction problems. Applied Mathematics and Computation, 2014, 232, 324-346.	2.2	21
46	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
47	A cell-based smoothed discrete shear gap method (CS-FEM-DSG3) using layerwise theory based on the C0-HSDT for analyses of composite plates. Composite Structures, 2014, 111, 553-565.	5.8	46
48	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. Engineering Analysis With Boundary Elements, 2014, 42, 8-19.	3.7	47
49	Geometrically nonlinear analysis of functionally graded plates using a cell-based smoothed three-node plate element (CS-MIN3) based on the C0-HSDT. Computer Methods in Applied Mechanics and Engineering, 2014, 270, 15-36.	6.6	62
50	Free vibration analysis of cracked Mindlin plate using an extended cell-based smoothed discrete shear gap method (XCS-DSG3). Theoretical and Applied Fracture Mechanics, 2014, 72, 150-163.	4.7	59
51	An edge-based smoothed three-node mindlin plate element (ES-MIN3) for static and free vibration analyses of plates. KSCE Journal of Civil Engineering, 2014, 18, 1072-1082.	1.9	40
52	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
53	A cellâ€based smoothed discrete shear gap method (CSâ€FEMâ€DSG3) based on the C⁰â€type higherâ€order shear deformation theory for dynamic responses of Mindlin plates on viscoelastic foundations subjected to a moving sprung vehicle. International Journal for Numerical Methods in Engineering, 2014, 98, 988-1014.	2.8	45
54	A coupled alpha-FEM for dynamic analyses of 2D fluidâ€“solid interaction problems. Journal of Computational and Applied Mathematics, 2014, 271, 130-149.	2.0	11

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55	A cell-based smoothed three-node Mindlin plate element (CS-MIN3) for static and free vibration analyses of plates. Computational Mechanics, 2013, 51, 65-81.	4.0	56
56	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. Computational Materials Science, 2013, 79, 857-872.	3.0	62
57	FREE AND FORCED VIBRATION ANALYSIS USING THE n-SIDED POLYGONAL CELL-BASED SMOOTHED FINITE ELEMENT METHOD (nCS-FEM). International Journal of Computational Methods, 2013, 10, 1340008.	1.3	53
58	AN APPLICATION OF THE ES-FEM IN SOLID DOMAIN FOR DYNAMIC ANALYSIS OF 2D FLUIDâ€"SOLID INTERACTION PROBLEMS. International Journal of Computational Methods, 2013, 10, 1340003.	1.3	39
59	Static, free vibration and buckling analyses of stiffened plates by CS-FEM-DSG3 using triangular elements. Computers and Structures, 2013, 125, 100-113.	4.4	76
60	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
61	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). Smart Materials and Structures, 2013, 22, 095026.	3.5	108
62	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