Phu-Cuong Nguyen

List of Publications by Year
in descending order

46 papers	885 citations	361296 20 h-index	526166 27 g-index
53 all docs	53 docs citations	53 times ranked	264 citing authors

#	Article	IF	Citations
1	Vibration analysis of FGM plates in thermal environment resting on elastic foundation using ES-MITC3 element and prediction of ANN. Case Studies in Thermal Engineering, 2021, 24, 100852.	2.8	45
2	Nonlinear elastic dynamic analysis of space steel frames with semi-rigid connections. Journal of Constructional Steel Research, 2013, 84, 72-81.	1.7	42
3	An advanced analysis method for three-dimensional steel frames with semi-rigid connections. Finite Elements in Analysis and Design, 2014, 80, 23-32.	1.7	41
4	A nonlocal quasi-3D theory for thermal free vibration analysis of functionally graded material nanoplates resting on elastic foundation. Case Studies in Thermal Engineering, 2021, 26, 101170.	2.8	40
5	Second-order plastic-hinge analysis of space semi-rigid steel frames. Thin-Walled Structures, 2012, 60, 98-104.	2.7	39
6	An efficient method for optimizing space steel frames with semi-rigid joints using practical advanced analysis and the micro-genetic algorithm. Journal of Constructional Steel Research, 2017, 128, 416-427.	1.7	38
7	Free vibration of functionally graded porous non-uniform thickness annular-nanoplates resting on elastic foundation using ES-MITC3 element. AEJ - Alexandria Engineering Journal, 2022, 61, 1788-1802.	3.4	35
8	Dynamic instability of magnetically embedded functionally graded porous nanobeams using the strain gradient theory. AEJ - Alexandria Engineering Journal, 2022, 61, 10025-10044.	3.4	33
9	Nonlinear inelastic time-history analysis of three-dimensional semi-rigid steel frames. Journal of Constructional Steel Research, 2014, 101, 192-206.	1.7	32
10	Second-order spread-of-plasticity approach for nonlinear time-history analysis of space semi-rigid steel frames. Finite Elements in Analysis and Design, 2015, 105, 1-15.	1.7	32
11	Geometrically nonlinear postbuckling behavior of imperfect FG-CNTRC shells under axial compression using isogeometric analysis. European Journal of Mechanics, A/Solids, 2020, 84, 104066.	2.1	32
12	Dynamic response of porous functionally graded sandwich nanoplates using nonlocal higher-order isogeometric analysis. Composite Structures, 2022, 290, 115565.	3.1	32
13	Bending and hygro-thermo-mechanical vibration analysis of a functionally graded porous sandwich nanoshell resting on elastic foundation. Mechanics of Advanced Materials and Structures, 2022, 29, 5885-5905.	1.5	30
14	Free vibration response of auxetic honeycomb sandwich plates using an improved higher-order ES-MITC3 element and artificial neural network. Thin-Walled Structures, 2022, 175, 109203.	2.7	30
15	A new improved fiber plastic hinge method accounting for lateral-torsional buckling of 3D steel frames. Thin-Walled Structures, 2018, 127, 666-675.	2.7	29
16	Effects of partially supported elastic foundation on free vibration of FGP plates using ES-MITC3 elements. Ain Shams Engineering Journal, 2022, 13, 101615.	3.5	29
17	Isogeometric analysis for free vibration of bidirectional functionally graded plates in the fluid medium. Defence Technology, 2022, 18, 1311-1329.	2.1	27
18	Nonlinear inelastic response history analysis of steel frame structures using plastic-zone method. Thin-Walled Structures, 2014, 85, 220-233.	2.7	26

#	Article	IF	Citations
19	Distributed plasticity approach for time-history analysis of steel frames including nonlinear connections. Journal of Constructional Steel Research, 2014, 100, 36-49.	1.7	24
20	Investigating effects of various base restraints on the nonlinear inelastic static and seismic responses of steel frames. International Journal of Non-Linear Mechanics, 2017, 89, 151-167.	1.4	24
21	A simple solution for prefabricated vertical drain with surcharge preloading combined with vacuum consolidation. Geotextiles and Geomembranes, 2021, 49, 304-322.	2.3	22
22	Advanced analysis for planar steel frames with semi-rigid connections using plastic-zone method. Steel and Composite Structures, 2016, 21, 1121-1144.	1.3	21
23	Free vibration analysis of nanoplates with auxetic honeycomb core using a new third-order finite element method and nonlocal elasticity theory. Engineering With Computers, 2023, 39, 233-251.	3.5	21
24	Distributed plasticity approach for the nonlinear structural assessment of offshore wind turbine. International Journal of Naval Architecture and Ocean Engineering, 2020, 12, 743-754.	1.0	17
25	Dynamic stability analysis of porous functionally graded microplates using a refined isogeometric approach. Composite Structures, 2022, 284, 115086.	3.1	16
26	Modified Numerical Modeling of Axially Loaded Concrete-Filled Steel Circular-Tube Columns. Engineering, Technology & Applied Science Research, 2021, 11, 7094-7099.	0.8	15
27	Finite element simulation of normal – Strength CFDST members with shear connectors under bending loading. Engineering Structures, 2021, 238, 112011.	2.6	14
28	Nonlinear Inelastic Earthquake Analysis of 2D Steel Frames. Engineering, Technology & Applied Science Research, 2020, 10, 6393-6398.	0.8	12
29	Perturbation based stochastic isogeometric analysis for bending of functionally graded plates with the randomness of elastic modulus. Latin American Journal of Solids and Structures, 2020, 17, .	0.6	11
30	A new discrete method for solution to consolidation problem of ground with vertical drains subjected to surcharge and vacuum loadings. Engineering Computations, 2019, 37, 1213-1236.	0.7	10
31	Nonlinear Inelastic Analysis of 2D Steel Frames. Engineering, Technology & Applied Science Research, 2020, 10, 5974-5978.	0.8	10
32	Nonlinear time-history earthquake analysis for steel frames. Heliyon, 2021, 7, e06832.	1.4	8
33	Effects of Shaft Grouting on the Bearing Behavior of Barrette Piles: A Case Study in Ho Chi Minh City. Engineering, Technology & Applied Science Research, 2021, 11, 7653-7657.	0.8	8
34	Probabilistic Seismic Demand Model and Seismic Fragility Analysis of NPP Equipment Subjected to High- and Low-Frequency Earthquakes. Nuclear Science and Engineering, 2021, 195, 1327-1346.	0.5	5
35	Impacts of residual stress and shear deformation on 2D steel frames using fiber plastic hinge element: nonlinear behavior and strength. SN Applied Sciences, 2021, 3, 1.	1.5	5
36	Simulation of Concrete-Filled Steel Box Columns. Lecture Notes in Civil Engineering, 2020, , 359-366.	0.3	5

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37	Stochastic Free Vibration Analysis of Beam on Elastic Foundation with the Random Field of Young's Modulus Using Finite Element Method and Monte Carlo Simulation. Lecture Notes in Civil Engineering, 2022, , 499-506.	0.3	5
38	Comparative Structural and Non-structural Properties of Ultra High-performance Steel-fiber-reinforced Concretes and High-Performance Steel-fiber-reinforced Concretes*. , 2018, , .		4
39	Evaluation of Response Variability of Euler–Bernoulli Beam Resting on Foundation Due to Randomness in Elastic Modulus. Lecture Notes in Civil Engineering, 2020, , 1087-1092.	0.3	2
40	Reliability analysis of concrete-filled steel tube columns under axial compression. AIP Conference Proceedings, 2021, , .	0.3	1
41	Static Analysis of Stiffened Shells Using an Edge-Based Smoothed MITC3 (ES-MITC3) Method. Mathematical Problems in Engineering, 2021, 2021, 1-9.	0.6	1
42	Characteristics of Semi-rigid Steel Frames with Fuzzy Variables. Lecture Notes in Civil Engineering, 2021, , 103-111.	0.3	0
43	Optimization of Rigid Steel Frames Using Direct Analysis and Improved Differential Evolution Considering Frequency Constraints. Lecture Notes in Civil Engineering, 2021, , 113-120.	0.3	0
44	Analyze Shear Strain of Inhomogeneous Soil Considering Interaction Between SFRC Foundation and Soil. Lecture Notes in Civil Engineering, 2020, , 627-635.	0.3	0
45	Advanced Analysis Software for Steel Frames. Lecture Notes in Civil Engineering, 2020, , 69-74.	0.3	0
46	Nonlinear Inelastic Analysis for Steel Frames. Lecture Notes in Civil Engineering, 2020, , 311-317.	0.3	0