Trung Vo-Duy

List of Publications by Year
in descending order

31 papers	1,262 citations	394421 19 h-index	434195 31 g-index
31 all docs	31 docs citations	31 times ranked	909 citing authors

#	Article	IF	Citations
1	An adaptive elitist differential evolution for optimization of truss structures with discrete design variables. Computers and Structures, 2016, 165, 59-75.	4.4	150
2	Multi-objective optimization of laminated composite beam structures using NSGA-II algorithm. Composite Structures, 2017, 168, 498-509.	5.8	102
3	A two-step approach for damage detection in laminated composite structures using modal strain energy method and an improved differential evolution algorithm. Composite Structures, 2016, 147, 42-53.	5.8	97
4	An improved differential evolution based on roulette wheel selection for shape and size optimization of truss structures with frequency constraints. Neural Computing and Applications, 2018, 29, 167-185.	5.6	97
5	Efficiency of Jaya algorithm for solving the optimization-based structural damage identification problem based on a hybrid objective function. Engineering Optimization, 2018, 50, 1233-1251.	2.6	94
6	Optimal design of truss structures with frequency constraints using improved differential evolution algorithm based on an adaptive mutation scheme. Automation in Construction, 2016, 68, 81-94.	9.8	62
7	Optimization of laminated composite plates for maximizing buckling load using improved differential evolution and smoothed finite element method. Composite Structures, 2016, 146, 132-147.	5.8	59
8	An efficient multi-stage optimization approach for damage detection in plate structures. Advances in Engineering Software, 2017, 112, 76-87.	3.8	54
9	A global numerical approach for lightweight design optimization of laminated composite plates subjected to frequency constraints. Composite Structures, 2017, 159, 646-655.	5.8	53
10	An isogeometric approach for dynamic response of laminated FG-CNT reinforced composite plates integrated with piezoelectric layers. Computer Methods in Applied Mechanics and Engineering, 2018, 332, 25-46.	6.6	52
11	Free vibration analysis of laminated FG-CNT reinforced composite beams using finite element method. Frontiers of Structural and Civil Engineering, 2019, 13, 324-336.	2.9	51
12	Damage assessment in plate-like structures using a two-stage method based on modal strain energy change and Jaya algorithm. Inverse Problems in Science and Engineering, 2019, 27, 166-189.	1.2	48
13	Damage assessment in truss structures with limited sensors using a two-stage method and model reduction. Applied Soft Computing Journal, 2018, 66, 264-277.	7.2	39
14	An efficient combination of multi-objective evolutionary optimization and reliability analysis for reliability-based design optimization of truss structures. Expert Systems With Applications, 2018, 102, 262-272.	7.6	34
15	Static and free vibration analyses of stiffened folded plates using a cell-based smoothed discrete shear gap method (CS-FEM-DSG3). Applied Mathematics and Computation, 2015, 266, 212-234.	2.2	32
16	Damage Detection in Laminated Composite Plates Using Modal Strain Energy and Improved Differential Evolution Algorithm. Procedia Engineering, 2016, 142, 182-189.	1.2	32
17	A two-stage assessment method using damage locating vector method and differential evolution algorithm for damage identification of cross-ply laminated composite beams. Advances in Structural Engineering, 2017, 20, 1807-1827.	2.4	25
18	Static and Free Vibration Analyses of Functionally Graded Carbon Nanotube Reinforced Composite Plates using CS-DSG3. International Journal of Computational Methods, 2020, 17, 1850133.	1.3	21

#	Article	IF	Citations
19	An Extended Cell-Based Smoothed Three-Node Mindlin Plate Element (XCS-MIN3) for Free Vibration Analysis of Cracked FGM Plates. International Journal of Computational Methods, 2017, 14, 1750011.	1.3	20
20	Modified genetic algorithm-based clustering for probability density functions. Journal of Statistical Computation and Simulation, 2017, 87, 1964-1979.	1.2	20
21	Development of the Cell-based Smoothed Discrete Shear Gap Plate Element (CS-FEM-DSG3) using Three-Node Triangles. International Journal of Computational Methods, 2015, 12, 1540015.	1.3	19
22	An Effective Couple Method for Reliability-Based Multi-Objective Optimization of Truss Structures with Static and Dynamic Constraints. International Journal of Computational Methods, 2020, 17, 1950016.	1.3	18
23	Frequency optimization of laminated functionally graded carbon nanotube reinforced composite quadrilateral plates using smoothed FEM and evolution algorithm. Journal of Composite Materials, 2018, 52, 1971-1986.	2.4	14
24	A global single-loop deterministic approach for reliability-based design optimization of truss structures with continuous and discrete design variables. Engineering Optimization, 2018, 50, 2071-2090.	2.6	13
25	A combination of damage locating vector method (DLV) and differential evolution algorithm (DE) for structural damage assessment. Frontiers of Structural and Civil Engineering, 2018, 12, 92-108.	2.9	13
26	Maximization of the fundamental frequency of the FG-CNTRC quadrilateral plates using a new hybrid PSOG algorithm. Composite Structures, 2022, 295, 115823.	5.8	13
27	Damage assessment of laminated composite beam structures using damage locating vector (DLV) method. Frontiers of Structural and Civil Engineering, 2015, 9, 457-465.	2.9	12
28	Extraction dependence structure of distorted copulas via a measure of dependence. Annals of Operations Research, 2017, 256, 221-236.	4.1	6
29	Static and Free Vibration Analysis of Stiffened Flat Shells by a Cell-Based Smoothed Discrete Shear Gap Method (CS-FEM-DSG3) Using Three-Node Triangular Elements. International Journal of Computational Methods, 2018, 15, 1850056.	1.3	6
30	A New Measure of Monotone Dependence by Using Sobolev Norms for Copula. Lecture Notes in Computer Science, 2015, , 126-137.	1.3	4
31	A Type of Novel Nonlinear Distributions for Improving Significantly the Stiffness of Carbon Nanotube-Reinforced Composite Beams. International Journal of Computational Methods, 2020, 17, 1950057.	1.3	2