

Trung Vo-Duy

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,262
citations

394286

19
h-index

434063

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. <i>Computers and Structures</i> , 2016, 165, 59-75.	2.4	150
2	Multi-objective optimization of laminated composite beam structures using NSGA-II algorithm. <i>Composite Structures</i> , 2017, 168, 498-509.	3.1	102
3	A two-step approach for damage detection in laminated composite structures using modal strain energy method and an improved differential evolution algorithm. <i>Composite Structures</i> , 2016, 147, 42-53.	3.1	97
4	An improved differential evolution based on roulette wheel selection for shape and size optimization of truss structures with frequency constraints. <i>Neural Computing and Applications</i> , 2018, 29, 167-185.	3.2	97
5	Efficiency of Jaya algorithm for solving the optimization-based structural damage identification problem based on a hybrid objective function. <i>Engineering Optimization</i> , 2018, 50, 1233-1251.	1.5	94
6	Optimal design of truss structures with frequency constraints using improved differential evolution algorithm based on an adaptive mutation scheme. <i>Automation in Construction</i> , 2016, 68, 81-94.	4.8	62
7	Optimization of laminated composite plates for maximizing buckling load using improved differential evolution and smoothed finite element method. <i>Composite Structures</i> , 2016, 146, 132-147.	3.1	59
8	An efficient multi-stage optimization approach for damage detection in plate structures. <i>Advances in Engineering Software</i> , 2017, 112, 76-87.	1.8	54
9	A global numerical approach for lightweight design optimization of laminated composite plates subjected to frequency constraints. <i>Composite Structures</i> , 2017, 159, 646-655.	3.1	53
10	An isogeometric approach for dynamic response of laminated FG-CNT reinforced composite plates integrated with piezoelectric layers. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 332, 25-46.	3.4	52
11	Free vibration analysis of laminated FG-CNT reinforced composite beams using finite element method. <i>Frontiers of Structural and Civil Engineering</i> , 2019, 13, 324-336.	1.2	51
12	Damage assessment in plate-like structures using a two-stage method based on modal strain energy change and Jaya algorithm. <i>Inverse Problems in Science and Engineering</i> , 2019, 27, 166-189.	1.2	48
13	Damage assessment in truss structures with limited sensors using a two-stage method and model reduction. <i>Applied Soft Computing Journal</i> , 2018, 66, 264-277.	4.1	39
14	An efficient combination of multi-objective evolutionary optimization and reliability analysis for reliability-based design optimization of truss structures. <i>Expert Systems With Applications</i> , 2018, 102, 262-272.	4.4	34
15	Static and free vibration analyses of stiffened folded plates using a cell-based smoothed discrete shear gap method (CS-FEM-DSG3). <i>Applied Mathematics and Computation</i> , 2015, 266, 212-234.	1.4	32
16	Damage Detection in Laminated Composite Plates Using Modal Strain Energy and Improved Differential Evolution Algorithm. <i>Procedia Engineering</i> , 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. <i>Advances in Structural Engineering</i> , 2017, 20, 1807-1827.	1.2	25
18	Static and Free Vibration Analyses of Functionally Graded Carbon Nanotube Reinforced Composite Plates using CS-DSG3. <i>International Journal of Computational Methods</i> , 2020, 17, 1850133.	0.8	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. <i>International Journal of Computational Methods</i> , 2017, 14, 1750011.	0.8	20
20	Modified genetic algorithm-based clustering for probability density functions. <i>Journal of Statistical Computation and Simulation</i> , 2017, 87, 1964-1979.	0.7	20
21	Development of the Cell-based Smoothed Discrete Shear Gap Plate Element (CS-FEM-DSG3) using Three-Node Triangles. <i>International Journal of Computational Methods</i> , 2015, 12, 1540015.	0.8	19
22	An Effective Couple Method for Reliability-Based Multi-Objective Optimization of Truss Structures with Static and Dynamic Constraints. <i>International Journal of Computational Methods</i> , 2020, 17, 1950016.	0.8	18
23	Frequency optimization of laminated functionally graded carbon nanotube reinforced composite quadrilateral plates using smoothed FEM and evolution algorithm. <i>Journal of Composite Materials</i> , 2018, 52, 1971-1986.	1.2	14
24	A global single-loop deterministic approach for reliability-based design optimization of truss structures with continuous and discrete design variables. <i>Engineering Optimization</i> , 2018, 50, 2071-2090.	1.5	13
25	A combination of damage locating vector method (DLV) and differential evolution algorithm (DE) for structural damage assessment. <i>Frontiers of Structural and Civil Engineering</i> , 2018, 12, 92-108.	1.2	13
26	Maximization of the fundamental frequency of the FG-CNTRC quadrilateral plates using a new hybrid PSO algorithm. <i>Composite Structures</i> , 2022, 295, 115823.	3.1	13
27	Damage assessment of laminated composite beam structures using damage locating vector (DLV) method. <i>Frontiers of Structural and Civil Engineering</i> , 2015, 9, 457-465.	1.2	12
28	Extraction dependence structure of distorted copulas via a measure of dependence. <i>Annals of Operations Research</i> , 2017, 256, 221-236.	2.6	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. <i>International Journal of Computational Methods</i> , 2018, 15, 1850056.	0.8	6
30	A New Measure of Monotone Dependence by Using Sobolev Norms for Copula. <i>Lecture Notes in Computer Science</i> , 2015, , 126-137.	1.0	4
31	A Type of Novel Nonlinear Distributions for Improving Significantly the Stiffness of Carbon Nanotube-Reinforced Composite Beams. <i>International Journal of Computational Methods</i> , 2020, 17, 1950057.	0.8	2