

# Guikai Guo

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Topology optimization of thin-walled cross section using moving morphable components approach. Structural and Multidisciplinary Optimization, 2021, 63, 2159-2176.	3.5	8
2	Multi-Objective Optimization of MIG Welding and Preheat Parameters for 6061-T6 Al Alloy T-Joints Using Artificial Neural Networks Based on FEM. Coatings, 2021, 11, 998.	2.6	9
3	Lightweight Design of CFRP-Laminated Structures by Combining Microscopical Homogenization and Macroscopical Optimization. International Journal of Automotive Technology, 2021, 22, 1427-1436.	1.4	3
4	Structural Dynamic Modification Based on Combined Approximations Method. E3S Web of Conferences, 2021, 252, 03032.	0.5	1
5	Coupling Magneto-Electro-Elastic node-based smoothed radial point interpolation method for free vibration and transient analysis of Functionally Graded Magneto-Electro-Elastic structures. Chinese Journal of Aeronautics, 2020, 33, 227-243.	5.3	12
6	Comparison of gradient and nongradient algorithms in the structural optimization course. International Journal of Mechanical Engineering Education, 2019, 47, 275-290.	1.0	4
7	Variable Cross-Section Rectangular Beam and Sensitivity Analysis for Lightweight Design of Bus Frame. International Journal of Automotive Technology, 2018, 19, 1033-1040.	1.4	10
8	Sensitivity reanalysis of vibration problem using combined approximations method. Structural and Multidisciplinary Optimization, 2017, 55, 1399-1405.	3.5	21
9	Reanalysis for Structures with Close Frequencies Based on an Improved CA Method. , 2015, , .		0
10	EFESTS: Educational finite element software for truss structure. Part II: Linear static analysis. International Journal of Mechanical Engineering Education, 2014, 42, 307-319.	1.0	5
11	Efficient Procedures of Sensitivity Analysis for Structural Vibration Systems with Repeated Frequencies. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.9	2
12	Vibration reanalysis using frequency-shift combined approximations. Structural and Multidisciplinary Optimization, 2011, 44, 235-246.	3.5	10
13	A New Static Reanalysis Method of Topological Modifications with Added Degrees of Freedom. , 2010, , .		0