

Tao Xu

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

217
citations

1478505

6
h-index

1058476

14
g-index

25
all docs

25
docs citations

25
times ranked

223
citing authors

#	ARTICLE	IF	CITATIONS
1	Bionics and Human Biomechanics Applied in Intelligent Crash Tests of Cars. Applied Bionics and Biomechanics, 2019, 2019, 1-2.	1.1	0
2	Optimization of the welding sequence and direction for the side beam of a bogie frame based on the discrete particle swarm algorithm. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2018, 232, 1423-1435.	2.4	3
3	Development and Validation of Dummies and Human Models Used in Crash Test. Applied Bionics and Biomechanics, 2018, 2018, 1-12.	1.1	24
4	Dynamic Modelling and Simulation of a Deployable Quadrotor. , 2018, , .		3
5	A Novel Hybrid Algorithm for Solving Multiobjective Optimization Problems with Engineering Applications. Mathematical Problems in Engineering, 2018, 2018, 1-15.	1.1	7
6	Heat Transfer Designed for Bionic Surfaces with Rib Turbulators Inspired by Alopias Branchial Arch in a Simplified Gas Turbine Transition Piece. Applied Sciences (Switzerland), 2018, 8, 820.	2.5	3
7	Multi-objective optimization of gas metal arc welding parameters and sequences for low-carbon steel (Q345D) T-joints. Journal of Iron and Steel Research International, 2017, 24, 544-555.	2.8	28
8	A reconfigurable quadcopter with foldable rotor arms and a deployable carrier. , 2017, , .		5
9	Crashworthiness Design for Bionic Bumper Structures Inspired by Cattail and Bamboo. Applied Bionics and Biomechanics, 2017, 2017, 1-9.	1.1	30
10	Numerical Simulation of Impingement Cooling Double Chamber Model with Cross Coolant Hole Arrangements. Journal of Computational and Theoretical Nanoscience, 2016, 13, 2049-2055.	0.4	1
11	An Efficient Hybrid Algorithm for Multiobjective Optimization Problems with Upper and Lower Bounds in Engineering. Mathematical Problems in Engineering, 2015, 2015, 1-13.	1.1	4
12	Simulation of Impinging Cooling Performance with Pin Fins and Mist Cooling Adopted in a Simplified Gas Turbine Transition Piece. Advances in Mathematical Physics, 2014, 2014, 1-11.	0.8	1
13	Numerical Simulation on the Effect of Turbulence Models on Impingement Cooling of Double Chamber Model. Mathematical Problems in Engineering, 2013, 2013, 1-8.	1.1	5
14	Efficient Procedures of Sensitivity Analysis for Structural Vibration Systems with Repeated Frequencies. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.9	2
15	Computational Analysis of Droplet Mass and Size Effect on Mist/Air Impingement Cooling Performance. Advances in Mechanical Engineering, 2013, 5, 181856.	1.6	4
16	A Trust Region Interior Point Algorithm for Truss Structural Optimization Problems. , 2011, , .		0
17	Fast structural optimization with frequency constraints by genetic algorithm using adaptive eigenvalue reanalysis methods. Structural and Multidisciplinary Optimization, 2011, 43, 799-810.	3.5	72
18	Vibration reanalysis using frequency-shift combined approximations. Structural and Multidisciplinary Optimization, 2011, 44, 235-246.	3.5	10

#	ARTICLE	IF	CITATIONS
19	The Extrapolation method for structural static reanalysis of topological modifications with added degrees of freedom. , 2011, , .		0
20	A New Static Reanalysis Method of Topological Modifications with Added Degrees of Freedom. , 2010, , .		0
21	Crashworthiness Design of Frontal Rail Using Strain-Energy-Density and Topology Optimization Approach. , 2010, , .		1
22	Study on Weight Function of Meshless Method Based on B-spline Wavelet Function. , 2010, , .		5
23	Balanced Multiwavelet and Its Application in Image Compressing. , 2006, , .		0
24	Using multi-matching system based on a simplified deformable model of the human iris for iris recognition. Journal of Bionic Engineering, 2004, 1, 183-190.	5.0	3
25	Gabor Filter Optimization Design for Iris Texture Analysis. Journal of Bionic Engineering, 2004, 1, 72-78.	5.0	6