Shuyue Wang

List of Publications by Year
in descending order

19 papers	**282** citations	1040056 **9** h-index	996975 **15** g-index
19 all docs	**19** docs citations	**19** times ranked	**114** citing authors

#	Article	IF	Citations
1	Artificial neural network based inverse design: Airfoils and wings. Aerospace Science and Technology, 2015, 42, 415-428.	4.8	71
2	A review of the artificial neural network surrogate modeling in aerodynamic design. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2019, 233, 5863-5872.	1.3	66
3	Database self-expansion based on artificial neural network: An approach in aircraft design. Aerospace Science and Technology, 2018, 72, 77-83.	4.8	29
4	A PCA–ANN-based inverse design model of stall lift robustness for high-lift device. Aerospace Science and Technology, 2018, 81, 272-283.	4.8	23
5	Multi-Objective Optimization of Cascade Blade Profile Based on Reinforcement Learning. Applied Sciences (Switzerland), 2021, 11, 106.	2.5	23
6	Framework of nacelle inverse design method based on improved generative adversarial networks. Aerospace Science and Technology, 2022, 121, 107365.	4.8	13
7	Design and analysis of micro-nano scale nested-grooved surface structure for drag reduction based on 'Vortex-Driven Design'. European Journal of Mechanics, B/Fluids, 2021, 85, 335-350.	2.5	12
8	Natural Laminar Flow Optimization of Transonic Nacelle Based on Differential Evolution Algorithm. Journal of Aerospace Engineering, 2019, 32, 06019001.	1.4	11
9	A nacelle inlet design approach with more three-dimensional geometric consideration. Aerospace Science and Technology, 2021, 112, 106624.	4.8	9
10	The Objective Space and the Formulation of Design Requirement in Natural Laminar Flow Optimization. Applied Sciences (Switzerland), 2020, 10, 5943.	2.5	8
11	A boundary surrogate model for micro/nano grooved surface structure applied in turbulence flow control over airfoil. Chinese Journal of Aeronautics, 2022, 35, 62-73.	5.3	5
12	A novel ANN-Based boundary strategy for modeling micro/nanopatterns on airfoil with improved aerodynamic performances. Aerospace Science and Technology, 2022, 121, 107347.	4.8	5
13	Aerodynamic surrogate model based on deep long short-term memory network: An application on high-lift device control. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110270.	1.3	3
14	Modifications of class-shape transformation driven by aerodynamic concerns over leading-edge region. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 2021, 235, 1930-1938.	1.3	1
15	Laminar Transition over Airfoil: Numerical Simulation of Turbulence Models and Experiment Validation. Lecture Notes in Electrical Engineering, 2019, , 1623-1632.	0.4	1
16	Nacelle Inlet Optimization at High Angles of Attack Based on the Ensemble Indicator Method. Journal of Aerospace Engineering, 2022, 35, .	1.4	1
17	An approach of Proper Orthogonal Decomposition-aided Free-form Deformation with application in compressor blade design. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002210750.	1.3	1
18	New approach of inverse design of transonic compressor rotor blade via prescribed isentropic Mach distributions without modification of governing equations. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , 095441002110324.	1.3	0

#	ARTICLE	IF	CITATIONS
19	A new moving mass control method for fluid structure interaction problems. Physics of Fluids, 2021, 33, 123102.	4.0	0