

Jiaqi Luo

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

263
citations

1040056

9
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

131
citing authors

#	ARTICLE	IF	CITATIONS
1	A gradient-based method assisted by surrogate model for robust optimization of turbomachinery blades. Chinese Journal of Aeronautics, 2022, 35, 1-7.	5.3	9
2	Impact of inlet flow angle variation on the performance of a transonic compressor blade using NIPC. AIP Advances, 2022, 12, .	1.3	3
3	A throughflow-based optimization method for multi-stage axial compressor. AIP Advances, 2021, 11, 115207.	1.3	2
4	Optimal Tolerance Allocation in Blade Manufacturing by Sensitivity-Based Performance Impact Evaluation. Journal of Propulsion and Power, 2020, 36, 632-638.	2.2	10
5	Statistical evaluation of performance impact of flow variations for a transonic compressor rotor blade. Energy, 2019, 189, 116285.	8.8	7
6	Performance impact of flow and geometric variations for a turbine blade using an adaptive NIPC method. Aerospace Science and Technology, 2019, 90, 127-139.	4.8	26
7	Design optimization of the last stage of a 4.5-stage compressor using a POD-based hybrid model. Aerospace Science and Technology, 2018, 76, 303-314.	4.8	34
8	Statistical evaluation of performance impact of manufacturing variability by an adjoint method. Aerospace Science and Technology, 2018, 77, 471-484.	4.8	33
9	Turbine Blade Row Optimization Through Endwall Contouring by an Adjoint Method. Journal of Propulsion and Power, 2015, 31, 505-518.	2.2	30
10	Multipoint Design Optimization of a Transonic Compressor Blade by Using an Adjoint Method. Journal of Turbomachinery, 2014, 136, .	1.7	48
11	Aerodynamic design optimization by using a continuous adjoint method. Science China: Physics, Mechanics and Astronomy, 2014, 57, 1363-1375.	5.1	14
12	Three-Dimensional Aerodynamic Design Optimization of a Turbine Blade by Using an Adjoint Method. Journal of Turbomachinery, 2011, 133, .	1.7	46