Jiaqi Luo

List of Publications by Year
in descending order

12	263	1040056 9	1125743 13
papers	citations	h-index	g-index

13	13	13	131
all docs	docs citations	times ranked	citing authors

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