Michael J Wagner

List of Publications by Year
in descending order

19 papers	667 citations	1937685 4 h-index	1474206 9 g-index
22 all docs	22 docs citations	22 times ranked	575 citing authors

#	Article	IF	Citations
1	Thermodynamic Study of Advanced Supercritical Carbon Dioxide Power Cycles for Concentrating Solar Power Systems. Journal of Solar Energy Engineering, Transactions of the ASME, 2013, 135, .	1.8	358
2	Optimized dispatch in a first-principles concentrating solar power production model. Applied Energy, 2017, 203, 959-971.	10.1	61
3	Thermodynamic Study of Advanced Supercritical Carbon Dioxide Power Cycles for High Performance Concentrating Solar Power Systems. , 2012, , .		39
4	Simulation of Utility-Scale Central Receiver System Power Plants. , 2009, , .		36
5	Dispatch optimization of concentrating solar power with utility-scale photovoltaics. Optimization and Engineering, 2020, 21, 335-369.	2.4	32
6	Estimating Atmospheric Attenuation in Central Receiver Systems. , 2012, , .		25
7	Off-design performance of molten salt-driven Rankine cycles and its impact on the optimal dispatch of concentrating solar power systems. Energy Conversion and Management, 2020, 220, 113025.	9.2	25
8	A Direct-Steam Linear Fresnel Performance Model for NRELâ€™S System Advisor Model. , 2012, , .		17
9	The Impact of Hybrid Wet/Dry Cooling on Concentrating Solar Power Plant Performance. , 2010, , .		10
10	Simulation of Direct Steam Power Tower Concentrated Solar Plant. , 2012, , .		6
11	CSP-plant modeling guidelines and compliance of the system advisor model (SAM). AIP Conference Proceedings, 2019, , .	0.4	6
12	Modeling of a Parabolic Trough Solar Field for Acceptance Testing: A Case Study. , 2011, , .		5
13	General Performance Metrics and Applications to Evaluate Various Thermal Energy Storage Technologies. , 2012, , .		3
14	Modeling of Combined Lead Fast Reactor and Concentrating Solar Power Supercritical Carbon Dioxide Cycles to Demonstrate Feasibility, Efficiency Gains, and Cost Reductions. Sustainability, 2021, 13, 12428.	3.2	3
15	Dispatch Optimization, System Design and Cost Benefit Analysis of a Nuclear Reactor with Molten Salt Thermal Storage. Energies, 2022, 15, 3599.	3.1	3
16	Comparison of optical modelling tools for sunshape and surface slope error. AIP Conference Proceedings, 2018, , .	0.4	2
17	Black-box optimization for design of concentrating solar power and photovoltaic hybrid systems with optimal dispatch decisions. AIP Conference Proceedings, 2020, , .	0.4	1
18	Optimal heliostat assignment strategy for multiple-receiver systems. AIP Conference Proceedings, 2020, , .	0.4	0

#	Article	IF	Citations
19	Demonstrating <scp>solarpilot</scp>â€™s Python Application Programmable Interface Through Heliostat Optimal Aimpoint Strategy Use Case. Journal of Solar Energy Engineering, Transactions of the ASME, 2022, 144, .	1.8	0