Azadeh Jafari

List of Publications by Year
in descending order

14	140	1478505 6	1281871 11
papers	citations	h-index	g-index

14	14	14	34
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Correlating turbulence intensity and length scale with the unsteady lift force on flat plates in an atmospheric boundary layer flow. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 189, 218-230.	3.9	26
2	Hinge and overturning moments due to unsteady heliostat pressure distributions in a turbulent atmospheric boundary layer. Solar Energy, 2019, 193, 604-617.	6.1	26
3	Measurement of unsteady wind loads in a wind tunnel: Scaling of turbulence spectra. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 193, 103955.	3.9	25
4	The influence of atmospheric boundary layer turbulence on the design wind loads and cost of heliostats. Solar Energy, 2020, 207, 796-812.	6.1	19
5	A review of static and dynamic heliostat wind loads. Solar Energy, 2021, 225, 60-82.	6.1	13
6	A method for the calculation of the design wind loads on heliostats. AIP Conference Proceedings, 2019, , .	0.4	6
7	Turbulence characteristics in the wake of a heliostat in an atmospheric boundary layer flow. Physics of Fluids, 2020, 32, .	4.0	4
8	Wind load design considerations for the elevation and azimuth drives of a heliostat. AIP Conference Proceedings, 2020, , .	0.4	4
9	An experimental investigation of unsteady pressure distribution on tandem heliostats. AIP Conference Proceedings, 2020, , .	0.4	4
10	Finite-length porous surfaces for control of a turbulent boundary layer. Physics of Fluids, 2022, 34, .	4.0	4
11	A summary of experimental studies on heliostat wind loads in a turbulent atmospheric boundary layer. AIP Conference Proceedings, 2020, , .	0.4	3
12	A feasibility study on the application of mesh grids for heliostat wind load reduction. Solar Energy, 2022, 240, 121-130.	6.1	3
13	Wire mesh fences for manipulation of turbulence energy spectrum. Experiments in Fluids, 2021, 62, 1.	2.4	2
14	Stowing strategy for a heliostat field based on wind speed and direction. AIP Conference Proceedings, 2022, , .	0.4	1