Samira Garshasbi

List of Publications by Year
in descending order

17 papers	714 citations	840776 11 h-index	996975 15 g-index
17 all docs	17 docs citations	17 times ranked	744 citing authors

#	Article	IF	Citations
1	Analyzing the Impact of Urban Planning and Building Typologies in Urban Heat Island Mitigation. Buildings, 2022, 12, 537.	3.1	13
2	Adjusting optical and fluorescent properties of quantum dots: Moving towards best optical heat-rejecting materials. Solar Energy, 2022, 238, 272-279.	6.1	7
3	Urban Mitigation Potential of Quantum Dots and Transpiration Cooling: Transpiration Cooling to Mitigate Urban Overheating. , 2022, , 3759-3785.		1
4	Urban Mitigation Potential of Quantum Dots and Transpiration Cooling: Transpiration Cooling to Mitigate Urban Overheating. , 2021, , 1-27.		1
5	Enhancing the cooling potential of photoluminescent materials through evaluation of thermal and transmission loss mechanisms. Scientific Reports, 2021, 11, 14725.	3.3	5
6	On the potential of building adaptation measures to counterbalance the impact of climatic change in the tropics. Energy and Buildings, 2020, 229, 110494.	6.7	22
7	On the combination of quantum dots with near-infrared reflective base coats to maximize their urban overheating mitigation potential. Solar Energy, 2020, 211, 111-116.	6.1	14
8	Holistic approach to assess co-benefits of local climate mitigation in a hot humid region of Australia. Scientific Reports, 2020, 10, 14216.	3.3	47
9	Can quantum dots help to mitigate urban overheating? An experimental and modelling study. Solar Energy, 2020, 206, 308-316.	6.1	22
10	Urban mitigation and building adaptation to minimize the future cooling energy needs. Solar Energy, 2020, 204, 708-719.	6.1	55
11	Time series analysis of ambient air-temperature during the period 1970â€“2016 over Sydney, Australia. Science of the Total Environment, 2019, 648, 1627-1638.	8.0	46
12	Using advanced thermochromic technologies in the built environment: Recent development and potential to decrease the energy consumption and fight urban overheating. Solar Energy Materials and Solar Cells, 2019, 191, 21-32.	6.2	114
13	Optimal learning group formation: A multi-objective heuristic search strategy for enhancing inter-group homogeneity and intra-group heterogeneity. Expert Systems With Applications, 2019, 118, 506-521.	7.6	13
14	On the energy impact of urban heat island in Sydney: Climate and energy potential of mitigation technologies. Energy and Buildings, 2018, 166, 154-164.	6.7	136
15	Realization of manufacturing dye-sensitized solar cells with possible maximum power conversion efficiency and durability. Solar Energy, 2017, 149, 314-322.	6.1	26
16	Multi-objective optimization of building envelope design for life cycle environmental performance. Energy and Buildings, 2016, 126, 524-534.	6.7	134
17	A hybrid Genetic Algorithm and Monte Carlo simulation approach to predict hourly energy consumption and generation by a cluster of Net Zero Energy Buildings. Applied Energy, 2016, 179, 626-637.	10.1	58