Samira Garshasbi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5388645/publications.pdf

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17	714	840776 11	996975 15
papers	citations	h-index	g-index

17	17	17	744
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Multi-objective optimization of building envelope design for life cycle environmental performance. Energy and Buildings, 2016, 126, 524-534.	6.7	134
3	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
4	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
5	Urban mitigation and building adaptation to minimize the future cooling energy needs. Solar Energy, 2020, 204, 708-719.	6.1	55
6	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
7	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
8	Realization of manufacturing dye-sensitized solar cells with possible maximum power conversion efficiency and durability. Solar Energy, 2017, 149, 314-322.	6.1	26
9	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
10	Can quantum dots help to mitigate urban overheating? An experimental and modelling study. Solar Energy, 2020, 206, 308-316.	6.1	22
11	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
12	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
13	Analyzing the Impact of Urban Planning and Building Typologies in Urban Heat Island Mitigation. Buildings, 2022, 12, 537.	3.1	13
14	Adjusting optical and fluorescent properties of quantum dots: Moving towards best optical heat-rejecting materials. Solar Energy, 2022, 238, 272-279.	6.1	7
15	Enhancing the cooling potential of photoluminescent materials through evaluation of thermal and transmission loss mechanisms. Scientific Reports, 2021, 11, 14725.	3.3	5
16	Urban Mitigation Potential of Quantum Dots and Transpiration Cooling: Transpiration Cooling to Mitigate Urban Overheating. , 2021, , 1-27.		1
17	Urban Mitigation Potential of Quantum Dots and Transpiration Cooling: Transpiration Cooling to Mitigate Urban Overheating. , 2022, , 3759-3785.		1