

Dionysia Kolokotsa

List of Publications by Citations

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44
papers

2,285
citations

24
h-index

45
g-index

45
ext. papers

2,678
ext. citations

7
avg, IF

5.79
L-index

#	Paper	IF	Citations
44	Passive cooling dissipation techniques for buildings and other structures: The state of the art. <i>Energy and Buildings</i> , 2013 , 57, 74-94	7	267
43	A roadmap towards intelligent net zero- and positive-energy buildings. <i>Solar Energy</i> , 2011 , 85, 3067-3084	6.8	239
42	Three decades of urban heat islands and mitigation technologies research. <i>Energy and Buildings</i> , 2016 , 133, 834-842	7	232
41	On the impact of urban overheating and extreme climatic conditions on housing, energy, comfort and environmental quality of vulnerable population in Europe. <i>Energy and Buildings</i> , 2015 , 98, 125-133	7	149
40	Green and cool roofs—urban heat island mitigation potential in European climates for office buildings under free floating conditions. <i>Solar Energy</i> , 2013 , 95, 118-130	6.8	121
39	On the thermal characteristics and the mitigation potential of a medium size urban park in Athens, Greece. <i>Landscape and Urban Planning</i> , 2014 , 123, 73-86	7.7	96
38	Financial crisis and energy consumption: A household survey in Greece. <i>Energy and Buildings</i> , 2013 , 65, 477-487	7	92
37	Green and cool roofs—urban heat island mitigation potential in tropical climate. <i>Solar Energy</i> , 2018 , 173, 597-609	6.8	90
36	The role of smart grids in the building sector. <i>Energy and Buildings</i> , 2016 , 116, 703-708	7	88
35	Review of the indoor environmental quality and energy consumption studies for low income households in Europe. <i>Science of the Total Environment</i> , 2015 , 536, 316-330	10.2	78
34	Numerical and experimental analysis of cool roofs application on a laboratory building in Iraklion, Crete, Greece. <i>Energy and Buildings</i> , 2012 , 55, 85-93	7	76
33	Development and testing of photovoltaic pavement for heat island mitigation. <i>Solar Energy</i> , 2016 , 130, 148-160	6.8	66
32	Urban gardens as a solution to energy poverty and urban heat island. <i>Sustainable Cities and Society</i> , 2015 , 14, 323-333	10.1	65
31	On the cooling potential of cool roofs in cold climates: Use of cool fluorocarbon coatings to enhance the optical properties and the energy performance of industrial buildings. <i>Energy and Buildings</i> , 2014 , 69, 417-425	7	57
30	Forty years increase of the air ambient temperature in Greece: The impact on buildings. <i>Energy Conversion and Management</i> , 2013 , 74, 353-365	10.6	51
29	On the selection and design of the proper roof pond variant for passive cooling purposes. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 3523-3533	16.2	51
28	On the ageing of cool roofs: Measure of the optical degradation, chemical and biological analysis and assessment of the energy impact. <i>Energy and Buildings</i> , 2016 , 114, 191-199	7	50

27	Building optimization and control algorithms implemented in existing BEMS using a web based energy management and control system. <i>Energy and Buildings</i> , 2015 , 98, 45-55	7	46
26	Development of a web based energy management system for University Campuses: The CAMP-IT platform. <i>Energy and Buildings</i> , 2016 , 123, 119-135	7	45
25	Greenery as a mitigation and adaptation strategy to urban heat. <i>Nature Reviews Earth & Environment</i> , 2021 , 2, 166-181	30.2	37
24	Energy conservation techniques for hospital buildings. <i>Advances in Building Energy Research</i> , 2012 , 6, 159-172	1.8	33
23	Development of optimization algorithms for the Leaf Community microgrid. <i>Renewable Energy</i> , 2015 , 74, 782-795	8.1	28
22	Understanding the thermal experience of elderly people in their residences: Study on thermal comfort and adaptive behaviors of senior citizens in Crete, Greece. <i>Energy and Buildings</i> , 2019 , 185, 76-87	7	28
21	Combining terrestrial laser scanning and computational fluid dynamics for the study of the urban thermal environment. <i>Sustainable Cities and Society</i> , 2014 , 13, 207-216	10.1	27
20	Development of Demand Response Energy Management Optimization at Building and District Levels Using Genetic Algorithm and Artificial Neural Network Modelling Power Predictions. <i>Energies</i> , 2018 , 11, 3012	3.1	22
19	HVAC Optimization Genetic Algorithm for Industrial Near-Zero-Energy Building Demand Response. <i>Energies</i> , 2019 , 12, 2177	3.1	19
18	Retrofitting an office building towards a net zero energy building. <i>Advances in Building Energy Research</i> , 2015 , 9, 20-33	1.8	17
17	Parametric analysis and assessment of the photovoltaics' landscape integration: Technical and legal aspects. <i>Renewable Energy</i> , 2014 , 67, 207-214	8.1	16
16	Assessing the passive cooling effect of the ventilated pond protected with a reflecting layer. <i>Applied Energy</i> , 2014 , 123, 273-280	10.7	15
15	Smart cooling systems for the urban environment. Using renewable technologies to face the urban climate change. <i>Solar Energy</i> , 2017 , 154, 101-111	6.8	13
14	Theoretical and experimental analysis of a novel low emissivity water pond in summer. <i>Solar Energy</i> , 2012 , 86, 3331-3344	6.8	11
13	Design and development of a Web based GIS platform for zero energy settlements monitoring. <i>Energy Procedia</i> , 2017 , 134, 48-60	2.3	10
12	On the integration of the energy storage in smart grids: Technologies and applications. <i>Energy Storage</i> , 2019 , 1, e50	2.8	9
11	Urban Heat Island in Mediterranean Coastal Cities: The Case of Bari (Italy). <i>Climate</i> , 2020 , 8, 79	3.1	9
10	Development of Eco-Friendly and Self-Cleaning Lime-Pozzolan Plasters for Bio-Construction and Cultural Heritage. <i>Buildings</i> , 2020 , 10, 172	3.2	7

9	On the association of ambient temperature and elderly mortality in a Mediterranean island - Crete. <i>Science of the Total Environment</i> , 2020 , 738, 139843	10.2	6
8	An Integrated Energy Simulation Model for Buildings. <i>Energies</i> , 2020 , 13, 1170	3.1	6
7	Energy utilizability concept as a retrofitting solution selection criterion for buildings. <i>Journal of Civil Engineering and Management</i> , 2017 , 23, 541-552	3	4
6	Measurement and Verification of Zero Energy Settlements: Lessons Learned from Four Pilot Cases in Europe. <i>Sustainability</i> , 2020 , 12, 9783	3.6	4
5	Zero energy concept at neighborhood level: A case study analysis. <i>Solar Energy Advances</i> , 2021 , 1, 100002		2
4	5.20 Energy Management in University Campuses 2018 , 808-826		1
3	Evaluation of nature-based solutions implementation scenarios, using urban surface modelling1-42		1
2	Analyzing the Impact of Urban Planning and Building Typologies in Urban Heat Island Mitigation. <i>Buildings</i> , 2022 , 12, 537	3.2	1
1	Office Buildings/Commercial Buildings: Trends and Perspectives 2016 , 203-216		