

# Dionysia Kolokotsa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8598470/publications.pdf>

Version: 2024-02-01

45  
papers

3,171  
citations

218381

26  
h-index

276539

41  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Three decades of urban heat islands and mitigation technologies research. <i>Energy and Buildings</i> , 2016, 133, 834-842.	3.1	337
2	Passive cooling dissipation techniques for buildings and other structures: The state of the art. <i>Energy and Buildings</i> , 2013, 57, 74-94.	3.1	332
3	A roadmap towards intelligent net zero- and positive-energy buildings. <i>Solar Energy</i> , 2011, 85, 3067-3084.	2.9	304
4	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.	3.1	202
5	Greenery as a mitigation and adaptation strategy to urban heat. <i>Nature Reviews Earth &amp; Environment</i> , 2021, 2, 166-181.	12.2	183
6	Green and cool roofsâ€™ urban heat island mitigation potential in European climates for office buildings under free floating conditions. <i>Solar Energy</i> , 2013, 95, 118-130.	2.9	149
7	Green and cool roofsâ€™ urban heat island mitigation potential in tropical climate. <i>Solar Energy</i> , 2018, 173, 597-609.	2.9	145
8	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.	3.4	118
9	The role of smart grids in the building sector. <i>Energy and Buildings</i> , 2016, 116, 703-708.	3.1	112
10	Financial crisis and energy consumption: A household survey in Greece. <i>Energy and Buildings</i> , 2013, 65, 477-487.	3.1	109
11	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.	3.9	107
12	Urban gardens as a solution to energy poverty and urban heat island. <i>Sustainable Cities and Society</i> , 2015, 14, 323-333.	5.1	84
13	Development and testing of photovoltaic pavement for heat island mitigation. <i>Solar Energy</i> , 2016, 130, 148-160.	2.9	84
14	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.	3.1	80
15	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.	3.1	66
16	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.	3.1	65
17	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.	8.2	63
18	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.	3.1	63

#	ARTICLE	IF	CITATIONS
19	Development of a web based energy management system for University Campuses: The CAMP-IT platform. Energy and Buildings, 2016, 123, 119-135.	3.1	62
20	Forty years increase of the air ambient temperature in Greece: The impact on buildings. Energy Conversion and Management, 2013, 74, 353-365.	4.4	56
21	Understanding the thermal experience of elderly people in their residences: Study on thermal comfort and adaptive behaviors of senior citizens in Crete, Greece. Energy and Buildings, 2019, 185, 76-87.	3.1	42
22	Energy conservation techniques for hospital buildings. Advances in Building Energy Research, 2012, 6, 159-172.	1.1	41
23	Combining terrestrial laser scanning and computational fluid dynamics for the study of the urban thermal environment. Sustainable Cities and Society, 2014, 13, 207-216.	5.1	36
24	Development of Demand Response Energy Management Optimization at Building and District Levels Using Genetic Algorithm and Artificial Neural Network Modelling Power Predictions. Energies, 2018, 11, 3012.	1.6	35
25	Development of optimization algorithms for the Leaf Community microgrid. Renewable Energy, 2015, 74, 782-795.	4.3	32
26	HVAC Optimization Genetic Algorithm for Industrial Near-Zero-Energy Building Demand Response. Energies, 2019, 12, 2177.	1.6	28
27	Retrofitting an office building towards a net zero energy building. Advances in Building Energy Research, 2015, 9, 20-33.	1.1	26
28	Urban Heat Island in Mediterranean Coastal Cities: The Case of Bari (Italy). Climate, 2020, 8, 79.	1.2	22
29	Parametric analysis and assessment of the photovoltaics' landscape integration: Technical and legal aspects. Renewable Energy, 2014, 67, 207-214.	4.3	21
30	Assessing the passive cooling effect of the ventilated pond protected with a reflecting layer. Applied Energy, 2014, 123, 273-280.	5.1	20
31	On the integration of the energy storage in smart grids: Technologies and applications. Energy Storage, 2019, 1, e50.	2.3	20
32	Smart cooling systems for the urban environment. Using renewable technologies to face the urban climate change. Solar Energy, 2017, 154, 101-111.	2.9	19
33	On the association of ambient temperature and elderly mortality in a Mediterranean island - Crete. Science of the Total Environment, 2020, 738, 139843.	3.9	16
34	Design and development of a Web based GIS platform for zero energy settlements monitoring. Energy Procedia, 2017, 134, 48-60.	1.8	15
35	An Integrated Energy Simulation Model for Buildings. Energies, 2020, 13, 1170.	1.6	14
36	Development of Eco-Friendly and Self-Cleaning Lime-Pozzolan Plasters for Bio-Construction and Cultural Heritage. Buildings, 2020, 10, 172.	1.4	13

#	ARTICLE	IF	CITATIONS
37	Analyzing the Impact of Urban Planning and Building Typologies in Urban Heat Island Mitigation. Buildings, 2022, 12, 537.	1.4	13
38	Theoretical and experimental analysis of a novel low emissivity water pond in summer. Solar Energy, 2012, 86, 3331-3344.	2.9	12
39	Zero energy concept at neighborhood level: A case study analysis. Solar Energy Advances, 2021, 1, 100002.	1.2	8
40	Measurement and Verification of Zero Energy Settlements: Lessons Learned from Four Pilot Cases in Europe. Sustainability, 2020, 12, 9783.	1.6	6
41	Energy utilizability concept as a retrofitting solution selection criterion for buildings. Journal of Civil Engineering and Management, 2017, 23, 541-552.	1.9	5
42	Evaluation of methods for determining energy flexibility of buildings. , 0, , .		3
43	Evaluation of nature-based solutions implementation scenarios, using urban surface modelling. , 0, , 1-42.		2
44	5.20 Energy Management in University Campuses. , 2018, , 808-826.		1
45	Office Buildings/Commercial Buildings: Trends and Perspectives. , 2016, , 203-216.		0