

Dionysia Kolokotsa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Analyzing the Impact of Urban Planning and Building Typologies in Urban Heat Island Mitigation. <i>Buildings</i> , 2022 , 12, 537 | 3.2 | 1 |
| 43 | Greenery as a mitigation and adaptation strategy to urban heat. <i>Nature Reviews Earth & Environment</i> , 2021 , 2, 166-181 | 30.2 | 37 |
| 42 | Zero energy concept at neighborhood level: A case study analysis. <i>Solar Energy Advances</i> , 2021 , 1, 100002 | | 2 |
| 41 | Measurement and Verification of Zero Energy Settlements: Lessons Learned from Four Pilot Cases in Europe. <i>Sustainability</i> , 2020 , 12, 9783 | 3.6 | 4 |
| 40 | 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 |
| 39 | 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 |
| 38 | Urban Heat Island in Mediterranean Coastal Cities: The Case of Bari (Italy). <i>Climate</i> , 2020 , 8, 79 | 3.1 | 9 |
| 37 | An Integrated Energy Simulation Model for Buildings. <i>Energies</i> , 2020 , 13, 1170 | 3.1 | 6 |
| 36 | HVAC Optimization Genetic Algorithm for Industrial Near-Zero-Energy Building Demand Response. <i>Energies</i> , 2019 , 12, 2177 | 3.1 | 19 |
| 35 | On the integration of the energy storage in smart grids: Technologies and applications. <i>Energy Storage</i> , 2019 , 1, e50 | 2.8 | 9 |
| 34 | 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 | | 28 |
| 33 | Green and cool roofs Urban heat island mitigation potential in tropical climate. <i>Solar Energy</i> , 2018 , 173, 597-609 | 6.8 | 90 |
| 32 | 5.20 Energy Management in University Campuses 2018 , 808-826 | | 1 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |

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| 27 | 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 |
| 26 | The role of smart grids in the building sector. <i>Energy and Buildings</i> , 2016 , 116, 703-708 | 7 | 88 |
| 25 | Office Buildings/Commercial Buildings: Trends and Perspectives 2016 , 203-216 | | |
| 24 | Development and testing of photovoltaic pavement for heat island mitigation. <i>Solar Energy</i> , 2016 , 130, 148-160 | 6.8 | 66 |
| 23 | 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 |
| 22 | Three decades of urban heat islands and mitigation technologies research. <i>Energy and Buildings</i> , 2016 , 133, 834-842 | 7 | 232 |
| 21 | 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 |
| 20 | Retrofitting an office building towards a net zero energy building. <i>Advances in Building Energy Research</i> , 2015 , 9, 20-33 | 1.8 | 17 |
| 19 | 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 |
| 18 | Development of optimization algorithms for the Leaf Community microgrid. <i>Renewable Energy</i> , 2015 , 74, 782-795 | 8.1 | 28 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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 |
| 12 | 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 |
| 11 | Parametric analysis and assessment of the photovoltaics' landscape integration: Technical and legal aspects. <i>Renewable Energy</i> , 2014 , 67, 207-214 | 8.1 | 16 |
| 10 | 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 |

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| 9 | Financial crisis and energy consumption: A household survey in Greece. <i>Energy and Buildings</i> , 2013 , 65, 477-487 | 7 | 92 |
| 8 | 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 |
| 7 | 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 |
| 6 | Theoretical and experimental analysis of a novel low emissivity water pond in summer. <i>Solar Energy</i> , 2012 , 86, 3331-3344 | 6.8 | 11 |
| 5 | 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 |
| 4 | Energy conservation techniques for hospital buildings. <i>Advances in Building Energy Research</i> , 2012 , 6, 159-172 | 1.8 | 33 |
| 3 | A roadmap towards intelligent net zero- and positive-energy buildings. <i>Solar Energy</i> , 2011 , 85, 3067-3084 | 4.8 | 239 |
| 2 | 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 |
| 1 | Evaluation of nature-based solutions implementation scenarios, using urban surface modelling | 1-42 | 1 |