

Ioannis Kougias

List of Publications by Citations

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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.

35
papers

1,461
citations

21
h-index

37
g-index

37
ext. papers

1,974
ext. citations

9.2
avg, IF

5.34
L-index

#	Paper	IF	Citations
35	Assessment of flood hazard areas at a regional scale using an index-based approach and Analytical Hierarchy Process: Application in Rhodope-Evros region, Greece. <i>Science of the Total Environment</i> , 2015 , 538, 555-63	10.2	251
34	Flood susceptibility assessment in Hengfeng area coupling adaptive neuro-fuzzy inference system with genetic algorithm and differential evolution. <i>Science of the Total Environment</i> , 2018 , 621, 1124-1141	10.2	186
33	A methodology for optimization of the complementarity between small-hydropower plants and solar PV systems. <i>Renewable Energy</i> , 2016 , 87, 1023-1030	8.1	123
32	A high-resolution geospatial assessment of the rooftop solar photovoltaic potential in the European Union. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 114, 109309	16.2	115
31	Analysis of emerging technologies in the hydropower sector. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 113, 109257	16.2	94
30	How Can Autonomous and Connected Vehicles, Electromobility, BRT, Hyperloop, Shared Use Mobility and Mobility-As-A-Service Shape Transport Futures for the Context of Smart Cities?. <i>Urban Science</i> , 2017 , 1, 36	2.2	69
29	How photovoltaics can contribute to GHG emission reductions of 55% in the EU by 2030. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 126, 109836	16.2	59
28	Decentralized rural electrification in Kenya: Speeding up universal energy access. <i>Energy for Sustainable Development</i> , 2019 , 52, 128-146	5.4	44
27	Identification of advantageous electricity generation options in sub-Saharan Africa integrating existing resources. <i>Nature Energy</i> , 2016 , 1,	62.3	40
26	Adaptation of Feed-in Tariff for remote mini-grids: Tanzania as an illustrative case. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 53, 306-318	16.2	40
25	The potential of water infrastructure to accommodate solar PV systems in Mediterranean islands. <i>Solar Energy</i> , 2016 , 136, 174-182	6.8	35
24	Pumped hydroelectric storage utilization assessment: Forerunner of renewable energy integration or Trojan horse?. <i>Energy</i> , 2017 , 140, 318-329	7.9	35
23	Universal access to electricity in Burkina Faso: scaling-up renewable energy technologies. <i>Environmental Research Letters</i> , 2016 , 11, 084010	6.2	35
22	Sustainable energy modelling of non-interconnected Mediterranean islands. <i>Renewable Energy</i> , 2019 , 133, 930-940	8.1	35
21	Multiobjective Pump Scheduling Optimization Using Harmony Search Algorithm (HSA) and Polyphonic HSA. <i>Water Resources Management</i> , 2013 , 27, 1249-1261	3.7	34
20	Assessment of floating solar photovoltaics potential in existing hydropower reservoirs in Africa. <i>Renewable Energy</i> , 2021 , 169, 687-699	8.1	30
19	Solar Photovoltaic Electricity Generation: A Lifeline for the European Coal Regions in Transition. <i>Sustainability</i> , 2019 , 11, 3703	3.6	25

18	The role of photovoltaics for the European Green Deal and the recovery plan. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 144, 111017	16.2	25
17	A methodology for maximizing the benefits of solar landfills on closed sites. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 76, 1291-1300	16.2	24
16	Application of the Harmony Search optimization algorithm for the solution of the multiple dam system scheduling. <i>Optimization and Engineering</i> , 2013 , 14, 331-344	2.1	23
15	Exploiting existing dams for solar PV system installations. <i>Progress in Photovoltaics: Research and Applications</i> , 2016 , 24, 229-239	6.8	23
14	Clean energy and transport pathways for islands: A stakeholder analysis using Q method. <i>Transportation Research, Part D: Transport and Environment</i> , 2020 , 78, 102180	6.4	21
13	Supporting Renewables Penetration in Remote Areas through the Transformation of Non-Powered Dams. <i>Energies</i> , 2016 , 9, 1054	3.1	18
12	Assessing the energy potential of modernizing the European hydropower fleet. <i>Energy Conversion and Management</i> , 2021 , 246, 114655	10.6	17
11	Sustainable Energy Portfolios for Small Island States. <i>Sustainability</i> , 2015 , 7, 12340-12358	3.6	14
10	Next generation interactive tool as a backbone for universal access to electricity. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018 , 7, e305	4.7	11
9	Assessing Flood Hazard at River Basin Scale with an Index-Based Approach: The Case of Mouriki, Greece. <i>Geosciences (Switzerland)</i> , 2018 , 8, 50	2.7	11
8	Renewable energy production management with a new harmony search optimization toolkit. <i>Clean Technologies and Environmental Policy</i> , 2016 , 18, 2603-2612	4.3	8
7	Mapping of affordability levels for photovoltaic-based electricity generation in the solar belt of sub-Saharan Africa, East Asia and South Asia. <i>Scientific Reports</i> , 2021 , 11, 3226	4.9	6
6	Rural electrification in protected areas: A spatial assessment of solar photovoltaic suitability using the fuzzy best worst method. <i>Renewable Energy</i> , 2021 , 176, 334-345	8.1	5
5	The New European Renewable Energy Directive - Opportunities and Challenges for Photovoltaics 2019 ,		3
4	Irrigation Dams for Renewable Energy Production: A Case Study in an Agricultural Area in Greece 2014 , 270-294		1
3	Hydropower Projects within a Municipal Water Supply System. <i>Advances in Computational Intelligence and Robotics Book Series</i> , 2014 , 59-75	0.4	1
2	The effects of climate change mitigation strategies on the energy system of Africa and its associated water footprint. <i>Environmental Research Letters</i> , 2022 , 17, 044048	6.2	0
1	Cover Image, Volume 7, Issue 6. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018 , 7, e331	4.7	

