Ioannis Kougias

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5103133/publications.pdf

Version: 2024-02-01

36 papers	2,518 citations	257101 24 h-index	414034 32 g-index
37 all docs	37 docs citations	37 times ranked	2533 citing authors

#	Article	IF	Citations
1	Assessment of flood hazard areas at a regional scale using an index-based approach and Analytical Hierarchy Process: Application in Rhodopeâ€“Evros region, Greece. Science of the Total Environment, 2015, 538, 555-563.	3.9	407
2	Flood susceptibility assessment in Hengfeng area coupling adaptive neuro-fuzzy inference system with genetic algorithm and differential evolution. Science of the Total Environment, 2018, 621, 1124-1141.	3.9	298
3	A high-resolution geospatial assessment of the rooftop solar photovoltaic potential in the European Union. Renewable and Sustainable Energy Reviews, 2019, 114, 109309.	8.2	220
4	Analysis of emerging technologies in the hydropower sector. Renewable and Sustainable Energy Reviews, 2019, 113, 109257.	8.2	177
5	A methodology for optimization of the complementarity between small-hydropower plants and solar PV systems. Renewable Energy, 2016, 87, 1023-1030.	4.3	167
6	How photovoltaics can contribute to GHG emission reductions of 55% in the EU by 2030. Renewable and Sustainable Energy Reviews, 2020, 126, 109836.	8.2	114
7	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?. Urban Science, 2017, 1, 36.	1.1	112
8	The role of photovoltaics for the European Green Deal and the recovery plan. Renewable and Sustainable Energy Reviews, 2021, 144, 111017.	8.2	108
9	Assessment of floating solar photovoltaics potential in existing hydropower reservoirs in Africa. Renewable Energy, 2021, 169, 687-699.	4.3	103
10	Decentralized rural electrification in Kenya: Speeding up universal energy access. Energy for Sustainable Development, 2019, 52, 128-146.	2.0	81
11	The potential of water infrastructure to accommodate solar PV systems in Mediterranean islands. Solar Energy, 2016, 136, 174-182.	2.9	62
12	Pumped hydroelectric storage utilization assessment: Forerunner of renewable energy integration or Trojan horse?. Energy, 2017, 140, 318-329.	4.5	58
13	Universal access to electricity in Burkina Faso: scaling-up renewable energy technologies. Environmental Research Letters, 2016, 11, 084010.	2.2	57
14	Sustainable energy modelling of non-interconnected Mediterranean islands. Renewable Energy, 2019, 133, 930-940.	4.3	56
15	Identification of advantageous electricity generation options in sub-Saharan Africa integrating existing resources. Nature Energy, 2016, 1, .	19.8	51
16	Adaptation of Feed-in Tariff for remote mini-grids: Tanzania as an illustrative case. Renewable and Sustainable Energy Reviews, 2016, 53, 306-318.	8.2	50
17	Assessing the energy potential of modernizing the European hydropower fleet. Energy Conversion and Management, 2021, 246, 114655.	4.4	48
18	Multiobjective Pump Scheduling Optimization Using Harmony Search Algorithm (HSA) and Polyphonic HSA. Water Resources Management, 2013, 27, 1249-1261.	1.9	39

#	Article	IF	Citations
19	Solar Photovoltaic Electricity Generation: A Lifeline for the European Coal Regions in Transition. Sustainability, 2019, 11, 3703.	1.6	38
20	A methodology for maximizing the benefits of solar landfills on closed sites. Renewable and Sustainable Energy Reviews, 2017, 76, 1291-1300.	8.2	37
21	Application of the Harmony Search optimization algorithm for the solution of the multiple dam system scheduling. Optimization and Engineering, 2013, 14, 331-344.	1.3	32
22	Clean energy and transport pathways for islands: A stakeholder analysis using Q method. Transportation Research, Part D: Transport and Environment, 2020, 78, 102180.	3.2	32
23	Exploiting existing dams for solar PV system installations. Progress in Photovoltaics: Research and Applications, 2016, 24, 229-239.	4.4	29
24	Assessing Flood Hazard at River Basin Scale with an Index-Based Approach: The Case of Mouriki, Greece. Geosciences (Switzerland), 2018, 8, 50.	1.0	26
25	Mapping of affordability levels for photovoltaic-based electricity generation in the solar belt of sub-Saharan Africa, East Asia and South Asia. Scientific Reports, 2021, 11, 3226.	1.6	26
26	Supporting Renewablesâ€™ Penetration in Remote Areas through the Transformation of Non-Powered Dams. Energies, 2016, 9, 1054.	1.6	24
27	Sustainable Energy Portfolios for Small Island States. Sustainability, 2015, 7, 12340-12358.	1.6	16
28	Next generation interactive tool as a backbone for universal access to electricity. Wiley Interdisciplinary Reviews: Energy and Environment, 2018, 7, e305.	1.9	15
29	Renewable energy production management with a new harmony search optimization toolkit. Clean Technologies and Environmental Policy, 2016, 18, 2603-2612.	2.1	11
30	Rural electrification in protected areas: A spatial assessment of solar photovoltaic suitability using the fuzzy best worst method. Renewable Energy, 2021, 176, 334-345.	4.3	11
31	The New European Renewable Energy Directive - Opportunities and Challenges for Photovoltaics. , 2019, , .		4
32	The effects of climate change mitigation strategies on the energy system of Africa and its associated water footprint. Environmental Research Letters, 2022, 17, 044048.	2.2	4
33	The European Green Deal - What's in it for Photovoltaics?. , 2020, , .		2
34	Irrigation Dams for Renewable Energy Production: A Case Study in an Agricultural Area in Greece. , 2014, , 270-294.		1
35	Hydropower Projects within a Municipal Water Supply System. Advances in Computational Intelligence and Robotics Book Series, 2014, , 59-75.	0.4	1
36	Cover Image, Volume 7, Issue 6. Wiley Interdisciplinary Reviews: Energy and Environment, 2018, 7, e331.	1.9	0