

Sgouris P Sgouridis

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.

44
papers

976
citations

17
h-index

30
g-index

59
ext. papers

1,255
ext. citations

9.4
avg, IF

4.74
L-index

#	Paper	IF	Citations
44	Solar-assisted Post-combustion Carbon Capture feasibility study. <i>Applied Energy</i> , 2012 , 92, 668-676	10.7	83
43	Rigorous classification and carbon accounting principles for low and Zero Carbon Cities. <i>Energy Policy</i> , 2011 , 39, 5259-5268	7.2	82
42	Air transportation in a carbon constrained world: Long-term dynamics of policies and strategies for mitigating the carbon footprint of commercial aviation. <i>Transportation Research, Part A: Policy and Practice</i> , 2011 , 45, 1077-1091	3.7	78
41	Comparative net energy analysis of renewable electricity and carbon capture and storage. <i>Nature Energy</i> , 2019 , 4, 456-465	62.3	65
40	The sower way: quantifying the narrowing net-energy pathways to a global energy transition. <i>Environmental Research Letters</i> , 2016 , 11, 094009	6.2	55
39	Systematic comprehensive techno-economic assessment of solar cooling technologies using location-specific climate data. <i>Applied Energy</i> , 2010 , 87, 3766-3778	10.7	55
38	From big data to smart energy services: An application for intelligent energy management. <i>Future Generation Computer Systems</i> , 2020 , 110, 572-586	7.5	52
37	A sustainable energy transition strategy for the United Arab Emirates: Evaluation of options using an Integrated Energy Model. <i>Energy Strategy Reviews</i> , 2013 , 2, 8-18	9.8	42
36	Simulation-based analysis of personal rapid transit systems: service and energy performance assessment of the Masdar City PRT case. <i>Journal of Advanced Transportation</i> , 2011 , 45, 252-270	1.9	42
35	Energy Return on Energy Invested (ERoEI) for photovoltaic solar systems in regions of moderate insolation: A comprehensive response. <i>Energy Policy</i> , 2017 , 102, 377-384	7.2	40
34	Evaluating the factors that led to low-priced solar electricity projects in the Middle East. <i>Nature Energy</i> , 2018 , 3, 1109-1114	62.3	40
33	RE-mapping the UAE energy transition: An economy-wide assessment of renewable energy options and their policy implications. <i>Renewable and Sustainable Energy Reviews</i> , 2016 , 55, 1166-1180	16.2	39
32	Simulation Analysis for Midterm Yard Planning in Container Terminal. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2003 , 129, 178-187	1.7	27
31	Optimal Design of an Islanded Microgrid With Load Shifting Mechanism Between Electrical and Thermal Energy Storage Systems. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2642-2657	7	26
30	A Framework for Defining Sustainable Energy Transitions: Principles, Dynamics, and Implications. <i>Sustainability</i> , 2014 , 6, 2601-2622	3.6	25
29	Scaling the production of renewable ammonia: A techno-economic optimization applied in regions with high insolation. <i>Journal of Cleaner Production</i> , 2020 , 271, 121627	10.3	22
28	Techno-economic analysis of concentrated solar power plants in terms of levelized cost of electricity 2017 ,		19

27	Aviation industry's quest for a sustainable fuel: considerations of scale and modal opportunity carbon benefit. <i>Biofuels</i> , 2011 , 2, 33-58	2	17
26	Tangible and fungible energy: Hybrid energy market and currency system for total energy management. A Masdar City case study. <i>Energy Policy</i> , 2010 , 38, 1749-1758	7.2	17
25	Constant elasticity of substitution functions for energy modeling in general equilibrium integrated assessment models: a critical review and recommendations. <i>Climatic Change</i> , 2017 , 145, 27-40	4.5	13
24	Characterization of the Chemical Composition of the Halophyte <i>Salicornia bigelovii</i> under Cultivation. <i>Energy & Fuels</i> , 2014 , 28, 3873-3883	4.1	12
23	A Land Suitability Study for the Sustainable Cultivation of the Halophyte <i>Salicornia bigelovii</i> : The Case of Abu Dhabi, UAE. <i>Arid Land Research and Management</i> , 2013 , 27, 349-360	1.8	11
22	Dynamics of Implementation of Mitigating Measures to Reduce Commercial Aviation's Environmental Impacts 2009 ,		9
21	New Approach to Transportation Planning for the 21st Century: Regional Strategic Transportation Planning as a Complex Large-Scale Integrated Open System		8
20	Investigation of the Impacts of Effective Fuel Cost Increase on the U.S. Air Transportation Network and Fleet 2010 ,		6
19	Game Theory Analysis of the Impact of Single-Aisle Aircraft Competition on Emissions. <i>Journal of Aircraft</i> , 2012 , 49, 483-494	1.6	6
18	Light-duty electric vehicles in the gulf? Techno-economic assessment and policy implications. <i>International Journal of Sustainable Transportation</i> , 2018 , 12, 92-106	3.6	5
17	Defusing the Energy Trap: The Potential of Energy-Denominated Currencies to Facilitate a Sustainable Energy Transition. <i>Frontiers in Energy Research</i> , 2014 , 2,	3.8	5
16	In Support of a Physics-Based Energy Transition Planning: Sowing Our Future Energy Needs. <i>BioPhysical Economics and Resource Quality</i> , 2017 , 2, 1	2.9	4
15	New Approach to Transportation Planning for the 21st Century: Regional Strategic Transportation Planning as a Complex Large-Scale Integrated Open System. <i>Transportation Research Record</i> , 2005 , 1931, 89-98	1.7	4
14	The Sower's Way: A Strategy to Attain the Energy Transition. <i>International Journal of Heat and Technology</i> , 2016 , 34, S263-S265	2.2	4
13	A Net Energy-Based Analysis for a Climate-Constrained Sustainable Energy Transition. <i>SSRN Electronic Journal</i> , 2015 ,	1	3
12	Simulation-based analysis of handling inbound containers in a terminal		3
11	Visions before models: The ethos of energy modeling in an era of transition. <i>Energy Research and Social Science</i> , 2022 , 88, 102497	7.7	3
10	Potential of CO ₂ -enhanced oil recovery coupled with carbon capture and storage in mitigating greenhouse gas emissions in the UAE. <i>International Journal of Greenhouse Gas Control</i> , 2021 , 111, 103485	4.2	3

9	Sensitivity of CO2 Emissions to Renewable Energy Penetration for Regions Utilizing Power and Water Cogeneration 2011 , 287-292		3
8	Blow wind blow: Capital deployment in variable energy systems. <i>Energy</i> , 2021 , 224, 120198	7.9	3
7	Aluminum smelters in the energy transition: Optimal configuration and operation for renewable energy integration in high insolation regions. <i>Renewable Energy</i> , 2021 , 180, 937-953	8.1	3
6	A Two-stage Comparative Life Cycle Assessment of Paper-based and Software-based Business Cards. <i>Procedia Computer Science</i> , 2015 , 52, 819-826	1.6	2
5	Optimizing the production of ammonia as an energy carrier in the UAE 2018 ,		2
4	On the optimal timing of the oil pollution act: Is there more value in waiting than acting?. <i>International Journal of Ocean Systems Management</i> , 2008 , 1, 100		2
3	Intelligent Energy Management Within the Smart Cities: An EU-GCC Cooperation Opportunity 2019 , 123-147		2
2	Game Theory Analysis of the Impact of Single Aisle Aircraft Competition on Fleet Emissions 2011 ,		1
1	Impacts of farming practices on water resources sustainability for arid lands: the case of Abu Dhabi. <i>International Journal of Water Resources Development</i> , 2021 , 37, 584-602	3	1