

# Sgouris P Sgouridis

## 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

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	Visions before models: The ethos of energy modeling in an era of transition. <i>Energy Research and Social Science</i> , <b>2022</b> , 88, 102497	7.7	3
43	Potential of CO <sub>2</sub> -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> , <b>2021</b> , 111, 103485	4.2	3
42	Blow wind blow: Capital deployment in variable energy systems. <i>Energy</i> , <b>2021</b> , 224, 120198	7.9	3
41	Impacts of farming practices on water resources sustainability for arid lands: the case of Abu Dhabi. <i>International Journal of Water Resources Development</i> , <b>2021</b> , 37, 584-602	3	1
40	Aluminum smelters in the energy transition: Optimal configuration and operation for renewable energy integration in high insolation regions. <i>Renewable Energy</i> , <b>2021</b> , 180, 937-953	8.1	3
39	Scaling the production of renewable ammonia: A techno-economic optimization applied in regions with high insolation. <i>Journal of Cleaner Production</i> , <b>2020</b> , 271, 121627	10.3	22
38	Optimal Design of an Islanded Microgrid With Load Shifting Mechanism Between Electrical and Thermal Energy Storage Systems. <i>IEEE Transactions on Power Systems</i> , <b>2020</b> , 35, 2642-2657	7	26
37	From big data to smart energy services: An application for intelligent energy management. <i>Future Generation Computer Systems</i> , <b>2020</b> , 110, 572-586	7.5	52
36	Comparative net energy analysis of renewable electricity and carbon capture and storage. <i>Nature Energy</i> , <b>2019</b> , 4, 456-465	62.3	65
35	Intelligent Energy Management Within the Smart Cities: An EU-GCC Cooperation Opportunity <b>2019</b> , 123-147		2
34	Light-duty electric vehicles in the gulf? Techno-economic assessment and policy implications. <i>International Journal of Sustainable Transportation</i> , <b>2018</b> , 12, 92-106	3.6	5
33	Optimizing the production of ammonia as an energy carrier in the UAE <b>2018</b> ,		2
32	Evaluating the factors that led to low-priced solar electricity projects in the Middle East. <i>Nature Energy</i> , <b>2018</b> , 3, 1109-1114	62.3	40
31	Energy Return on Energy Invested (EROEI) for photovoltaic solar systems in regions of moderate insolation: A comprehensive response. <i>Energy Policy</i> , <b>2017</b> , 102, 377-384	7.2	40
30	Constant elasticity of substitution functions for energy modeling in general equilibrium integrated assessment models: a critical review and recommendations. <i>Climatic Change</i> , <b>2017</b> , 145, 27-40	4.5	13
29	Techno-economic analysis of concentrated solar power plants in terms of levelized cost of electricity <b>2017</b> ,		19
28	In Support of a Physics-Based Energy Transition Planning: Sowing Our Future Energy Needs. <i>BioPhysical Economics and Resource Quality</i> , <b>2017</b> , 2, 1	2.9	4

27	RE-mapping the UAE's energy transition: An economy-wide assessment of renewable energy options and their policy implications. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 55, 1166-1180	16.2	39
26	The sower's way: quantifying the narrowing net-energy pathways to a global energy transition. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 094009	6.2	55
25	The Sower's Way: A Strategy to Attain the Energy Transition. <i>International Journal of Heat and Technology</i> , <b>2016</b> , 34, S263-S265	2.2	4
24	A Two-stage Comparative Life Cycle Assessment of Paper-based and Software-based Business Cards. <i>Procedia Computer Science</i> , <b>2015</b> , 52, 819-826	1.6	2
23	A Net Energy-Based Analysis for a Climate-Constrained Sustainable Energy Transition. <i>SSRN Electronic Journal</i> , <b>2015</b> ,	1	3
22	Characterization of the Chemical Composition of the Halophyte <i>Salicornia bigelovii</i> under Cultivation. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 3873-3883	4.1	12
21	Defusing the Energy Trap: The Potential of Energy-Denominated Currencies to Facilitate a Sustainable Energy Transition. <i>Frontiers in Energy Research</i> , <b>2014</b> , 2,	3.8	5
20	A Framework for Defining Sustainable Energy Transitions: Principles, Dynamics, and Implications. <i>Sustainability</i> , <b>2014</b> , 6, 2601-2622	3.6	25
19	A sustainable energy transition strategy for the United Arab Emirates: Evaluation of options using an Integrated Energy Model. <i>Energy Strategy Reviews</i> , <b>2013</b> , 2, 8-18	9.8	42
18	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> , <b>2013</b> , 27, 349-360	1.8	11
17	Solar-assisted Post-combustion Carbon Capture feasibility study. <i>Applied Energy</i> , <b>2012</b> , 92, 668-676	10.7	83
16	Game Theory Analysis of the Impact of Single-Aisle Aircraft Competition on Emissions. <i>Journal of Aircraft</i> , <b>2012</b> , 49, 483-494	1.6	6
15	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> , <b>2011</b> , 45, 1077-1091	3.7	78
14	Rigorous classification and carbon accounting principles for low and Zero Carbon Cities. <i>Energy Policy</i> , <b>2011</b> , 39, 5259-5268	7.2	82
13	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> , <b>2011</b> , 45, 252-270	1.9	42
12	Aviation industry's quest for a sustainable fuel: considerations of scale and modal opportunity carbon benefit. <i>Biofuels</i> , <b>2011</b> , 2, 33-58	2	17
11	Game Theory Analysis of the Impact of Single Aisle Aircraft Competition on Fleet Emissions <b>2011</b> ,		1
10	Sensitivity of CO2 Emissions to Renewable Energy Penetration for Regions Utilizing Power and Water Cogeneration <b>2011</b> , 287-292		3

9	Investigation of the Impacts of Effective Fuel Cost Increase on the U.S. Air Transportation Network and Fleet <b>2010</b> ,		6
8	Tangible and fungible energy: Hybrid energy market and currency system for total energy management. A Masdar City case study. <i>Energy Policy</i> , <b>2010</b> , 38, 1749-1758	7.2	17
7	Systematic comprehensive techno-economic assessment of solar cooling technologies using location-specific climate data. <i>Applied Energy</i> , <b>2010</b> , 87, 3766-3778	10.7	55
6	Dynamics of Implementation of Mitigating Measures to Reduce Commercial Aviation's Environmental Impacts <b>2009</b> ,		9
5	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> , <b>2008</b> , 1, 100		2
4	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> , <b>2005</b> , 1931, 89-98	1.7	4
3	Simulation Analysis for Midterm Yard Planning in Container Terminal. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , <b>2003</b> , 129, 178-187	1.7	27
2	Simulation-based analysis of handling inbound containers in a terminal		3
1	New Approach to Transportation Planning for the 21st Century: Regional Strategic Transportation Planning as a Complex Large-Scale Integrated Open System		8