Sgouris P Sgouridis

List of Publications by Year
in descending order

57	1,519	361413	315739
papers	citations	20 h-index	38 g-index

59	59	59	1792
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comparative net energy analysis of renewable electricity and carbon capture and storage. Nature Energy, 2019, 4, 456-465.	39.5	148
2	Air transportation in a carbon constrained world: Long-term dynamics of policies and strategies for mitigating the carbon footprint of commercial aviation. Transportation Research, Part A: Policy and Practice, 2011, 45, 1077-1091.	4.2	107
3	From big data to smart energy services: An application for intelligent energy management. Future Generation Computer Systems, 2020, 110, 572-586.	7.5	103
4	Solar-assisted Post-combustion Carbon Capture feasibility study. Applied Energy, 2012, 92, 668-676.	10.1	100
5	Rigorous classification and carbon accounting principles for low and Zero Carbon Cities. Energy Policy, 2011, 39, 5259-5268.	8.8	98
6	The sowerâ€™s way: quantifying the narrowing net-energy pathways to a global energy transition. Environmental Research Letters, 2016, 11, 094009.	5.2	89
7	Scaling the production of renewable ammonia: A techno-economic optimization applied in regions with high insolation. Journal of Cleaner Production, 2020, 271, 121627.	9.3	65
8	Evaluating the factors that led to low-priced solar electricity projects in the Middle East. Nature Energy, 2018, 3, 1109-1114.	39.5	63
9	Systematic comprehensive techno-economic assessment of solar cooling technologies using location-specific climate data. Applied Energy, 2010, 87, 3766-3778.	10.1	62
10	Simulationâ€based analysis of personal rapid transit systems: service and energy performance assessment of the Masdar City PRT case. Journal of Advanced Transportation, 2011, 45, 252-270.	1.7	62
11	Energy Return on Energy Invested (ERoEI) for photovoltaic solar systems in regions of moderate insolation: A comprehensive response. Energy Policy, 2017, 102, 377-384.	8.8	59
12	RE-mapping the UAEâ€™s energy transition: An economy-wide assessment of renewable energy options and their policy implications. Renewable and Sustainable Energy Reviews, 2016, 55, 1166-1180.	16.4	53
13	Optimal Design of an Islanded Microgrid With Load Shifting Mechanism Between Electrical and Thermal Energy Storage Systems. IEEE Transactions on Power Systems, 2020, 35, 2642-2657.	6.5	53
14	A sustainable energy transition strategy for the United Arab Emirates: Evaluation of options using an Integrated Energy Model. Energy Strategy Reviews, 2013, 2, 8-18.	7.3	52
15	Simulation Analysis for Midterm Yard Planning in Container Terminal. Journal of Waterway, Port, Coastal and Ocean Engineering, 2003, 129, 178-187.	1.2	34
16	A Framework for Defining Sustainable Energy Transitions: Principles, Dynamics, and Implications. Sustainability, 2014, 6, 2601-2622.	3.2	27
17	Techno-economic analysis of concentrated solar power plants in terms of levelized cost of electricity. AIP Conference Proceedings, 2017, , .	0.4	27
18	Utility solar prices will continue to drop all over the world even without subsidies. Nature Energy, 2019, 4, 833-834.	39.5	27

#	Article	IF	Citations
19	Tangible and fungible energy: Hybrid energy market and currency system for total energy management. A Masdar City case study. Energy Policy, 2010, 38, 1749-1758.	8.8	24
20	Aviation industryâ€™s quest for a sustainable fuel: considerations of scale and modal opportunity carbon benefit. Biofuels, 2011, 2, 33-58.	2.4	23
21	A Land Suitability Study for the Sustainable Cultivation of the HalophyteSalicornia bigelovii: The Case of Abu Dhabi, UAE. Arid Land Research and Management, 2013, 27, 349-360.	1.6	20
22	Constant elasticity of substitution functions for energy modeling in general equilibrium integrated assessment models: a critical review and recommendations. Climatic Change, 2017, 145, 27-40.	3.6	19
23	Characterization of the Chemical Composition of the Halophyte Salicornia bigelovii under Cultivation. Energy & Fuels, 2014, 28, 3873-3883.	5.1	17
24	Catching the hydrogen train: economics-driven green hydrogen adoption potential in the United Arab Emirates. International Journal of Hydrogen Energy, 2022, 47, 22285-22301.	7.1	16
25	Dynamics of Implementation of Mitigating Measures to Reduce Commercial Aviation's Environmental Impacts. , 2009, , .		12
26	Light-duty electric vehicles in the gulf? Techno-economic assessment and policy implications. International Journal of Sustainable Transportation, 2018, 12, 92-106.	4.1	12
27	Potential of CO2-enhanced oil recovery coupled with carbon capture and storage in mitigating greenhouse gas emissions in the UAE. International Journal of Greenhouse Gas Control, 2021, 111, 103485.	4.6	12
28	Visions before models: The ethos of energy modeling in an era of transition. Energy Research and Social Science, 2022, 88, 102497.	6.4	12
29	New Approach to Transportation Planning for the 21st Century: Regional Strategic Transportation Planning as a Complex Large-Scale Integrated Open System. Transportation Research Record, 2005, 1931, 89-98.	1.9	10
30	Simulation-based analysis of handling inbound containers in a terminal. , 0, , .		9
31	Aluminum smelters in the energy transition: Optimal configuration and operation for renewable energy integration in high insolation regions. Renewable Energy, 2021, 180, 937-953.	8.9	9
32	Investigation of the Impacts of Effective Fuel Cost Increase on the U.S. Air Transportation Network and Fleet. , 2010, , .		8
33	Game Theory Analysis of the Impact of Single-Aisle Aircraft Competition on Emissions. Journal of Aircraft, 2012, 49, 483-494.	2.4	6
34	New Approach to Transportation Planning for the 21st Century. Transportation Research Record, 2005, 1931, 89-98.	1.9	5
35	Defusing the Energy Trap: The Potential of Energy-Denominated Currencies to Facilitate a Sustainable Energy Transition. Frontiers in Energy Research, 2014, 2, .	2.3	5
36	In Support of a Physics-Based Energy Transition Planning: Sowing Our Future Energy Needs. BioPhysical Economics and Resource Quality, 2017, 2, 1.	2.4	5

#	Article	IF	Citations
37	Blow wind blow: Capital deployment in variable energy systems. Energy, 2021, 224, 120198.	8.8	5
38	The Sowerâ€™s Way: A Strategy to Attain the Energy Transition. International Journal of Heat and Technology, 2016, 34, S263-S265.	0.6	5
39	Are we on course for a sustainable biofuel-based aviation future?. Biofuels, 2012, 3, 243-246.	2.4	4
40	A Net Energy-Based Analysis for a Climate-Constrained Sustainable Energy Transition. SSRN Electronic Journal, 2015, , .	0.4	4
41	A Two-stage Comparative Life Cycle Assessment of Paper-based and Software-based Business Cards. Procedia Computer Science, 2015, 52, 819-826.	2.0	4
42	Intelligent Energy Management Within the Smart Cities: An EU-GCC Cooperation Opportunity. , 2019, , 123-147.		4
43	Impacts of farming practices on water resources sustainability for arid lands: the case of Abu Dhabi. International Journal of Water Resources Development, 2021, 37, 584-602.	2.0	4
44	SUSTAINABILITY THROUGH ENERGY CONSERVATION BUILDING CODES: COMPARATIVE ANALYSIS OF GREEN BUILDING REGULATIONS IN THE MIDDLE EAST. WIT Transactions on Ecology and the Environment, 2020, , .	0.0	4
45	Optimizing Operations of Sodium Sulfur (NAS) Large-scale Battery Storage. , 2020, , .		4
46	Optimizing the production of ammonia as an energy carrier in the UAE. , 2018, , .		3
47	Sensitivity of CO2 Emissions to Renewable Energy Penetration for Regions Utilizing Power and Water Cogeneration. , 2011, , 287-292.		3
48	On the optimal timing of the oil pollution act: Is there more value in waiting than acting?. International Journal of Ocean Systems Management, 2008, 1, 100.	0.1	2
49	Flying sustainably with forest leftovers. Nature Sustainability, 2018, 1, 735-736.	23.7	1
50	Joint optimization of Energy Production & Storage. , 2019, , .		1
51	A Smart Grid Solution Integrating Distributed Generation and Internet of Things Sensors for Demand Side Management and Fault Identification: Case Study. , 2021, , .		1
52	Game Theory Analysis of the Impact of Single Aisle Aircraft Competition on Fleet Emissions. , 2011, , .		1
53	A Framework for Defining Sustainable Energy Transitions: Principles, Dynamics, and Implications. SSRN Electronic Journal, 0, , .	0.4	1
54	Energy-Denominated Currencies as a Viable Pathway for Sustainable Societal Transitions. SSRN Electronic Journal, 0, , .	0.4	0

#	Article	IF	Citations
55	Geospatial Quantification of the Energy Economic Potential for Utility-Scale Photovoltaics: Case of the United Arab Emirates. , 2016, , .		0
56	The Soweraâ€™s way: a strategy to attain the energy transition. International Journal of Heat and Technology, 2016, 34, S263-S265.	0.6	0
57	Assessment of Network Management Services Provided by Virtual Power Plants. , 2022, , .		0