

Sgouris P Sgouridis

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

1,519
citations

361413
20
h-index

315739
38
g-index

59
all docs

59
docs citations

59
times ranked

1792
citing authors

#	ARTICLE	IF	CITATIONS
1	Visions before models: The ethos of energy modeling in an era of transition. Energy Research and Social Science, 2022, 88, 102497.	6.4	12
2	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
3	Assessment of Network Management Services Provided by Virtual Power Plants. , 2022, , .		0
4	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
5	A Smart Grid Solution Integrating Distributed Generation and Internet of Things Sensors for Demand Side Management and Fault Identification: Case Study. , 2021, , .		1
6	Blow wind blow: Capital deployment in variable energy systems. Energy, 2021, 224, 120198.	8.8	5
7	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
8	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
9	From big data to smart energy services: An application for intelligent energy management. Future Generation Computer Systems, 2020, 110, 572-586.	7.5	103
10	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
11	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
12	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
13	Optimizing Operations of Sodium Sulfur (NAS) Large-scale Battery Storage. , 2020, , .		4
14	Joint optimization of Energy Production & Storage. , 2019, , .		1
15	Utility solar prices will continue to drop all over the world even without subsidies. Nature Energy, 2019, 4, 833-834.	39.5	27
16	Comparative net energy analysis of renewable electricity and carbon capture and storage. Nature Energy, 2019, 4, 456-465.	39.5	148
17	Intelligent Energy Management Within the Smart Cities: An EU-GCC Cooperation Opportunity. , 2019, , 123-147.		4
18	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

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19	Flying sustainably with forest leftovers. <i>Nature Sustainability</i> , 2018, 1, 735-736.	23.7	1
20	Evaluating the factors that led to low-priced solar electricity projects in the Middle East. <i>Nature Energy</i> , 2018, 3, 1109-1114.	39.5	63
21	Optimizing the production of ammonia as an energy carrier in the UAE. , 2018, , .		3
22	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.	8.8	59
23	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.	3.6	19
24	Techno-economic analysis of concentrated solar power plants in terms of levelized cost of electricity. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	27
25	In Support of a Physics-Based Energy Transition Planning: Sowing Our Future Energy Needs. <i>BioPhysical Economics and Resource Quality</i> , 2017, 2, 1.	2.4	5
26	The sowerâ€™s way: quantifying the narrowing net-energy pathways to a global energy transition. <i>Environmental Research Letters</i> , 2016, 11, 094009.	5.2	89
27	RE-mapping the UAEâ€™s 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.	16.4	53
28	The Sowerâ€™s Way: A Strategy to Attain the Energy Transition. <i>International Journal of Heat and Technology</i> , 2016, 34, S263-S265.	0.6	5
29	Geospatial Quantification of the Energy Economic Potential for Utility-Scale Photovoltaics: Case of the United Arab Emirates. , 2016, , .		0
30	The Sowerâ€™s way: a strategy to attain the energy transition. <i>International Journal of Heat and Technology</i> , 2016, 34, S263-S265.	0.6	0
31	A Net Energy-Based Analysis for a Climate-Constrained Sustainable Energy Transition. <i>SSRN Electronic Journal</i> , 2015, , .	0.4	4
32	A Two-stage Comparative Life Cycle Assessment of Paper-based and Software-based Business Cards. <i>Procedia Computer Science</i> , 2015, 52, 819-826.	2.0	4
33	Defusing the Energy Trap: The Potential of Energy-Denominated Currencies to Facilitate a Sustainable Energy Transition. <i>Frontiers in Energy Research</i> , 2014, 2, .	2.3	5
34	A Framework for Defining Sustainable Energy Transitions: Principles, Dynamics, and Implications. <i>Sustainability</i> , 2014, 6, 2601-2622.	3.2	27
35	Characterization of the Chemical Composition of the Halophyte <i>Salicornia bigelovii</i> under Cultivation. <i>Energy & Fuels</i> , 2014, 28, 3873-3883.	5.1	17
36	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.	7.3	52

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37	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.	1.6	20
38	Game Theory Analysis of the Impact of Single-Aisle Aircraft Competition on Emissions. <i>Journal of Aircraft</i> , 2012, 49, 483-494.	2.4	6
39	Are we on course for a sustainable biofuel-based aviation future?. <i>Biofuels</i> , 2012, 3, 243-246.	2.4	4
40	Solar-assisted Post-combustion Carbon Capture feasibility study. <i>Applied Energy</i> , 2012, 92, 668-676.	10.1	100
41	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.	4.2	107
42	Rigorous classification and carbon accounting principles for low and Zero Carbon Cities. <i>Energy Policy</i> , 2011, 39, 5259-5268.	8.8	98
43	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.	1.7	62
44	Aviation industry's quest for a sustainable fuel: considerations of scale and modal opportunity carbon benefit. <i>Biofuels</i> , 2011, 2, 33-58.	2.4	23
45	Sensitivity of CO2 Emissions to Renewable Energy Penetration for Regions Utilizing Power and Water Cogeneration. , 2011, , 287-292.		3
46	Game Theory Analysis of the Impact of Single Aisle Aircraft Competition on Fleet Emissions. , 2011, , .		1
47	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.	8.8	24
48	Systematic comprehensive techno-economic assessment of solar cooling technologies using location-specific climate data. <i>Applied Energy</i> , 2010, 87, 3766-3778.	10.1	62
49	Investigation of the Impacts of Effective Fuel Cost Increase on the U.S. Air Transportation Network and Fleet. , 2010, , .		8
50	Dynamics of Implementation of Mitigating Measures to Reduce Commercial Aviation's Environmental Impacts. , 2009, , .		12
51	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.	0.1	2
52	New Approach to Transportation Planning for the 21st Century. <i>Transportation Research Record</i> , 2005, 1931, 89-98.	1.9	5
53	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.	1.9	10
54	Simulation Analysis for Midterm Yard Planning in Container Terminal. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2003, 129, 178-187.	1.2	34

#	ARTICLE	IF	CITATIONS
55	Simulation-based analysis of handling inbound containers in a terminal. , 0, , .		9
56	Energy-Denominated Currencies as a Viable Pathway for Sustainable Societal Transitions. SSRN Electronic Journal, 0, , .	0.4	0
57	A Framework for Defining Sustainable Energy Transitions: Principles, Dynamics, and Implications. SSRN Electronic Journal, 0, , .	0.4	1