

Steven Griffiths

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,853
citations

236833

25
h-index

360920

35
g-index

37
all docs

37
docs citations

37
times ranked

1641
citing authors

#	ARTICLE	IF	CITATIONS
1	Industrial decarbonization via hydrogen: A critical and systematic review of developments, socio-technical systems and policy options. <i>Energy Research and Social Science</i> , 2021, 80, 102208.	3.0	171
2	Climate change and industrial F-gases: A critical and systematic review of developments, sociotechnical systems and policy options for reducing synthetic greenhouse gas emissions. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 141, 110759.	8.2	170
3	Contextualizing the Covid-19 pandemic for a carbon-constrained world: Insights for sustainability transitions, energy justice, and research methodology. <i>Energy Research and Social Science</i> , 2020, 68, 101701.	3.0	135
4	A review and assessment of energy policy in the Middle East and North Africa region. <i>Energy Policy</i> , 2017, 102, 249-269.	4.2	124
5	The cultural barriers to a low-carbon future: A review of six mobility and energy transitions across 28 countries. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 119, 109569.	8.2	109
6	The Reactivity and Oxidation Pathway of Cysteine 232 in Recombinant Human α 1-Antitrypsin. <i>Journal of Biological Chemistry</i> , 2002, 277, 25486-25492.	1.6	89
7	Decarbonizing the food and beverages industry: A critical and systematic review of developments, sociotechnical systems and policy options. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 143, 110856.	8.2	89
8	Relationship between Protein Structure and Methionine Oxidation in Recombinant Human α 1-Antitrypsin. <i>Biochemistry</i> , 2002, 41, 6245-6252.	1.2	88
9	Decarbonizing the iron and steel industry: A systematic review of sociotechnical systems, technological innovations, and policy options. <i>Energy Research and Social Science</i> , 2022, 89, 102565.	3.0	86
10	Rethinking the future low-carbon city: Carbon neutrality, green design, and sustainability tensions in the making of Masdar City. <i>Energy Research and Social Science</i> , 2020, 62, 101368.	3.0	71
11	Culture and low-carbon energy transitions. <i>Nature Sustainability</i> , 2020, 3, 685-693.	11.5	68
12	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> , 2016, 55, 1166-1180.	8.2	53
13	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.	3.3	52
14	Decarbonizing the oil refining industry: A systematic review of sociotechnical systems, technological innovations, and policy options. <i>Energy Research and Social Science</i> , 2022, 89, 102542.	3.0	45
15	Shale Gas Formations and Their Potential for Carbon Storage: Opportunities and Outlook. <i>Environmental Processes</i> , 2014, 1, 595-611.	1.7	44
16	Decarbonizing the glass industry: A critical and systematic review of developments, sociotechnical systems and policy options. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 155, 111885.	8.2	43
17	Renewable energy policy trends and recommendations for GCC countries. <i>Energy Transitions</i> , 2017, 1, 1.	3.6	41
18	Development of a peptide mapping procedure to identify and quantify methionine oxidation in recombinant human α 1-antitrypsin. <i>Journal of Chromatography A</i> , 2002, 942, 133-143.	1.8	39

#	ARTICLE	IF	CITATIONS
19	Potential of rooftop solar photovoltaics in the energy system evolution of the United Arab Emirates. Energy Strategy Reviews, 2016, 9, 1-7.	3.3	39
20	Strategic considerations for deployment of solar photovoltaics in the Middle East and North Africa. Energy Strategy Reviews, 2013, 2, 125-131.	3.3	38
21	Decarbonizing the ceramics industry: A systematic and critical review of policy options, developments and sociotechnical systems. Renewable and Sustainable Energy Reviews, 2022, 157, 112081.	8.2	37
22	Energy diplomacy in a time of energy transition. Energy Strategy Reviews, 2019, 26, 100386.	3.3	34
23	Decarbonizing the pulp and paper industry: A critical and systematic review of sociotechnical developments and policy options. Renewable and Sustainable Energy Reviews, 2022, 167, 112706.	8.2	32
24	Uncertainty analysis of penicillin V production using Monte Carlo simulation. Biotechnology and Bioengineering, 2005, 90, 167-179.	1.7	31
25	Core/Shell Microstructure Induced Synergistic Effect for Efficient Water-Droplet Formation and Cloud-Seeding Application. ACS Nano, 2017, 11, 12318-12325.	7.3	28
26	Culture, energy and climate sustainability, and smart home technologies: A mixed methods comparison of four countries. Energy and Climate Change, 2021, 2, 100035.	2.2	20
27	III-V/Si dual junction solar cell at scale: Manufacturing cost estimates for step-cell based technology. Journal of Renewable and Sustainable Energy, 2018, 10, .	0.8	18
28	Water vapor harvesting nanostructures through bioinspired gradient-driven mechanism. Chemical Physics Letters, 2019, 728, 167-173.	1.2	14
29	Municipal solid waste supply chain management under an integrated optimization of sustainability targets. Computers and Chemical Engineering, 2022, 160, 107725.	2.0	14
30	Enhanced Ice Nucleation and Growth by Porous Composite of RGO and Hydrophilic Silica Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 677-685.	1.5	8
31	Energy strategy research â€“ Charter and perspectives of an emerging discipline. Energy Strategy Reviews, 2013, 1, 135-137.	3.3	5
32	Masdar City showcases sustainability. MRS Bulletin, 2013, 38, 450-451.	1.7	4
33	An economic analysis of gas pipeline trade cooperation in the GCC. Energy Policy, 2021, 157, 112449.	4.2	4
34	Economic assessment of large scale solar photovoltaic projects in the UAE. , 2013, , .		3
35	Outlook for a Power Generation Fuel Transition in the MENA Region. Journal of Energy Engineering - ASCE, 2015, 141, 04014026.	1.0	2
36	Potential Impact of Methane Hydrate Development on GCC and NEA Energy Trade. , 2016, , 31-53.		0