

Steven Griffiths

List of Publications by Year in descending order

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36
papers

1,853
citations

236612

25
h-index

360668

35
g-index

37
all docs

37
docs citations

37
times ranked

1641
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Decarbonizing the ceramics industry: A systematic and critical review of policy options, developments and sociotechnical systems. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112081.	8.2	37
3	Municipal solid waste supply chain management under an integrated optimization of sustainability targets. <i>Computers and Chemical Engineering</i> , 2022, 160, 107725.	2.0	14
4	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
5	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
6	Decarbonizing the pulp and paper industry: A critical and systematic review of sociotechnical developments and policy options. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 167, 112706.	8.2	32
7	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
8	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
9	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
10	An economic analysis of gas pipeline trade cooperation in the GCC. <i>Energy Policy</i> , 2021, 157, 112449.	4.2	4
11	Culture, energy and climate sustainability, and smart home technologies: A mixed methods comparison of four countries. <i>Energy and Climate Change</i> , 2021, 2, 100035.	2.2	20
12	Enhanced Ice Nucleation and Growth by Porous Composite of RGO and Hydrophilic Silica Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2020, 124, 677-685.	1.5	8
13	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
14	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
15	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
16	Culture and low-carbon energy transitions. <i>Nature Sustainability</i> , 2020, 3, 685-693.	11.5	68
17	Energy diplomacy in a time of energy transition. <i>Energy Strategy Reviews</i> , 2019, 26, 100386.	3.3	34
18	Water vapor harvesting nanostructures through bioinspired gradient-driven mechanism. <i>Chemical Physics Letters</i> , 2019, 728, 167-173.	1.2	14

#	ARTICLE	IF	CITATIONS
19	III-V/Si dual junction solar cell at scale: Manufacturing cost estimates for step-cell based technology. <i>Journal of Renewable and Sustainable Energy</i> , 2018, 10, .	0.8	18
20	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
21	Renewable energy policy trends and recommendations for GCC countries. <i>Energy Transitions</i> , 2017, 1, 1.	3.6	41
22	Core/Shell Microstructure Induced Synergistic Effect for Efficient Water-Droplet Formation and Cloud-Seeding Application. <i>ACS Nano</i> , 2017, 11, 12318-12325.	7.3	28
23	Potential Impact of Methane Hydrate Development on GCC and NEA Energy Trade. , 2016, , 31-53.		0
24	Potential of rooftop solar photovoltaics in the energy system evolution of the United Arab Emirates. <i>Energy Strategy Reviews</i> , 2016, 9, 1-7.	3.3	39
25	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
26	Outlook for a Power Generation Fuel Transition in the MENA Region. <i>Journal of Energy Engineering - ASCE</i> , 2015, 141, 04014026.	1.0	2
27	Shale Gas Formations and Their Potential for Carbon Storage: Opportunities and Outlook. <i>Environmental Processes</i> , 2014, 1, 595-611.	1.7	44
28	Strategic considerations for deployment of solar photovoltaics in the Middle East and North Africa. <i>Energy Strategy Reviews</i> , 2013, 2, 125-131.	3.3	38
29	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
30	Energy strategy research – Charter and perspectives of an emerging discipline. <i>Energy Strategy Reviews</i> , 2013, 1, 135-137.	3.3	5
31	Economic assessment of large scale solar photovoltaic projects in the UAE. , 2013, , .		3
32	Masdar City showcases sustainability. <i>MRS Bulletin</i> , 2013, 38, 450-451.	1.7	4
33	Uncertainty analysis of penicillin V production using Monte Carlo simulation. <i>Biotechnology and Bioengineering</i> , 2005, 90, 167-179.	1.7	31
34	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
35	Relationship between Protein Structure and Methionine Oxidation in Recombinant Human α 1-Antitrypsin. <i>Biochemistry</i> , 2002, 41, 6245-6252.	1.2	88
36	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