

Sebastian Sterl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7697476/publications.pdf>

Version: 2024-02-01

20
papers

794
citations

759055

12
h-index

887953

17
g-index

22
all docs

22
docs citations

22
times ranked

1045
citing authors

#	ARTICLE	IF	CITATIONS
1	The Paris Agreement: resolving the inconsistency between global goals and national contributions. <i>Climate Policy</i> , 2017, 17, 16-32.	2.6	140
2	Hydropower dependency and climate change in sub-Saharan Africa: A nexus framework and evidence-based review. <i>Journal of Cleaner Production</i> , 2019, 231, 1399-1417.	4.6	90
3	Fast Dynamics of Water Droplets Freezing from the Outside In. <i>Physical Review Letters</i> , 2017, 118, 084101.	2.9	89
4	A review of successful climate change mitigation policies in major emitting economies and the potential of global replication. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 137, 110602.	8.2	89
5	A new approach for assessing synergies of solar and wind power: implications for West Africa. <i>Environmental Research Letters</i> , 2018, 13, 094009.	2.2	77
6	Smart renewable electricity portfolios in West Africa. <i>Nature Sustainability</i> , 2020, 3, 710-719.	11.5	66
7	Ten key short-term sectoral benchmarks to limit warming to 1.5°C. <i>Climate Policy</i> , 2018, 18, 287-305.	2.6	61
8	Linking solar and wind power in eastern Africa with operation of the Grand Ethiopian Renaissance Dam. <i>Nature Energy</i> , 2021, 6, 407-418.	19.8	49
9	Short term policies to keep the door open for Paris climate goals. <i>Environmental Research Letters</i> , 2018, 13, 074022.	2.2	48
10	Correcting course: the emission reduction potential of international cooperative initiatives. <i>Climate Policy</i> , 2021, 21, 232-250.	2.6	16
11	Turbines of the Caribbean: Decarbonising Suriname's electricity mix through hydro-supported integration of wind power. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 134, 110352.	8.2	14
12	Dynamical and statistical phenomena of circulation and heat transfer in periodically forced rotating turbulent Rayleigh-Bénard convection. <i>Physical Review Fluids</i> , 2016, 1, .	1.0	13
13	Dynamics of the large-scale circulation in turbulent Rayleigh-Bénard convection with modulated rotation. <i>Journal of Fluid Mechanics</i> , 2015, 778, .	1.4	10
14	A Grid for all Seasons: Enhancing the Integration of Variable Solar and Wind Power in Electricity Systems Across Africa. <i>Current Sustainable/Renewable Energy Reports</i> , 2021, 8, 274-281.	1.2	9
15	Agricultural management effects on mean and extreme temperature trends. <i>Earth System Dynamics</i> , 2022, 13, 419-438.	2.7	6
16	A spatiotemporal atlas of hydropower in Africa for energy modelling purposes. <i>Open Research Europe</i> , 0, 1, 29.	2.0	6
17	REVUB-Light: A parsimonious model to assess power system balancing and flexibility for optimal intermittent renewable energy integration – A study of Suriname. <i>Renewable Energy</i> , 2021, 173, 57-75.	4.3	3
18	Pieces of a puzzle: solar-wind power synergies on seasonal and diurnal timescales tend to be excellent worldwide. <i>Environmental Research Communications</i> , 2022, 4, 055011.	0.9	3

#	ARTICLE	IF	CITATIONS
19	A spatiotemporal atlas of hydropower in Africa for energy modelling purposes. Open Research Europe, 0, 1, 29.	2.0	1
20	A spatiotemporal atlas of hydropower in Africa for energy modelling purposes. Open Research Europe, 0, 1, 29.	2.0	1