

Zarrar Khan

List of Publications by Year in descending order

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17
papers

434
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840119

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607
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating water and energy models for policy driven applications. A review of contemporary work and recommendations for future developments. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 67, 1123-1138.	8.2	96
2	Spatial and temporal synchronization of water and energy systems: Towards a single integrated optimization model for long-term resource planning. <i>Applied Energy</i> , 2018, 210, 499-517.	5.1	72
3	Balancing clean water-climate change mitigation trade-offs. <i>Environmental Research Letters</i> , 2019, 14, 014009.	2.2	48
4	The NExus Solutions Tool (NEST) v1.0: an open platform for optimizing multi-scale energy-water-land system transformations. <i>Geoscientific Model Development</i> , 2020, 13, 1095-1121.	1.3	31
5	Impacts of long-term temperature change and variability on electricity investments. <i>Nature Communications</i> , 2021, 12, 1643.	5.8	26
6	Integrated energy-water-land nexus planning to guide national policy: an example from Uruguay. <i>Environmental Research Letters</i> , 2020, 15, 094014.	2.2	24
7	Impacts of Groundwater Constraints on Saudi Arabia's Low-Carbon Electricity Supply Strategy. <i>Environmental Science & Technology</i> , 2016, 50, 1653-1662.	4.6	23
8	Adaptation to climate-induced regional water constraints in the Spanish energy sector: An integrated assessment. <i>Energy Policy</i> , 2016, 97, 123-135.	4.2	20
9	The Implications of Global Change for the Co-Evolution of Argentina's Integrated Energy-Water-Land Systems. <i>Earth's Future</i> , 2021, 9, e2020EF001970.	2.4	15
10	Representing power sector detail and flexibility in a multi-sector model. <i>Energy Strategy Reviews</i> , 2019, 26, 100411.	3.3	13
11	Integrated energy-water-land nexus planning in the Colorado River Basin (Argentina). <i>Regional Environmental Change</i> , 2021, 21, 1.	1.4	12
12	Evaluating long-term model-based scenarios of the energy system. <i>Energy Strategy Reviews</i> , 2020, 32, 100551.	3.3	12
13	Metis - A Tool to Harmonize and Analyze Multi-Sectoral Data and Linkages at Variable Spatial Scales. <i>Journal of Open Research Software</i> , 2020, 8, 10.	2.7	12
14	The future evolution of energy-water-agriculture interconnectivity across the US. <i>Environmental Research Letters</i> , 2021, 16, 065010.	2.2	11
15	GCAM-USA v5.3_water_dispatch: integrated modeling of subnational US energy, water, and land systems within a global framework. <i>Geoscientific Model Development</i> , 2022, 15, 2533-2559.	1.3	10
16	rfasst: An R tool to estimate air pollution impacts on health and agriculture. <i>Journal of Open Source Software</i> , 2022, 7, 3820.	2.0	2
17	plutus: An R package to calculate electricity investments and stranded assets from the Global Change Analysis Model (GCAM). <i>Journal of Open Source Software</i> , 2021, 6, 3212.	2.0	1