Zarrar Khan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Integrating water and energy models for policy driven applications. A review of contemporary work and recommendations for future developments. Renewable and Sustainable Energy Reviews, 2017, 67, 1123-1138.	16.4	96
2	Spatial and temporal synchronization of water and energy systems: Towards a single integrated optimization model for long-term resource planning. Applied Energy, 2018, 210, 499-517.	10.1	72
3	Balancing clean water-climate change mitigation trade-offs. Environmental Research Letters, 2019, 14, 014009.	5.2	48
4	The NExus Solutions Tool (NEST) v1.0: an open platform for optimizing multi-scale energy–water–land system transformations. Geoscientific Model Development, 2020, 13, 1095-1121.	3.6	31
5	Impacts of long-term temperature change and variability on electricity investments. Nature Communications, 2021, 12, 1643.	12.8	26
6	Integrated energy-water-land nexus planning to guide national policy: an example from Uruguay. Environmental Research Letters, 2020, 15, 094014.	5.2	24
7	Impacts of Groundwater Constraints on Saudi Arabia's Low-Carbon Electricity Supply Strategy. Environmental Science & Technology, 2016, 50, 1653-1662.	10.0	23
8	Adaptation to climate-induced regional water constraints in the Spanish energy sector: An integrated assessment. Energy Policy, 2016, 97, 123-135.	8.8	20
9	The Implications of Global Change for the Coâ€Evolution of Argentina's Integrated Energyâ€Waterâ€Land Systems. Earth's Future, 2021, 9, e2020EF001970.	6.3	15
10	Representing power sector detail and flexibility in a multi-sector model. Energy Strategy Reviews, 2019, 26, 100411.	7.3	13
11	Integrated energy-water-land nexus planning in the Colorado River Basin (Argentina). Regional Environmental Change, 2021, 21, 1.	2.9	12
12	Evaluating long-term model-based scenarios of the energy system. Energy Strategy Reviews, 2020, 32, 100551.	7.3	12
13	Metis – A Tool to Harmonize and Analyze Multi-Sectoral Data and Linkages at Variable Spatial Scales. Journal of Open Research Software, 2020, 8, 10.	5.9	12
14	The future evolution of energy-water-agriculture interconnectivity across the US. Environmental Research Letters, 2021, 16, 065010.	5.2	11
15	GCAM-USA v5.3_water_dispatch: integrated modeling of subnational US energy, water, and land systems within a global framework. Geoscientific Model Development, 2022, 15, 2533-2559.	3.6	10
16	rfasst: An R tool to estimate air pollution impacts on health and agriculture. Journal of Open Source Software, 2022, 7, 3820.	4.6	2
17	plutus: An R package to calculate electricity investments and stranded assets from the Clobal Change Analysis Model (GCAM). Journal of Open Source Software, 2021, 6, 3212.	4.6	1