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Hydro power flexibility for power systems with variable renewable energy sources: an IEA Task 25 collaborat

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#	Paper	IF	Citations
34	Supporting Renewables Penetration in Remote Areas through the Transformation of Non-Powered Dams. <i>Energies</i> , 2016 , 9, 1054	3.1	18
33	Hydro power equivalents of complex river systems. 2017 ,		1
32	Private and Social Benefits of a Pumped Hydro Energy Storage with Increasing Amount of Wind Power. <i>SSRN Electronic Journal</i> , 2017 ,	1	2
31	A generic framework for power system flexibility analysis using cooperative game theory. <i>Applied Energy</i> , 2018 , 212, 223-232	10.7	35
30	Towards a fully integrated North Sea offshore grid: An engineering-economic assessment of a power link island. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018 , 7, e296	4.7	4
29	Contribution of wind energy to balancing markets: The case of Spain. <i>Wiley Interdisciplinary Reviews: Energy and Environment</i> , 2018 , 7, e300	4.7	4
28	Private and social benefits of a pumped hydro energy storage with increasing amount of wind power. <i>Energy Economics</i> , 2019 , 81, 942-959	8.3	14
27	On the participation of wind energy in response and reserve markets in Great Britain and Spain. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 115, 109360	16.2	11
26	The role of hydro power, storage and transmission in the decarbonization of the Chinese power system. <i>Applied Energy</i> , 2019 , 239, 1308-1321	10.7	41
25	How are the long distances between renewable energy sources and load centres reflected in locational marginal prices?. <i>Energy</i> , 2020 , 210, 118546	7.9	1
24	Reconstruction of Multidecadal Country-Aggregated Hydro Power Generation in Europe Based on a Random Forest Model. <i>Energies</i> , 2020 , 13, 1786	3.1	4
23	Existing and new arrangements of pumped-hydro storage plants. <i>Renewable and Sustainable Energy Reviews</i> , 2020 , 129, 109914	16.2	29
22	The impact of glacier shrinkage on energy production from hydropower-solar complementarity in alpine river basins. <i>Science of the Total Environment</i> , 2020 , 719, 137488	10.2	11
21	Assessing hydropower flexibility for integrating solar and wind energy in West Africa using dynamic programming and sensitivity analysis. Illustration with the Akosombo reservoir, Ghana. <i>Journal of Cleaner Production</i> , 2021 , 287, 125559	10.3	14
20	A taxonomy of systems that combine utility-scale renewable energy and energy storage technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 139, 110711	16.2	15
19	How different power plant types contribute to electric grid reliability, resilience, and vulnerability: a comparative analytical framework. <i>Progress in Energy</i> , 2021 , 3, 033001	7.7	1
18	Capability of Advanced Ultrasonic Inspection Technologies for Hydraulic Turbine Runners. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 4681	2.6	0

17	Wind energy's bycatch: Offshore wind deployment impacts on hydropower operation and migratory fish. <i>Renewable and Sustainable Energy Reviews</i> , 2021 , 143, 110885	16.2	4
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15	On the Optimal Coordinated Hydropower Bidding Strategy in Day-Ahead Energy and Manual Frequency Restoration Reserve Markets. 2021 ,		2
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10	The application of sub-seasonal to seasonal (S2S) predictions for hydropower forecasting. <i>Meteorological Applications</i> , 2022 , 29,	2.1	0
9	Mechanistic Model of an Air Cushion Surge Tank for Hydro Power Plants. <i>Energies</i> , 2022 , 15, 2824	3.1	
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