

# Menglian Zheng

## List of Publications by Year in descending order

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15  
papers

339  
citations

1040056

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h-index

1199594

12  
g-index

16  
all docs

16  
docs citations

16  
times ranked

319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Equivalent Modeling of Inverter Air Conditioners for Providing Frequency Regulation Service. IEEE Transactions on Industrial Electronics, 2019, 66, 1413-1423.	7.9	83
2	Dynamic control strategy for the electrolyte flow rate of vanadium redox flow batteries. Applied Energy, 2018, 227, 613-623.	10.1	66
3	Flow field design pathways from lab-scale toward large-scale flow batteries. Energy, 2019, 173, 637-646.	8.8	48
4	Three-dimensional detached serpentine flow field design for redox flow batteries. Journal of Power Sources, 2019, 428, 136-145.	7.8	25
5	No-mixing design of vanadium redox flow battery for enhanced effective energy capacity. Journal of Energy Storage, 2019, 23, 278-291.	8.1	23
6	Pathways Toward Enhanced Techno-Economic Performance of Flow Battery Systems in Energy System Applications. Journal of Electrochemical Energy Conversion and Storage, 2019, 16, .	2.1	19
7	Flow-Rate Optimization and Economic Analysis of Vanadium Redox Flow Batteries in a Load-Shifting Application. Journal of Energy Engineering - ASCE, 2017, 143, .	1.9	17
8	Understanding cost reduction of China's biomass direct combustion power generationâ€”A study based on learning curve model. Journal of Cleaner Production, 2018, 188, 546-555.	9.3	17
9	Serpentine flow field with changing rib width for enhancing electrolyte penetration uniformity in redox flow batteries. Journal of Energy Storage, 2022, 49, 104135.	8.1	12
10	Variable current strategy for boosting the effective energy capacity in vanadium redox flow batteries. Journal of Energy Storage, 2020, 27, 101058.	8.1	7
11	Adjustable insulation for enhancing the performance of phase change materials in buildings. International Journal of Energy Research, 2020, 44, 3674-3686.	4.5	5
12	Collaborative Optimization of Resident Load Based on Cloud-edge-terminal. , 2019, , .		3
13	Operational Reliability Evaluation of Distributed Multi-energy Systems Considering Optimal Control of Energy Storages. , 2021, , .		2
14	Model-based optimization for combined interdigitated and serpentine flow field in redox flow batteries. International Journal of Green Energy, 0, , 1-12.	3.8	2
15	Dispatch strategies of distributed tri-generation system in the context of energy internet. , 2019, , .		1