Ravendra Gundlapalli

List of Publications by Year
in descending order

12 papers	243 citations	1040056 9 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	124 citing authors

#	Article	IF	Citations
1	Characterization and scale-up of serpentine and interdigitated flow fields for application in commercial vanadium redox flow batteries. Journal of Power Sources, 2022, 542, 231812.	7.8	10
2	Case studies of operational failures of vanadium redox flow battery stacks, diagnoses and remedial actions. Journal of Energy Storage, 2021, 33, 102078.	8.1	13
3	Effective splitting of serpentine flow field for applications in large-scale flow batteries. Journal of Power Sources, 2021, 487, 229409.	7.8	34
4	Dataset on performance of large-scale vanadium redox flow batteries with serpentine flow fields. Data in Brief, 2021, 35, 106835.	1.0	4
5	Comparative Study of Kilowatt-Scale Vanadium Redox Flow Battery Stacks Designed with Serpentine Flow Fields and Split Manifolds. Batteries, 2021, 7, 30.	4.5	9
6	Power and Energy Rating Considerations in Integration of Flow Battery with Solar PV and Residential Load. Batteries, 2021, 7, 62.	4.5	15
7	Characteristics of an Indigenously Developed 1ÂKW Vanadium Redox Flow Battery Stack. Springer Proceedings in Energy, 2021, , 923-929.	0.3	3
8	Effect of electrolyte convection velocity in the electrode on the performance of vanadium redox flow battery cells with serpentine flow fields. Journal of Energy Storage, 2020, 30, 101516.	8.1	24
9	Performance characteristics of several variants of interdigitated flow fields for flow battery applications. Journal of Power Sources, 2020, 467, 228225.	7.8	32
10	Effect of electrode compression and operating parameters on the performance of large vanadium redox flow battery cells. Journal of Power Sources, 2019, 427, 231-242.	7.8	33
11	Effect of channel dimensions of serpentine flow fields on the performance of a vanadium redox flow battery. Journal of Energy Storage, 2019, 23, 148-158.	8.1	41
12	Stack Design Considerations for Vanadium Redox Flow Battery. INAE Letters, 2018, 3, 149-157.	1.0	25