

# Ravendra Gundlapalli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9872899/publications.pdf>

Version: 2024-02-01

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