Umair Nisar

List of Publications by Citations

13 papers	268 citations	9 h-index	13 g-index
13 ext. papers	393 ext. citations	6.2 avg, IF	3.51 L-index

#	Paper	IF	Citations
13	Na4MnV(PO4)3-rGO as Advanced cathode for aqueous and non-aqueous sodium ion batteries. *Journal of Power Sources*, **2019**, 429, 149-155	8.9	43
12	Extreme fast charging characteristics of zirconia modified LiNi0.5Mn1.5O4 cathode for lithium ion batteries. *Journal of Power Sources*, **2018**, 396, 774-781	8.9	42
11	Sodium intercalation/de-intercalation mechanism in Na4MnV(PO4)3 cathode materials. *Electrochimica Acta*, **2018**, 292, 98-106	6.7	40
10	Valuation of Surface Coatings in High-Energy Density Lithium-ion Battery Cathode Materials. *Energy Storage Materials*, **2021**, 38, 309-328	19.4	39
9	Understanding the Origin of the Ultrahigh Rate Performance of a SiO2-Modified LiNi0.5Mn1.5O4 Cathode for Lithium-Ion Batteries. *ACS Applied Energy Materials*, **2019**, 2, 7263-7271	6.1	28
8	Revealing of Core Shell Effect on Frequency-Dependent Properties of Bi-based Relaxor/Ferroelectric Ceramic Composites. *Scientific Reports*, **2018**, 8, 14146	4.9	23
7	Synthesis and electrochemical characterization of Cr-doped lithium-rich Li1.2Ni0.16Mn0.56Co0.08-xCrxO2 cathodes. *Emergent Materials*, **2018**, 1, 155-164	3.5	15
6	Impact of surface coating on electrochemical and thermal behaviors of a Li-rich LiNiMnCoO cathode.. *RSC Advances*, **2020**, 10, 15274-15281	3.7	13
5	Synthesis and performance evaluation of nanostructured NaFe Cr (SO) cathode materials in sodium ion batteries (SIBs).. *RSC Advances*, **2018**, 8, 32985-32991	3.7	10
4	Understanding the Nature of Capacity Decay and Interface Properties in Li//LiNi0.5Mn1.5O4 Cells by Cycling Aging and Titration Techniques. *ACS Applied Energy Materials*, **2020**, 3, 6400-6407	6.1	6
3	Improved electrochemical performance of SiO2-coated Li-rich layered oxides-Li1.2Ni0.13Mn0.54Co0.13O2. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 19475-19486	2.1	4
2	Fast and Scalable Synthesis of LiNi0.5Mn1.5O4 Cathode by Sol-Gel-Assisted Microwave Sintering. *Energy Technology*, **2021**, 9, 2100085	3.5	3
1	Electrospun PVA/CuONPs/Bitter Gourd Nanofibers with Improved Cytocompatibility and Antibacterial Properties: Application as Antibacterial Wound Dressing.. *Polymers*, **2022**, 14,	4.5	2