Robert Ilango Pushparaj

List of Publications by Year
in descending order

19	609	623734	794594
papers	citations	14 h-index	19 g-index

19	19	19	907
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glancing angle deposition of large-scale helical Si@Cu₃Si nanorod arrays for high-performance anodes in rechargeable Li-ion batteries. Nanoscale, 2021, 13, 18626-18631.	5.6	6
2	In Situ Synthesis of Grapheneâ€Coated Silicon Monoxide Anodes from Coalâ€Derived Humic Acid for Highâ€Performance Lithiumâ€Ion Batteries. Advanced Functional Materials, 2021, 31, 2101645.	14.9	65
3	Facile synthesis of self-organized single crystalline TiOF2 nanotubes for photocatalytic hydrogen evolution. Solid State Sciences, 2021, 117, 106627.	3.2	9
4	Coal-Derived Graphene/MoS₂ Heterostructure Electrodes for Li-Ion Batteries: Experiment and Simulation Study. ACS Applied Materials & Interfaces, 2021, 13, 59950-59961.	8.0	15
5	Molybdenum Carbideâ€Embedded Multichannel Hollow Carbon Nanofibers as Bifunctional Catalysts for Water Splitting. Chemistry - an Asian Journal, 2020, 15, 1957-1962.	3.3	7
6	Biopolymer phytagel-derived porous nanocarbon as efficient electrode material for high-performance symmetric solid-state supercapacitors. Journal of Industrial and Engineering Chemistry, 2019, 80, 258-264.	5.8	17
7	Carbonâ€Based Alloyâ€Type Composite Anode Materials toward Sodiumâ€Ion Batteries. Small, 2019, 15, e1900628.	10.0	42
8	Tunable nitrogen-doped graphene sheets produced with in situ electrochemical cathodic plasma at room temperature for lithium-ion batteries. Materials Today Energy, 2019, 12, 336-347.	4.7	25
9	Electrospinning techniques for Li, Na and K-ion batteries. Current Opinion in Electrochemistry, 2019, 18, 106-112.	4.8	12
10	Metal-organic framework derived Co@NC/CNT hybrid as a multifunctional electrocatalyst for hydrogen and oxygen evolution reaction and oxygen reduction reaction. International Journal of Hydrogen Energy, 2019, 44, 32054-32065.	7.1	65
11	Wet chemical synthesis and characterization of nanocrystalline ZnWO4 for application in Li-ion batteries. Materials Chemistry and Physics, 2018, 207, 367-372.	4.0	19
12	A superior dye adsorbent towards the hydrogen evolution reaction combining active sites and phase-engineering of (1T/2H) MoS₂/Î±-MoO₃ hybrid heterostructured nanoflowers. Journal of Materials Chemistry A, 2018, 6, 15320-15329.	10.3	86
13	The effects of mechanical alloying on the self-discharge and corrosion behavior in Zn-air batteries. Journal of Industrial and Engineering Chemistry, 2017, 53, 247-252.	5.8	39
14	Eco-friendly nitrogen-containing carbon encapsulated LiMn2O4 cathodes to enhance the electrochemical properties in rechargeable Li-ion batteries. Scientific Reports, 2016, 6, 29826.	3.3	54
15	Design and electrochemical investigation of a novel graphene oxide-silver joint conductive agent on LiFePO4 cathodes in rechargeable lithium-ion batteries. Journal of Industrial and Engineering Chemistry, 2016, 36, 121-124.	5.8	24
16	Structural and electrochemical evaluation of bismuth doped lithium titanium oxides for lithium ion batteries. Journal of Power Sources, 2015, 280, 23-29.	7.8	41
17	Physical and electrochemical performance of LiNi 1/3 Co 1/3 Mn 1/3 O 2 cathodes coated by Sb 2 O 3 using a solâ€“gel process. Materials Chemistry and Physics, 2015, 158, 45-51.	4.0	33
18	Facile longitudinal unzipping of carbon nanotubes to graphene nanoribbons and their effects on LiMn2O4 cathodes in rechargeable lithium-ion batteries. Acta Materialia, 2015, 100, 11-18.	7.9	35

#	Article	IF	Citations
19	Effect of Additives on Electrochemical and Corrosion Behavior of Gel Type Electrodes for Zn-Air System. Industrial & Engineering Chemistry Research, 2014, 53, 17370-17375.	3.7	15