P Perumal

List of Publications by Year in Descending Order

11 papers	187 citations	6 h-index	11 g-index
11 ext. papers	265 ext. citations	2.7 avg, IF	3.5 L-index

#	Paper	IF	Citations
11	Free-standing, high Li-ion conducting hybrid PAN/PVdF/LiClO4/Li0.5La0.5TiO3 nanocomposite solid polymer electrolytes for all-solid-state batteries. *Journal of Solid State Electrochemistry*, **2021**, 25, 905-917	2.6	6
10	A short investigation on LiMn2O4 wrapped with MWCNT as composite cathode for lithium-ion batteries. *Bulletin of Materials Science*, **2021**, 44, 1	1.7	
9	Tamarind seed polysaccharide biopolymer-assisted synthesis of spinel zinc iron oxide as a promising alternate anode material for lithium-ion batteries. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 10593-10604	2.1	3
8	Red algae-derived k-carrageenan-based proton-conducting electrolytes for the wearable electrical devices. *Journal of Solid State Electrochemistry*, **2020**, 24, 2249-2260	2.6	6
7	Green synthesized spinel lithium titanate nano anode material using Aloe Vera extract for potential application to lithium ion batteries. *Journal of Science: Advanced Materials and Devices*, **2020**, 5, 346-353	4.2	3
6	Synthesis and characterization of biopolymer electrolyte based on tamarind seed polysaccharide, lithium perchlorate and ethylene carbonate for electrochemical applications. *Ionics*, **2019**, 25, 1067-1082	2.7	58
5	Bio-host pectin complexed with dilithium borate based solid electrolytes for polymer batteries. *Materials Research Express*, **2019**, 6, 115513	1.7	9
4	Plasticizer incorporated, novel eco-friendly bio-polymer based solid bio-membrane for electrochemical clean energy applications. *Polymer Degradation and Stability*, **2019**, 159, 43-53	4.7	24
3	Characterization of biopolymer pectin with lithium chloride and its applications to electrochemical devices. *Ionics*, **2018**, 24, 3259-3270	2.7	34
2	Tamarind seed polysaccharide biopolymer membrane for lithium-ion conducting battery. *Ionics*, **2018**, 24, 3793-3803	2.7	20
1	Study of proton-conducting polymer electrolyte based on K-carrageenan and NH4SCN for electrochemical devices. *Ionics*, **2018**, 24, 3535-3542	2.7	24