

Christopher Selvin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

24
papers

311
citations

10
h-index

17
g-index

29
ext. papers

437
ext. citations

2.7
avg, IF

3.98
L-index

#	Paper	IF	Citations
24	Chitosan based biopolymer electrolyte reinforced with V2O5 filler for magnesium batteries: an inclusive investigation. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 3925	2.1	0
23	A Critical Review on Electrochemical Properties and Significance of Orthosilicate-Based Cathode Materials for Rechargeable Li/Na/Mg Batteries and Hybrid Supercapacitors. <i>ChemistrySelect</i> , 2021 , 6, 12036-12073	1.8	1
22	Investigations on Na-ion conducting electrolyte based on sodium alginate biopolymer for all-solid-state sodium-ion batteries. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 2009-2020	2.6	4
21	Free-standing, high Li-ion conducting hybrid PAN/PVdF/LiClO4/Li0.5La0.5TiO3 nanocomposite solid polymer electrolytes for all-solid-state batteries. <i>Journal of Solid State Electrochemistry</i> , 2021 , 25, 905-917	2.6	6
20	Tamarind seed polysaccharide biopolymer-assisted synthesis of spinel zinc iron oxide as a promising alternate anode material for lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 10593-10604	2.1	3
19	Red algae-derived k-carrageenan-based proton-conducting electrolytes for the wearable electrical devices. <i>Journal of Solid State Electrochemistry</i> , 2020 , 24, 2249-2260	2.6	6
18	Green synthesized spinel lithium titanate nano anode material using Aloe Vera extract for potential application to lithium ion batteries. <i>Journal of Science: Advanced Materials and Devices</i> , 2020 , 5, 346-353	4.2	3
17	Performance Enhancement of PVDF/LiClO4 Based Nanocomposite Solid Polymer Electrolytes via Incorporation of Li0.5La0.5TiO3 Nano Filler for All-Solid-State Batteries. <i>Macromolecular Research</i> , 2020 , 28, 739-750	1.9	13
16	Insight into cations substitution on structural and electrochemical properties of nanostructured Li2FeSiO4/C cathodes. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 1685-1697	3.8	11
15	Mg-ion conducting electrolytes based on chitosan biopolymer host for the rechargeable Mg batteries. <i>Materials Today: Proceedings</i> , 2020 ,	1.4	2
14	Structural and Electrical Properties of Bio-polymer Pectin with LiClO4 Solid Electrolytes for Lithium Ion Polymer Batteries. <i>Materials Today: Proceedings</i> , 2019 , 8, 196-202	1.4	8
13	Investigations on The Effect Of Sm3+ Doping on The Electrochemical Performance of The Li2FeSiO4/C Nanocomposite Cathode Material for Lithium Ion Batteries. <i>Materials Today: Proceedings</i> , 2019 , 8, 346-351	1.4	4
12	Synthesis and characterization of biopolymer electrolyte based on tamarind seed polysaccharide, lithium perchlorate and ethylene carbonate for electrochemical applications. <i>Ionics</i> , 2019 , 25, 1067-1082	2.7	58
11	Study on Mg-ion conducting solid biopolymer electrolytes based on tamarind seed polysaccharide for magnesium ion batteries. <i>Materials Research Bulletin</i> , 2019 , 118, 110490	5.1	22
10	Structure, dielectric, and temperature-dependent conductivity studies of the Li2FeSiO4/C nano cathode material for lithium-ion batteries. <i>Ionics</i> , 2019 , 25, 2041-2056	2.7	9
9	Bio-host pectin complexed with dilithium borate based solid electrolytes for polymer batteries. <i>Materials Research Express</i> , 2019 , 6, 115513	1.7	9
8	Plasticizer incorporated, novel eco-friendly bio-polymer based solid bio-membrane for electrochemical clean energy applications. <i>Polymer Degradation and Stability</i> , 2019 , 159, 43-53	4.7	24

7	Characterization of biopolymer pectin with lithium chloride and its applications to electrochemical devices. <i>Ionics</i> , 2018 , 24, 3259-3270	2.7	34
6	Tamarind seed polysaccharide biopolymer membrane for lithium-ion conducting battery. <i>Ionics</i> , 2018 , 24, 3793-3803	2.7	20
5	Study on the influences of calcination temperature on structure and its electrochemical performance of Li ₂ FeSiO ₄ /C nano cathode for Lithium Ion Batteries. <i>Journal of Alloys and Compounds</i> , 2018 , 740, 1116-1124	5.7	19
4	Study of proton-conducting polymer electrolyte based on K-carrageenan and NH ₄ SCN for electrochemical devices. <i>Ionics</i> , 2018 , 24, 3535-3542	2.7	24
3	Study of the temperature dependent transport properties in nanocrystalline lithium lanthanum titanate for lithium ion batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2016 , 91, 114-121	3.9	30
2	Analysis on down converting Sm ³⁺ -incorporated TiO ₂ mesoporous nanostructures for DSSC applications. <i>Journal of Materials Science: Materials in Electronics</i> ,1	2.1	
1	Fine-tuning of stannic oxide anodes material properties through calcination. <i>Journal of Materials Science: Materials in Electronics</i> ,1	2.1	0