Eslam M Sheha

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6558968/publications.pdf

Version: 2024-02-01

50	737	567281	580821
papers	citations	15	25
		h-index	g-index

50	50	50	732
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Probing the effect of the stoichiometric ratio of Mg(CF₃SO₃)₂/AlCl₃ on optimizing the electrolyte performance. Materials Research Innovations, 2023, 27, 75-82.	2.3	3
2	Exploring the electrochemical properties of Na2S -V2O5-P2O5 glass-ceramic nanocomposites as a cathode for magnesium-ion batteries. Journal of Alloys and Compounds, 2022, 895, 162644.	5.5	11
3	A Simple Cl^{â€“}-Free Electrolyte Based on Magnesium Nitrate for Magnesiumâ€“Sulfur Battery Applications. ACS Applied Energy Materials, 2022, 5, 2260-2269.	5.1	24
4	Study of ionic conduction, dielectric relaxation, optical and electrochemical properties of AgPO3/graphene glasses for magnesium battery applications. Journal of Non-Crystalline Solids, 2022, 584, 121480.	3.1	9
5	Polymer electrolytes based on magnesium triflate for quasi-solid-state magnesium-sulfur batteries. Physica Scripta, 2022, 97, 065816.	2.5	3
6	Study the structure and electrochemical performance of BaTiO3/S electrode for magnesium-ion batteries. Materials Letters, 2021, 284, 129033.	2.6	12
7	Impact of sodium oxide, sulfide, and fluoride-doped vanadium phosphate glasses on the thermoelectric power and electrical properties: structure analysis and conduction mechanism. Journal of Materials Science: Materials in Electronics, 2021, 32, 3699-3712.	2.2	9
8	Water scavenger as effective electrolyte additive and hybrid binderâ€free organic/inorganic cathode for Mg battery applications. Electrochimica Acta, 2021, 372, 137883.	5.2	11
9	Water scavengers controlled electrolyte performance and sulfur cathode for magnesium-ion batteries. Ionics, 2021, 27, 4295-4305.	2.4	0
10	Probing a new halogen-free electrolyte and Ba0.85Sm0.1TiO3 cathode for Mg battery applications. Journal of Materials Science: Materials in Electronics, 2021, 32, 28781-28791.	2.2	1
11	Dual Polymer/Liquid Electrolyte with BaTiO₃ Electrode for Magnesium Batteries. ACS Applied Energy Materials, 2020, 3, 5882-5892.	5.1	26
12	Synthesis and characterization of polyvinylidene fluoride/magnesium bromide polymer electrolyte for magnesium battery application. Physica Scripta, 2020, 95, 115805.	2.5	2
13	An Attempt to Utilize Hard Magnetic BaFe12O19 Phase as a Cathode for Magnesium Batteries. Journal of Electronic Materials, 2019, 48, 1612-1616.	2.2	6
14	Structural characteristic of vanadium(V) oxide/sulfur composite cathode for magnesium battery applications. Materials Science-Poland, 2019, 37, 570-576.	1.0	4
15	The electrical and electrochemical properties of graphene nanoplatelets modified 75V2O5â€“25P2O5 glass as a promising anode material for lithium ion battery. Journal of Alloys and Compounds, 2018, 735, 445-453.	5.5	15
16	SmFeO₃ and Bi-doped SmFeO₃ perovskites as an alternative class of electrodes in lithium-ion batteries. CrystEngComm, 2018, 20, 6165-6172.	2.6	17
17	Attempt to tune the dielectric and optical properties in PVA/ZnO composite using tetra ethylene glycol dimethyl ether for light emitting devices. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	18
18	Magnesium hexakis(methanol)-dinitrate complex electrolyte for use in rechargeable magnesium batteries. Journal of Solid State Electrochemistry, 2018, 22, 2671-2679.	2.5	11

#	Article	IF	Citations
19	Graphene and magnesiated graphene as electrodes for magnesium ion batteries. Materials Letters, 2018, 232, 103-106.	2.6	11
20	Evaluate the Effect of Super P Carbon Black on Tuning the Optical and Photometric Properties of PVA-ZnO Composite. Journal of Nanoelectronics and Optoelectronics, 2018, 13, 349-356.	0.5	3
21	Green synthesis of Co₃O₄/graphene nanocomposite as cathode for magnesium batteries. Materials Science-Poland, 2017, 35, 528-533.	1.0	4
22	Evaluation the Effect of Graphene Nanoplatelets on the Structure, Electrical and Thermoelectric Properties of Polyvinyl Alcohol. Journal of Advanced Physics, 2017, 6, 177-186.	0.4	1
23	Electrical and electrochemical properties of titanium dioxide /graphene nano platelets cathode for magnesium battery applications. CiÃªncia & Tecnologia Dos Materiais, 2016, 28, 117-123.	0.5	1
24	Evaluation of the effect of V₂O₅on the electrical and thermoelectric properties of poly(vinyl alcohol)/graphene nanoplatelets nanocomposite. Materials Research Express, 2016, 3, 035015.	1.6	11
25	Ion transport properties of magnesium bromide/dimethyl sulfoxide non-aqueous liquid electrolyte. Journal of Advanced Research, 2016, 7, 29-36.	9.5	8
26	Structure, Thermal and Electrical Properties of Germanium Oxide/Graphene Nano-Composite Cathode for Magnesium Battery. Energy and Environment Focus, 2016, 5, 29-34.	0.3	1
27	Effect of Magnesium Bromide on the Electrical and Electrochemical Properties of PVA and Tetraethylene Glycol Dimethyl Ether Polymer Electrolyte for Solid State Magnesium Batteries. Energy and Environment Focus, 2016, 5, 125-130.	0.3	2
28	Characterization of Ionic Polymer Blend Electrolytes Based on Polyvinyl Alcohol Doped with Selenious Acid-Sodium Bromide. Journal of Advanced Physics, 2016, 5, 309-315.	0.4	0
29	Effect of Tetraethylene Glycol Dimethyl Ether on Electrical, Structural and Thermal Properties of PVA-Based Polymer Electrolyte for Magnesium Battery. Acta Physica Polonica A, 2015, 127, 803-810.	0.5	16
30	The role of MgBr2 to enhance the ionic conductivity of PVA/PEDOT:PSS polymer composite. Journal of Advanced Research, 2015, 6, 563-569.	9.5	18
31	Structural, thermal and electrical properties of plasticised PVA based polymer electrolyte. Materials Science and Technology, 2015, 31, 1113-1121.	1.6	14
32	Synthesis and characterization of poly(vinyl alcohol)-acid salt polymer electrolytes. Materials Express, 2014, 4, 483-490.	0.5	11
33	Preparation and characterization of Mg²⁺-ion conducting composite based on poly(vinyl alcohol) with various concentrations of Li₂O. Materials Express, 2014, 4, 293-300.	0.5	10
34	Electrical conduction and dielectric relaxation in p-type PVA/CuI polymer composite. Journal of Advanced Research, 2013, 4, 531-538.	9.5	85
35	Characterization of PVA/CuI polymer composites as electron donor for photovoltaic application. Optik, 2013, 124, 1624-1631.	2.9	35
36	Characterization of poly (vinyl alcohol)/poly(3,4-ethylenedioxythiophene) poly(styrenesulfonate) polymer blend: structure, optical absorption, electrical and dielectric properties. Physica Scripta, 2013, 88, 035701.	2.5	32

#	Article	IF	Citations
37	Preparation and physical properties of (PVA)0.7(NaBr)0.3(H3PO4)M solid acid membrane for phosphoric acid â€“ Fuel cells. Journal of Advanced Research, 2013, 4, 155-161.	9.5	49
38	Structure, dielectric and optical properties of p-type (PVA/CuI) nanocomposite polymer electrolyte for photovoltaic cells. Optik, 2012, 123, 1161-1166.	2.9	92
39	Impact of ethylene carbonate on electrical properties of PVA/(NH4)2SO4/H2SO4 proton-conductive membrane. Ionics, 2011, 17, 255-261.	2.4	14
40	Impact of hydroquinone on thermal and electrical properties of plasticized [poly(vinyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (alc	3.1	3
41	Investigations on the electrical and structural properties of PVA doped with (NH₄)₂SO₄. Journal of Applied Polymer Science, 2010, 116, 1213-1217.	2.6	5
42	Structural and electrical properties of pure and H2SO4 doped (PVA)0.7(NaI)0.3 solid polymer electrolyte. Ionics, 2010, 16, 269-275.	2.4	22
43	Investigations of (PVA)_{0.7}(NaBr)_{0.3}(H₂SO₄)_{xM} solid acid polymer electrolyte using positron annihilation lifetime spectroscopy. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 2038-2044.	2.1	4
44	Preparation and physical properties of (PVA)0.75(NH4Br)0.25(H2SO4)xM solid acid membrane. Journal of Non-Crystalline Solids, 2010, 356, 2282-2285.	3.1	6
45	An investigation of the electrical conductivity and ultrasonic properties of the KHCO3compound. Physica Scripta, 2009, 80, 035402.	2.5	0
46	Ionic conductivity and dielectric properties of plasticized PVA0.7(LiBr)0.3(H2SO4)2.7M solid acid membrane and its performance in a magnesium battery. Solid State Ionics, 2009, 180, 1575-1579.	2.7	31
47	A high voltage magnesium battery based on H2SO4-doped (PVA)0.7(NaBr)0.3 solid polymer electrolyte. Journal of Power Sources, 2008, 185, 1509-1513.	7.8	56
48	Electrical conductivity and dielectric properties of cesium sulfate based materials. Materials Chemistry and Physics, 2007, 103, 65-69.	4.0	0
49	DIMER ORDERâ€“DISORDER TRANSITION DEPENDENCE ON THE OPTICAL ABSORPTION PARAMETERS OF THE KHCO3 COMPOUND. Surface Review and Letters, 2004, 11, 199-203.	1.1	1
50	CHARACTERIZATION OF KHCO3 SINGLE CRYSTALS. Surface Review and Letters, 2004, 11, 83-86.	1.1	9