

Samsudin, A S

List of Publications by Year in descending order

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79
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1,634
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361413

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330143

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docs citations

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times ranked

657
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of biopolymer Blend-based on alginate and Poly(vinyl Alcohol) as an application for polymer host in polymer electrolyte. <i>Materials Today: Proceedings</i> , 2022, 48, 849-853.	1.8	3
2	Progress on biopolymer as an application in electrolytes system: A review study. <i>Materials Today: Proceedings</i> , 2022, 49, 3668-3678.	1.8	7
3	Correlation Studies Between Structural and Ionic Transport Properties of Lithium-Ion Hybrid Gel Polymer Electrolytes Based PMMA-PLA. <i>Journal of Polymers and the Environment</i> , 2022, 30, 1864-1879.	5.0	10
4	The influences of PLA into PMMA on crystallinity and thermal properties enhancement-based hybrid polymer in gel properties. <i>Materials Today: Proceedings</i> , 2022, 49, 3105-3111.	1.8	13
5	Contribution of Li ⁺ Ions to a Gel Polymer Electrolyte Based on Polymethyl Methacrylate and Poly(lactic Acid Doped with Lithium Bis(oxalato) Borate. <i>Journal of Electronic Materials</i> , 2022, 51, 745-760.	2.2	8
6	Involvement of ethylene carbonate on the enhancement H ⁺ carriers in structural and ionic conduction performance on alginate bio-based polymer electrolytes. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 7846-7860.	7.1	9
7	Electrical conduction of PMMA/PLA doped lithium bis(oxalato) borate based hybrid gel polymer electrolyte. <i>Materials Today: Proceedings</i> , 2022, 51, 1460-1460.	1.8	3
8	Study on ionic conduction of alginate bio-based polymer electrolytes by incorporating ionic liquid. <i>Materials Today: Proceedings</i> , 2022, 51, 1455-1459.	1.8	4
9	Studies on the ions transportation behavior of alginate doped with H ⁺ carrier-based polymer electrolytes. <i>Materials Chemistry and Physics</i> , 2022, 287, 126207.	4.0	5
10	Studies on favorable ionic conduction and structural properties of biopolymer electrolytes system-based alginate. <i>Polymer Bulletin</i> , 2021, 78, 2155-2175.	3.3	30
11	Highly conducting polymer electrolyte-ionic liquid and porous carbon material for sandwich electric double layer capacitor. <i>High Performance Polymers</i> , 2021, 33, 469-475.	1.8	15
12	Electrochemical Properties of CMC/PVA Polymer Blend Electrolyte for Solid State Electric Double Layer Capacitors. <i>Journal of Electronic Materials</i> , 2021, 50, 303-313.	2.2	5
13	Characterization of Biopolymer Blend-based on Alginate and Poly (vinyl Alcohol) as an Application for Polymer Host in Polymer Electrolyte. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021, 1092, 012047.	0.6	7
14	Interrelation Between Ionic Conduction and Ions Fraction of Biopolymer Electrolytes Based on Alginate Doped With NH ₄ Cl. <i>Journal of Macromolecular Science - Physics</i> , 2021, 60, 631-646.	1.0	3
15	Enhancement on protonation (H ⁺) with incorporation of flexible ethylene carbonate in CMC/PVA/30Åwt % NH ₄ NO ₃ film. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 17231-17245.	7.1	17
16	Kinetic Modeling Characterization of Cellulose Modified Surface for Methylene Blue Removal from Aqueous Media. <i>Macromolecular Symposia</i> , 2021, 397, 2000239.	0.7	2
17	Development and Characterization of Cellulose Modified Surface with Allylthiourea as Functional Sites to Remove Basic Red 5 from Aqueous Solution. <i>Macromolecular Symposia</i> , 2021, 397, 2000238.	0.7	0
18	Effect of C ₃ H ₄ O ₃ on Band Gap Narrowing of Proton Conductive Hybrid Polymer Electrolyte. <i>Macromolecular Symposia</i> , 2021, 397, 2000237.	0.7	1

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19	Synthesis and Characterization of Cellulose Modified Surface to Remove Lead (II) from Aqueous Solution. <i>Macromolecular Symposia</i> , 2021, 397, 2000240.	0.7	0
20	Ionic Conductivity Study of Ethylene Carbonate as A Plasticizer in Alginate Bio-Based Polymer Electrolytes. <i>Macromolecular Symposia</i> , 2021, 397, 2000236.	0.7	1
21	Improvement of Electrical Properties of CMC-PVA Doped with Various Contents of LiNO ₃ as an Application for Hybrid Polymer Electrolytes. <i>Makara Journal of Technology</i> , 2021, 25, 55.	0.3	2
22	Studies on structural and ionic transport in biopolymer electrolytes based on alginate-LiBr. <i>Ionics</i> , 2020, 26, 1923-1938.	2.4	27
23	Studies on ionics conduction properties of modification CMC-PVA based polymer blend electrolytes via impedance approach. <i>Polymer Testing</i> , 2020, 81, 106234.	4.8	70
24	Study on the effect of lithium nitrate in ionic conduction properties based alginate biopolymer electrolytes. <i>Materials Research Express</i> , 2020, 7, 015902.	1.6	19
25	Enhancing proton conductivity of sodium alginate doped with glycolic acid in bio-based polymer electrolytes system. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	29
26	Enhancement of proton conduction in carboxymethyl cellulose-polyvinyl alcohol employing polyethylene glycol as a plasticizer. <i>Bulletin of Materials Science</i> , 2020, 43, 1.	1.7	9
27	Ionic transport studies of solid bio-polymer electrolytes based on carboxymethyl cellulose doped with ammonium acetate and its potential application as an electrical double layer capacitor. <i>EXPRESS Polymer Letters</i> , 2020, 14, 619-637.	2.1	24
28	Study on electrochemical properties of CMC-PVA doped NH ₄ Br based solid polymer electrolytes system as application for EDLC. <i>Journal of Polymer Research</i> , 2020, 27, 1.	2.4	32
29	Characterization of an amorphous materials hybrid polymer electrolyte based on a LiNO ₃ -doped, CMC-PVA blend for application in an electrical double layer capacitor. <i>Materials Chemistry and Physics</i> , 2020, 253, 123312.	4.0	31
30	Investigation on favourable ionic conduction based on CMC-K carrageenan proton conducting hybrid solid bio-polymer electrolytes for applications in EDLC. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 8727-8741.	7.1	45
31	Proton (H ⁺) transport properties of CMC-PVA blended polymer solid electrolyte doped with NH ₄ NO ₃ . <i>International Journal of Hydrogen Energy</i> , 2020, 45, 14880-14896.	7.1	38
32	Ionic Conductivity and Electrochemical Properties of Alginate-NH ₄ NO ₃ -Based Biopolymer Electrolytes for EDLC Application. <i>Makara Journal of Technology</i> , 2020, 24, 7.	0.3	2
33	Ethylene Carbonate and Polyethylene Glycol as Efficient Plasticizers in CMC-PVA-NH ₄ NO ₃ -Based Polymer Electrolyte. <i>Makara Journal of Technology</i> , 2020, 24, 13.	0.3	3
34	Ionic Conductivity of Alginate-NH ₄ Cl Polymer Electrolyte. <i>Makara Journal of Technology</i> , 2020, 24, 125.	0.3	4
35	Influence of Lithium Bromide on Electrical Properties in Bio-based Polymer Electrolytes. <i>Makara Journal of Technology</i> , 2020, 24, 106.	0.3	1
36	Enhancement on amorphous phase in solid biopolymer electrolyte based alginate doped NH ₄ NO ₃ . <i>Ionics</i> , 2019, 25, 641-654.	2.4	41

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37	Reducing crystallinity on thin film based CMC/PVA hybrid polymer for application as a host in polymer electrolytes. <i>Journal of Non-Crystalline Solids</i> , 2019, 511, 201-211.	3.1	139
38	An investigation on the abnormal trend of the conductivity properties of CMC/PVA-doped NH ₄ Cl-based solid biopolymer electrolyte system. <i>Ionics</i> , 2019, 25, 2657-2667.	2.4	59
39	Immittance Response on Carboxymethyl Cellulose Blend with Polyvinyl Alcohol- Doped Ammonium Bromide-Based Biopolymer Electrolyte. <i>Makara Journal of Technology</i> , 2019, 22, 167.	0.3	5
40	Transition Metal Dichalcogenide for High-Performance Electrode of Supercapacitor. <i>Makara Journal of Technology</i> , 2019, 22, 123.	0.3	3
41	Molecularly Conductive Behavior of Blended Polymer Electrolyte-based CMC/PVA. <i>Makara Journal of Technology</i> , 2019, 23, 27.	0.3	1
42	Electrical Properties of A Novel Solid Biopolymer Electrolyte based on Algi-nate Incorporated with Citric Acid. <i>Makara Journal of Technology</i> , 2019, 23, 48.	0.3	9
43	Electrical study on Carboxymethyl Cellulose-Polyvinyl alcohol based bio-polymer blend electrolytes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 342, 012045.	0.6	22
44	Effect on Ammonium Bromide in dielectric behavior based Alginate Solid Biopolymer electrolytes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 342, 012080.	0.6	22
45	Investigation on the effect of NH ₄ Br at transport properties in "carrageenan based biopolymer electrolytes via structural and electrical analysis. <i>Materials Today Communications</i> , 2018, 14, 199-209.	1.9	52
46	Characterization on conduction properties of carboxymethyl cellulose/kappa carrageenan blend-based polymer electrolyte system. <i>International Journal of Polymer Analysis and Characterization</i> , 2018, 23, 321-330.	1.9	18
47	Study on the effect of PEG in ionic transport for CMC-NH ₄ Br-based solid polymer electrolyte. <i>Ionics</i> , 2018, 24, 3039-3052.	2.4	24
48	Ionic transport properties of protonic conducting solid biopolymer electrolytes based on enhanced carboxymethyl cellulose - NH ₄ Br with glycerol. <i>Ionics</i> , 2018, 24, 1639-1650.	2.4	22
49	Electrical properties studies of solid polymer electrolytes membrane based on carboxymethyl cellulose (CMC)/kappa carrageenan blend. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
50	Irregularities trend in electrical conductivity of CMC/PVA-NH ₄ Cl based solid biopolymer electrolytes. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	8
51	Study on ionic conduction of solid bio-polymer hybrid electrolytes based carboxymethyl cellulose (CMC)/polyvinyl alcohol (PVA) doped NH ₄ NO ₃ . <i>AIP Conference Proceedings</i> , 2018, , .	0.4	8
52	Characterization on ionic conductivity of solid bio-polymer electrolytes system based alginate doped ammonium nitrate via impedance spectroscopy. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	3
53	Ionic conduction study of enhanced amorphous solid bio-polymer electrolytes based carboxymethyl cellulose doped NH ₄ Br. <i>Journal of Non-Crystalline Solids</i> , 2018, 497, 19-29.	3.1	37
54	An enhancement on electrical properties of carboxymethyl cellulose-NH ₄ Br based biopolymer electrolytes through impedance characterization. <i>International Journal of Polymer Analysis and Characterization</i> , 2017, 22, 447-454.	1.9	12

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55	Influence of Polyethylene Glycol (PEG) in CMC-NH ₄ Br Based Polymer Electrolytes: Conductivity and Electrical Study. Makara Journal of Technology, 2017, 21, 37.	0.3	6
56	A Study on Dielectric Properties of The Cellulose Derivative-NH ₄ Br-Glycerol- Based The Solid Polymer Electrolyte System. Makara Journal of Technology, 2017, 21, 65.	0.3	13
57	DEVELOPMENT OF LOW COST BLOCK MOLD FOR COPPER ALLOY CASTING. Jurnal Teknologi (Sciences and) Tj ET Og 1 1 0.784314 rg	0.4	10
58	CONDUCTIVITY STUDY ON PLASTICIZED SOLID BIO-ELECTROLYTES CMC-NH ₄ Br AND APPLICATION IN SOLID-STATE PROTON BATTERIES. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	4
59	Potential study of biopolymer-based carboxymethylcellulose electrolytes system for solid-state battery application. International Journal of Polymeric Materials and Polymeric Biomaterials, 2016, 65, 561-567.	3.4	22
60	Conduction Mechanism of Enhanced CMC-NH ₄ Br Biopolymer Electrolytes. Advanced Materials Research, 2015, 1108, 27-32.	0.3	6
61	Contribution of Methyl Substituent on the Conductivity Properties and Behaviour of CMC-Alkoxy Thiourea Polymer Electrolyte. Molecular Crystals and Liquid Crystals, 2014, 604, 126-141.	0.9	12
62	Study of the ionic conduction mechanism based on carboxymethyl cellulose biopolymer electrolytes. Journal of the Korean Physical Society, 2014, 65, 1441-1447.	0.7	11
63	Biopolymer Materials Based Carboxymethyl Cellulose as a Proton Conducting Biopolymer Electrolyte for Application in Rechargeable Proton Battery. Electrochimica Acta, 2014, 129, 1-13.	5.2	131
64	Synthesis and Characterization of Nitrobenzoylthiourea Derivatives as Potential Conductive Biodegradable Thin Films. Phosphorus, Sulfur and Silicon and the Related Elements, 2014, 189, 640-651.	1.6	5
65	Conductive biodegradable film of N-octyloxyphenyl-N ^ε -(4-methylbenzoyl)thiourea. Bulletin of Materials Science, 2014, 37, 357-369.	1.7	6
66	Natural Polymer Electrolyte System Based on Sago: Structural and Transport Behavior Characteristics. International Journal of Polymer Analysis and Characterization, 2012, 17, 600-607.	1.9	30
67	Structural and Electrical Properties of Carboxy Methylcellulose-Dodecyltrimethyl Ammonium Bromide-Based Biopolymer Electrolytes System. International Journal of Polymeric Materials and Polymeric Biomaterials, 2012, 61, 30-40.	3.4	47
68	Characterization on the potential of carboxy methylcellulose for application as proton conducting biopolymer electrolytes. Journal of Non-Crystalline Solids, 2012, 358, 1104-1112.	3.1	156
69	Characterization of carboxy methylcellulose doped with DTAB as new types of biopolymer electrolytes. Bulletin of Materials Science, 2012, 35, 1123-1131.	1.7	48
70	Structural and Ionic Transport Study on CMC Doped NH ₄ Br: A New Types of Biopolymer Electrolytes. Journal of Applied Sciences, 2012, 12, 174-179.	0.3	66
71	Investigation of the Potential of Proton-Conducting Biopolymer Electrolytes Based Methyl Cellulose-Glycolic Acid. International Journal of Polymer Analysis and Characterization, 2011, 16, 477-485.	1.9	57
72	Ionic Conduction Behavior of CMC Based Green Polymer Electrolytes. Advanced Materials Research, 0, 802, 194-198.	0.3	9

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73	Conductivity and Transport Properties Study of Plasticized Carboxymethyl Cellulose (CMC) Based Solid Biopolymer Electrolytes (SBE). <i>Advanced Materials Research</i> , 0, 856, 118-122.	0.3	21
74	Investigation of a Biodegradable Polymer Electrolytes Based on Carboxy Methylcellulose and its Potential Application in Solid-State Batteries. <i>Advanced Materials Research</i> , 0, 802, 99-103.	0.3	4
75	Synthesis and Electrochemical Properties of Ternary Co-, Cu- and Ni- Based Metal-Organic Frameworks Electrode for Battery Supercapacitor Hybrid Application. <i>Materials Science Forum</i> , 0, 981, 17-22.	0.3	5
76	Conduction Properties Study on Alginate Incorporated with Glycolic Acid Based Solid Biopolymer Electrolytes. <i>Materials Science Forum</i> , 0, 981, 34-39.	0.3	6
77	Effect of Intermolecular Interaction on Ionic Conductivity of CMC-DTAB Plasticized with Ec Based Solid Biopolymer Electrolyte. <i>Materials Science Forum</i> , 0, 1025, 26-31.	0.3	0
78	Study on Electrical Conduction Properties of Plasticized CMC-DTAB Based Solid Biopolymer Electrolytes. <i>Materials Science Forum</i> , 0, 1025, 15-19.	0.3	1
79	Studies on the effect of H ⁺ carrier toward ionic conduction properties in alginate-ammonium sulfate complexes based polymer electrolytes system. <i>High Performance Polymers</i> , 0, , 095400832210753.	1.8	1