

I Made Arcana

List of Publications by Year in descending order

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papers

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759055

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#	ARTICLE	IF	CITATIONS
1	Nanocellulose prepared by acid hydrolysis of isolated cellulose from sugarcane bagasse. IOP Conference Series: Materials Science and Engineering, 2016, 107, 012045.	0.3	174
2	Mechanical strength and ionic conductivity of polymer electrolyte membranes prepared from cellulose acetate-lithium perchlorate. IOP Conference Series: Materials Science and Engineering, 2017, 223, 012052.	0.3	53
3	Study on Properties of Polymer Blends from Polypropylene with Polycaprolactone and Their Biodegradability. Polymer Journal, 2007, 39, 1337-1344.	1.3	34
4	Isolation of Cellulose Nanocrystals from Bacterial Cellulose Produced from Pineapple Peel Waste Juice as Culture Medium. Procedia Chemistry, 2015, 16, 279-284.	0.7	33
5	Cellulose Nanofibers Preparation from Cassava Peels via Mechanical Disruption. Fibers, 2019, 7, 44.	1.8	32
6	Preparation and Characterization of Biopolymer Electrolyte Membranes Based on LiClO ₄ -Complexed Methyl Cellulose as Lithium-ion Battery Separator. Journal of Engineering and Technological Sciences, 2020, 52, 28-50.	0.3	31
7	Structure and morphology of poly(γ -hydroxybutyrate) synthesized by ring-opening polymerization of racemic (R,S)- γ -butyrolactone with distannoxane derivatives. Polymer International, 2000, 49, 1348-1355.	1.6	25
8	PEO/PVA/LiOH Solid Polymer Electrolyte Prepared via Ultrasound-assisted Solution Cast Method. Journal of Non-Crystalline Solids, 2021, 556, 120549.	1.5	24
9	Preparation and Characterization of Cellulose and Nanocellulose from Agro-industrial Waste - Cassava Peel. IOP Conference Series: Materials Science and Engineering, 2017, 176, 012052.	0.3	21
10	Synthesis of polyblends from polypropylene and poly(R,S)- γ -hydroxybutyrate, and their characterization. Polymer International, 2006, 55, 435-440.	1.6	19
11	Ring-opening copolymerization of racemic γ -butyrolactone with γ -caprolactone and γ -valerolactone by distannoxane derivative catalysts: study of the enzymatic degradation in aerobic media of obtained copolymers. Polymer International, 2002, 51, 859-866.	1.6	18
12	Green simple microwave-assisted extraction (MAE) of cellulose from Theobroma cacao L. (TCL) husk. IOP Conference Series: Materials Science and Engineering, 2019, 541, 012017.	0.3	14
13	Preparation and characterization of biopolymer blend electrolyte membranes based on derived celluloses for lithium-ion batteries separator. Bulletin of Materials Science, 2021, 44, 1.	0.8	12
14	Green Synthesis of [EMIm]Ac Ionic Liquid for Plasticizing MC-based Biopolymer Electrolyte Membranes. Bulletin of Chemical Reaction Engineering and Catalysis, 2019, 14, 345-357.	0.5	12
15	Properties of Bacterial Cellulose and Its Nanocrystalline Obtained from Pineapple Peel Waste Juice. Fibers and Polymers, 2021, 22, 1228-1236.	1.1	10
16	Study on Properties of Poly(urethane-ester) Synthesized from Prepolymers of μ -Caprolactone and 2,2-Dimethyl-1,3-Propanediol Monomers and Their Biodegradability. Journal of Polymers and the Environment, 2010, 18, 188-195.	2.4	9
17	Insights into the intermolecular interactions and temperature-concentration dependence of transport in ionic liquid-based EMI ⁺ TFSI/LiTFSI electrolytes. New Journal of Chemistry, 2022, 46, 3966-3977.	1.4	9
18	The influence of nano-silica on properties of sulfonated polystyrene-sulfonate membranes as proton exchange membranes for direct methanol fuel cell application. Advances in Polymer Technology, 2018, 37, 1859-1867.	0.8	8

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19	Properties of Polymer Electrolyte Membranes Prepared by Blending Sulfonated Polystyrene with Lignosulfonate. ITB Journal of Science, 2012, 44, 285-295.	0.1	8
20	The Influences of [EMIm]Ac Ionic Liquid for the Characteristics of Li-ion Batteries' Solid Biopolymer Blend Electrolyte Based on Cellulose Derivatives of MC/CMC Blend. Macromolecular Chemistry and Physics, 2022, 223, .	1.1	7
21	Poly(urethane-urea) Synthesized from 9-ethoxy-1,10-octadecanediol Obtained by Modification of Palm Oil Oleic Acid. Journal of Mathematical and Fundamental Sciences, 2018, 50, 13-27.	0.3	6
22	Solid polymer electrolyte from phosphorylated chitosan. , 2014, , .		5
23	Structure and Properties of Polymers Prepared by Polymerization of 2,2-Dimethyl-1,3-Propanediol and ϵ -Caprolactone Monomer. ITB Journal of Science, 2009, 41, 78-87.	0.1	5
24	The effect of the soft segment of prepolymers on properties of poly(urethane-ester) and its biodegradability. Polymer International, 2011, 60, 1535-1540.	1.6	4
25	Synthesis and Characterization of Solid Polymer Electrolyte from γ -Succinyl Chitosan and Lithium Perchlorate. Advanced Materials Research, 0, 896, 58-61.	0.3	4
26	Polyblends of Poly(vinyl alcohol) and Poly(ϵ -caprolactone) and Their Properties. AIP Conference Proceedings, 2008, , .	0.3	3
27	Synthesis of cobalt stearate as oxidant additive for oxo-biodegradable polyethylene. AIP Conference Proceedings, 2015, , .	0.3	3
28	Synthesis of manganese stearate for high density polyethylene (HDPE) and its biodegradation. AIP Conference Proceedings, 2015, , .	0.3	3
29	Synthesis and characterization of ionic liquid (EMImBF ₄)/Li ⁺ - chitosan membranes for ion battery. AIP Conference Proceedings, 2015, , .	0.3	3
30	The Influence of Succinyl Groups and Lithium Perchlorate on Chitosan Membranes as Electrolyte Polymers. Macromolecular Symposia, 2015, 353, 185-190.	0.4	3
31	Membranes de pervaporation en polyval ϵ -rolactone et polycaprolactone test ϵ es pour la d ϵ shydratation de l' ϵ thanol. European Polymer Journal, 1998, 34, 45-50.	2.6	2
32	Preparation of polymers electrolyte membranes from Styrofoam waste for lithium battery. , 2013, , .		2
33	Preparation of Polymers Electrolyte Membranes for Lithium Battery from Styrofoam Waste. Advanced Materials Research, 2014, 875-877, 1529-1533.	0.3	2
34	Preparation of nanocrystalline cellulose from corncob used as reinforcement in separator for lithium ion battery. , 2015, , .		2
35	Polymer electrolyte membranes prepared by blending of poly(vinyl alcohol)-poly(ethylene oxide) for lithium battery application. , 2015, , .		2
36	Improving Conductivity Performance of Chitosan by Carboxymethylation Reaction: Synthesis and Characterization. Materials Science Forum, 0, 936, 121-125.	0.3	2

#	ARTICLE	IF	CITATIONS
37	Thermal Stability and Morphology Analysis of Polymer Electrolyte Membranes Prepared from Cellulose Acetate-LiClO ₄ . Key Engineering Materials, 0, 811, 120-125.	0.4	2
38	Energy return factor analysis of lithium polymer battery during charge/discharge cycles. , 2013, , .		1
39	Synthesis of polymer electrolyte membranes from cellulose acetate/poly(ethylene oxide)/LiClO ₄ for lithium ion battery application. AIP Conference Proceedings, 2015, , .	0.3	1
40	Thermal degradation of High-Density Polyethylene Containing Cobalt Stearat as Oxidant Additive. IOP Conference Series: Earth and Environmental Science, 2019, 353, 012036.	0.2	1
41	Synthesis and analysis of chitosan-lithium battery cell in various charge/discharge currents. , 2014, , .		0
42	Incorporation of network in synthesis of zircon-imprinted polymer and its effect on zircon ion extraction. , 2014, , .		0
43	Biodegradation test of SPS-LS blends as polymer electrolyte membrane fuel cells. , 2014, , .		0
44	The Effect of Manganese Palmitate as Pro-Oxidant Additive on Mechanical Properties of Polypropylene. IOP Conference Series: Materials Science and Engineering, 2019, 622, 012020.	0.3	0