

ChiamWen Liew

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.

36
papers

1,677
citations

23
h-index

36
g-index

36
ext. papers

1,942
ext. citations

3.7
avg, IF

5.21
L-index

#	Paper	IF	Citations
36	Development of poly(vinyl alcohol) (PVA)-based sodium ion conductors for electric double-layer capacitors application. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2021 , 263, 114804	3.1	7
35	Electrical, thermal, and structural studies on highly conducting additive-free biopolymer electrolytes for electric double-layer capacitor application. <i>Ionics</i> , 2019 , 25, 4861-4874	2.7	13
34	Solid polymer electrolytes based on poly(vinyl alcohol) incorporated with sodium salt and ionic liquid for electrical double layer capacitor. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019 , 251, 114468	3.1	33
33	Enhancing the performance of green solid-state electric double-layer capacitor incorporated with fumed silica nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2018 , 117, 194-203	3.9	44
32	Effect of halide anions in ionic liquid added poly(vinyl alcohol)-based ion conductors for electrical double layer capacitors. <i>Journal of Non-Crystalline Solids</i> , 2017 , 458, 97-106	3.9	19
31	Effect of ionic liquid 1-butyl-3-methylimidazolium bromide on ionic conductivity of poly(ethyl methacrylate) based polymer electrolytes. <i>Materials Express</i> , 2016 , 6, 252-258	1.3	8
30	Preparation and performance analysis of barium titanate incorporated in corn starch-based polymer electrolytes for electric double layer capacitor application. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	14
29	Enhanced capacitance of EDLCs (electrical double layer capacitors) based on ionic liquid-added polymer electrolytes. <i>Energy</i> , 2016 , 109, 546-556	7.9	77
28	Ionic liquid enhanced magnesium-based polymer electrolytes for electrical double-layer capacitors. <i>Ionics</i> , 2016 , 22, 919-925	2.7	27
27	Effects of ionic liquid on the hydroxylpropylmethyl cellulose (HPMC) solid polymer electrolyte. <i>Ionics</i> , 2016 , 22, 2421-2430	2.7	20
26	Electric double-layer capacitors with corn starch-based biopolymer electrolytes incorporating silica as filler. <i>Ionics</i> , 2015 , 21, 2061-2068	2.7	47
25	Electrical, structural, thermal and electrochemical properties of corn starch-based biopolymer electrolytes. <i>Carbohydrate Polymers</i> , 2015 , 124, 222-8	10.3	87
24	Electrical and structural studies of ionic liquid-based poly(vinyl alcohol) proton conductors. <i>Journal of Non-Crystalline Solids</i> , 2015 , 425, 163-172	3.9	18
23	Characterization of ionic liquid added poly(vinyl alcohol)-based proton conducting polymer electrolytes and electrochemical studies on the supercapacitors. <i>International Journal of Hydrogen Energy</i> , 2015 , 40, 852-862	6.7	92
22	Electrical, structural, and thermal studies of antimony trioxide-doped poly(acrylic acid)-based composite polymer electrolytes. <i>Ionics</i> , 2014 , 20, 665-674	2.7	52
21	A novel approach on ionic liquid-based poly(vinyl alcohol) proton conductive polymer electrolytes for fuel cell applications. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 2917-2928	6.7	77
20	Good prospect of ionic liquid based-poly(vinyl alcohol) polymer electrolytes for supercapacitors with excellent electrical, electrochemical and thermal properties. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 2953-2963	6.7	138

19	Electric double layer capacitor based on activated carbon electrode and biodegradable composite polymer electrolyte. <i>Ionics</i> , 2014 , 20, 251-258	2.7	48
18	Capacitive behavior studies on electrical double layer capacitor using poly (vinyl alcohol)lithium perchlorate based polymer electrolyte incorporated with TiO ₂ . <i>Materials Chemistry and Physics</i> , 2014 , 143, 661-667	4.4	97
17	Comparing Triflate and Hexafluorophosphate Anions of Ionic Liquids in Polymer Electrolytes for Supercapacitor Applications. <i>Materials</i> , 2014 , 7, 4019-4033	3.5	47
16	Poly(E-caprolactone)-based polymer electrolyte for electrical double-layer capacitors. <i>High Performance Polymers</i> , 2014 , 26, 637-640	1.6	35
15	Investigation of ionic liquid-based poly(vinyl alcohol) proton conductor for electrochemical double-layer capacitor. <i>High Performance Polymers</i> , 2014 , 26, 632-636	1.6	20
14	Rheological studies of PMMA-PVC based polymer blend electrolytes with LiTFSI as doping salt. <i>PLoS ONE</i> , 2014 , 9, e102815	3.7	29
13	Ionic conductivity, dielectric behavior, and HATR-FTIR analysis onto poly(methyl methacrylate)poly(vinyl chloride) binary solid polymer blend electrolytes. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 2380-2388	2.9	18
12	Development and investigation on PMMA-PVC blend-based solid polymer electrolytes with LiTFSI as dopant salt. <i>Polymer Bulletin</i> , 2013 , 70, 1277-1288	2.4	14
11	Studies on ionic liquid-based corn starch biopolymer electrolytes coupling with high ionic transport number. <i>Cellulose</i> , 2013 , 20, 3227-3237	5.5	38
10	Exploration on nano-composite fumed silica-based composite polymer electrolytes with doping of ionic liquid. <i>Journal of Non-Crystalline Solids</i> , 2012 , 358, 931-940	3.9	33
9	Tailor-made fumed silica-based nano-composite polymer electrolytes consisting of BmImTFSI ionic liquid. <i>Iranian Polymer Journal (English Edition)</i> , 2012 , 21, 273-281	2.3	10
8	Preparation and characterization of lithium ion conducting ionic liquid-based biodegradable corn starch polymer electrolytes. <i>Journal of Solid State Electrochemistry</i> , 2012 , 16, 1869-1875	2.6	63
7	Rheological characterizations of ionic liquid-based gel polymer electrolytes and fumed silica-based composite polymer electrolytes. <i>Ceramics International</i> , 2012 , 38, 3411-3417	5.1	15
6	Impact of low viscosity ionic liquid on PMMA-PVC-LiTFSI polymer electrolytes based on AC-impedance, dielectric behavior, and HATR-FTIR characteristics. <i>Journal of Materials Research</i> , 2012 , 27, 2996-3004	2.5	44
5	Evaluation and investigation on the effect of ionic liquid onto PMMA-PVC gel polymer blend electrolytes. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2132-2138	3.9	101
4	Ion conducting corn starch biopolymer electrolytes doped with ionic liquid 1-butyl-3-methylimidazolium hexafluorophosphate. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 3654-3660	3.9	124
3	Effect of dibutyl phthalate as plasticizer on high-molecular weight poly(vinyl chloride)lithium tetraborate-based solid polymer electrolytes. <i>Ionics</i> , 2011 , 17, 705-713	2.7	20
2	Investigation on the effects of addition of SiO ₂ nanoparticles on ionic conductivity, FTIR, and thermal properties of nanocomposite PMMA-litCF ₃ SO ₃ BiO ₂ . <i>Ionics</i> , 2010 , 16, 255-262	2.7	67

- 1 Effect of PVC on ionic conductivity, crystallographic structural, morphological and thermal characterizations in PMMA/PVC blend-based polymer electrolytes. *Thermochimica Acta*, **2010**, 511, 140-146²⁹ 81