

# Ionic Liquidâ€™Polymer Composites: A New Platform for

Advanced Functional Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Improved mechanical and dielectric properties of PLA/EMA-GMA nanocomposites based on ionic liquids and MWCNTs. <i>Composites Science and Technology</i> , 2020, 200, 108347.	3.8	17
2	Magnetic and high-dielectric-constant nanoparticle polymer tri-composites for sensor applications. <i>Journal of Materials Science</i> , 2020, 55, 16234-16246.	1.7	10
3	Stretchable, Phase-Transformable Ionogels with Reversible Ionic Conductor-Insulator Transition. <i>Advanced Functional Materials</i> , 2020, 30, 2005079.	7.8	37
4	Design of Ionic-Liquid-Based Hybrid Polymer Materials with a Magnetoactive and Electroactive Multifunctional Response. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 42089-42098.	4.0	14
5	Effect of the different crystallinity of ionic liquid based solid polymer electrolyte on the performance of amperometric gas sensor. , 2020, , .		0
6	The effect of thermal treatment on ac/dc conductivity and current fluctuations of PVDF/NMP/[EMIM][TFSI] solid polymer electrolyte. <i>Scientific Reports</i> , 2020, 10, 21140.	1.6	16
7	Cellulose Nanocrystal and Water-Soluble Cellulose Derivative Based Electromechanical Bending Actuators. <i>Materials</i> , 2020, 13, 2294.	1.3	16
8	Development of Poly(l-Lactic Acid)-Based Bending Actuators. <i>Polymers</i> , 2020, 12, 1187.	2.0	7
9	Preparation and Morphology Control of Poly(ionic liquid) Particles. <i>Langmuir</i> , 2020, 36, 8668-8679.	1.6	13
10	One-step multiple-site integration strategy for CO <sub>2</sub> capture and conversion into cyclic carbonates under atmospheric and cocatalyst/metal/solvent-free conditions. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119620.	10.8	67
11	A self-powered skin-patch electrochromic biosensor. <i>Biosensors and Bioelectronics</i> , 2021, 175, 112879.	5.3	42
12	A review of proton exchange membranes based on protic ionic liquid/polymer blends for polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2021, 484, 229197.	4.0	117
13	Hydrophobic ionic liquid-in-polymer composites for ultrafast, linear response and highly sensitive humidity sensing. <i>Nano Research</i> , 2021, 14, 1202-1209.	5.8	23
14	Multifunctional Polymer Matrix Composites. , 2021, , 937-946.		2
15	Magnetic materials: a journey from finding north to an exciting printed future. <i>Materials Horizons</i> , 2021, 8, 2654-2684.	6.4	28
16	Polymer solubility in ionic liquids: dominated by hydrogen bonding. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 21893-21900.	1.3	21
17	3D Printable, Highly Stretchable, Superior Stable Ionogels Based on Poly(ionic liquid) with Hyperbranched Polymers as Macro-cross-linkers for High-Performance Strain Sensors. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 5614-5624.	4.0	76
18	Molecular Dynamics Simulations of Ion-Containing Polymers Using Generic Coarse-Grained Models. <i>Macromolecules</i> , 2021, 54, 2031-2052.	2.2	45

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19	A Mechanically Robust and Versatile Liquid-Free Ionic Conductive Elastomer. <i>Advanced Materials</i> , 2021, 33, e2006111.	11.1	188
20	All printed soft actuators based on ionic liquid/polymer hybrid materials. <i>Applied Materials Today</i> , 2021, 22, 100928.	2.3	16
21	Electronic properties of PVP-ionic liquid composite: spectroscopic and DFT-based thermochemical studies on the effect of anions. <i>Iranian Polymer Journal (English Edition)</i> , 2021, 30, 505-512.	1.3	4
22	Thermodynamic properties and intermolecular interactions of ionic liquids [DEME][BF <sub>4</sub> ] or [DEME][TFSI] and their binary mixture systems with GBL. <i>Journal of Molecular Liquids</i> , 2021, 328, 115373.	2.3	14
23	Composite electrolytes based on electrospun PVDF and ionic plastic crystal matrices for Na-metal battery applications. <i>JPhys Materials</i> , 2021, 4, 034003.	1.8	9
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25	Photocurable temperature activated humidity hybrid sensing materials for multifunctional coatings. <i>Polymer</i> , 2021, 221, 123635.	1.8	3
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27	Ultrasound-assisted aqua-mediated synthesis of multi-substituted tetrahydropyridine-3-carboxylates using N-carboxymethyl-3-pyridinium hydrogensulfate ([N-CH <sub>2</sub> CO <sub>2</sub> H-3-pic]+HSO <sub>4</sub> <sup>âˆ’</sup> ) as a new efficient ionic liquid catalyst. <i>SN Applied Sciences</i> , 2021, 3, 1.	1.5	4
28	Comparative Assessment of Ionic Liquid-Based Soft Actuators Prepared by Film Casting Versus Direct Ink Writing. <i>Advanced Engineering Materials</i> , 2021, 23, 2100411.	1.6	9
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33	Super selective ammonia separation through multiple-site interaction with ionic liquid-based hybrid membranes. <i>Journal of Membrane Science</i> , 2021, 628, 119264.	4.1	31
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35	Recent Advances in Carbon Material-Based Multifunctional Sensors and Their Applications in Electronic Skin Systems. <i>Advanced Functional Materials</i> , 2021, 31, 2104288.	7.8	116
36	Ionic Liquid-Based Quartz Crystal Microbalance Sensors for Organic Vapors: A Tutorial Review. <i>Chemosensors</i> , 2021, 9, 194.	1.8	5

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37	Graphdiyne and Ionic Liquid Composite Modified Gold Electrode for Sensitive Voltammetric Analysis of Rutin. <i>Electroanalysis</i> , 2022, 34, 286-293.	1.5	16
38	Surface Analyses of PVDF/NMP/[EMIM][TFSI] Solid Polymer Electrolyte. <i>Polymers</i> , 2021, 13, 2678.	2.0	17
39	Porous Ion Gel: A Versatile Ionotronic Sensory Platform for High-Performance, Wearable Ionoskins with Electrical and Optical Dual Output. <i>ACS Nano</i> , 2021, 15, 15132-15141.	7.3	48
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48	Influence of cellulose nanocrystal surface functionalization on the bending response of cellulose nanocrystal/ionic liquid soft actuators. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 6710-6716.	1.3	3
49	Engineering Aspect of Ionic Liquids: Analysis of Reaction Kinetics and Multiphase Reactors. , 2021, , 1-24.		0
50	Ionic liquid-modified materials as polymer electrolyte membrane and electrocatalyst in fuel cell application: An update. <i>International Journal of Energy Research</i> , 2022, 46, 2166-2211.	2.2	10
51	Ionic liquids for advanced materials. <i>Materials Today Nano</i> , 2022, 17, 100159.	2.3	69
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59	Conformal 3D printing of a polymeric tactile sensor. <i>Additive Manufacturing Letters</i> , 2022, 2, 100027.	0.9	8
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70	Ionic liquid modified electroactive polymer-based microenvironments for tissue engineering. <i>Polymer</i> , 2022, 246, 124731.	1.8	4
71	Multifunctional Touch Sensing and Antibacterial Polymer-Based Core-Shell Metallic Nanowire Composites for High Traffic Surfaces. <i>Advanced Materials Technologies</i> , 2022, 7, .	3.0	4
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75	Adjustable hydro-thermochromic green nanofoams and films obtained from shapable hybrids of cellulose nanofibrils and ionic liquids for smart packaging. <i>Chemical Engineering Journal</i> , 2022, 443, 136369.	6.6	7
76	Poly(lactic-co-glycolide) based biodegradable electrically and magnetically active microenvironments for tissue regeneration applications. <i>European Polymer Journal</i> , 2022, , 111197.	2.6	2
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78	Cutting-Edge Progress in Stimuli-Responsive Bioadhesives: From Synthesis to Clinical Applications. <i>Polymers</i> , 2022, 14, 1709.	2.0	7
79	Ionic Liquidâ€Based Redox Active Electrolytes for Supercapacitors. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	40
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97	3D printed solid-state composite electrodes and electrolytes for high-energy-density flexible microsupercapacitors. <i>Journal of Energy Storage</i> , 2022, 53, 105206.	3.9	3
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110	Effect of Imidazolium Nitrate Ionic Liquids on Conformational Changes of Poly( <i>N</i> -vinylcaprolactam). ACS Omega, 2022, 7, 39742-39749.	1.6	3
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140	FTIR studies on interactions among components in PVdF-HFP:PC:MPIL electrolytes. <i>IOP Conference Series: Earth and Environmental Science</i> , 2023, 1151, 012060.	0.2	1
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