

Kevin M Miller

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/150467/publications.pdf>

Version: 2024-02-01

30
papers

1,670
citations

516710

16
h-index

477307

29
g-index

30
all docs

30
docs citations

30
times ranked

2892
citing authors

#	ARTICLE	IF	CITATIONS
1	Michael addition reactions in macromolecular design for emerging technologies. <i>Progress in Polymer Science</i> , 2006, 31, 487-531.	24.7	928
2	Trapping lithium polysulfides of a Li ⁺ S battery by forming lithium bonds in a polymer matrix. <i>Energy and Environmental Science</i> , 2015, 8, 2389-2395.	30.8	194
3	Tailoring Charge Density and Hydrogen Bonding of Imidazolium Copolymers for Efficient Gene Delivery. <i>Biomacromolecules</i> , 2011, 12, 2243-2250.	5.4	70
4	Multiblock Copolymers for Recycling Polyethylene ² Poly(ethylene terephthalate) Mixed Waste. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9726-9735.	8.0	51
5	Correlating Structure with Thermal Properties for a Series of 1-Alkyl-4-methyl-1,2,4-triazolium Ionic Liquids. <i>Journal of Organic Chemistry</i> , 2013, 78, 4196-4201.	3.2	45
6	Marangoni Instability Driven Surface Relief Grating in an Azobenzene-Containing Polymer Film. <i>Macromolecules</i> , 2016, 49, 7069-7076.	4.8	39
7	Thermal, mechanical and conductive properties of imidazolium-containing thiol-ene poly(ionic liquid) networks. <i>Polymer</i> , 2016, 100, 1-9.	3.8	34
8	Synthesis and thermal analysis of crosslinked imidazolium-containing polyester networks prepared by Michael addition polymerization. <i>Polymer</i> , 2012, 53, 5666-5674.	3.8	27
9	Physicochemical and Thermal Properties for a Series of 1-Alkyl-4-methyl-1,2,4-triazolium Bis(trifluoromethylsulfonyl)imide Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9944-9951.	2.6	27
10	Novel Michael Addition Networks Containing Poly(propylene glycol) Telechelic Oligomers. <i>Macromolecular Chemistry and Physics</i> , 2006, 207, 1324-1333.	2.2	25
11	Thermomechanical and Conductive Properties of Thiol ² Ene Poly(ionic liquid) Networks Containing Backbone and Pendant Imidazolium Groups. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 16526-16536.	3.7	23
12	Crosslinked imidazolium-containing polyester networks containing a pendant imidazolium group: Swelling studies and thermal properties. <i>Polymer</i> , 2014, 55, 3320-3329.	3.8	22
13	The effect of counteranion on the physicochemical and thermal properties of 4-methyl-1-propyl-1,2,4-triazolium ionic liquids. <i>Journal of Molecular Liquids</i> , 2015, 210, 286-292.	4.9	21
14	Michael Addition Reaction Kinetics of Acetoacetates and Acrylates for the Formation of Polymeric Networks. <i>Progress in Reaction Kinetics and Mechanism</i> , 2007, 32, 165-194.	2.1	19
15	Covalently Crosslinked 1,2,3-Triazolium-Containing Polyester Networks: Thermal, Mechanical, and Conductive Properties. <i>ACS Omega</i> , 2018, 3, 13442-13453.	3.5	18
16	Novel michael addition networks containing urethane hydrogen bonding. <i>Journal of Polymer Science Part A</i> , 2007, 45, 4118-4128.	2.3	17
17	Covalently crosslinked 1,2,4-triazolium-containing polyester networks prepared by Michael addition polymerization. <i>Polymer</i> , 2015, 72, 1-9.	3.8	15
18	1-Alkyl-3-methyl-1,2,3-triazolium [NTf ₂] ionic liquids: synthesis and properties. <i>Tetrahedron Letters</i> , 2016, 57, 206-209.	1.4	12

#	ARTICLE	IF	CITATIONS
19	Influence of Anion and Crosslink Density on the Ionic Conductivity of 1,2,3-Triazolium-Based Poly(ionic Tj ETQq1,1 0.7843,14 rgB	2.2	12
20	Self-healing behaviour of furan-maleimide poly(ionic liquid) covalent adaptable networks. Polymer Chemistry, 2020, 11, 5321-5326.	3.9	12
21	1,3-Bis(2-hydroxyethyl)imidazolium ionic liquids: correlating structure and properties with anion hydrogen bonding ability. Journal of Physical Organic Chemistry, 2014, 27, 2-9.	1.9	11
22	Probing the dynamic and rehealing behavior of crosslinked polyester networks containing thermoreversible thiol-Michael bonds. Polymer, 2018, 145, 286-293.	3.8	11
23	Designing Ionic Liquid-Derived Polymer Composites from Poly(Ionic Liquid)-Ionene Semi-interpenetrating Networks. ACS Applied Polymer Materials, 2021, 3, 1995-2004.	4.4	9
24	Synthesis and Evaluation of Cellulose-Based, 1,2,3-Triazolium-Functionalized Polymerized Ionic Liquids: Thermal Transitions, Ionic Conductivities, and Morphological Properties. ACS Applied Polymer Materials, 2021, 3, 1097-1106.	4.4	8
25	Michael addition kinetics of ethyl acetoacetate and 2-ethylhexyl acrylate in ionic liquids. Tetrahedron Letters, 2012, 53, 1855-1858.	1.4	7
26	Influence of counteranion and humidity on the thermal, mechanical and conductive properties of covalently crosslinked ionenes. Polymer, 2021, 222, 123641.	3.8	5
27	Correlating structure with ionic conductivity in bis(phosphonium)-containing [NTf ₂] thiol-ene networks. Polymer International, 2019, 68, 1557-1565.	3.1	4
28	Analysis of Plastic-Derived Fuel Oil Produced from High- and Low-Density Polyethylene. Recycling, 2022, 7, 29.	5.0	3
29	Thiol-yne photoclick polymerization as a method for preparing imidazolium-containing ionene networks. Journal of Polymer Science, 2021, 59, 3009.	3.8	1
30	In Focus: Poly(ionic liquid)s in Polymer Science and Engineering at the Fall 2018 American Chemical Society National Meeting. Polymer International, 2019, 68, 1545-1546.	3.1	0