

Michal Bielejewski

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.

30
papers

433
citations

14
h-index

19
g-index

32
ext. papers

483
ext. citations

4
avg, IF

3.8
L-index

#	Paper	IF	Citations
30	Synthesis and characterization of triazole based nanocrystalline cellulose solid proton conductors. <i>European Polymer Journal</i> , 2021 , 161, 110825	5.2	0
29	NMR studies of molecular ordering and molecular dynamics in a chiral liquid crystal with the SmC _{Γ} phase. <i>Physical Review E</i> , 2020 , 101, 052708	2.4	5
28	Synthesis, thermal properties, conductivity and lifetime of proton conductors based on nanocrystalline cellulose surface-functionalized with triazole and imidazole. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 13365-13375	6.7	6
27	The kinetics of thermal processes in imidazole-doped nanocrystalline cellulose solid proton conductor. <i>Cellulose</i> , 2020 , 27, 1989-2001	5.5	6
26	Dynamics and Proton Transport in Imidazole-Doped Nanocrystalline Cellulose Revealed by High-Resolution Solid-State Nuclear Magnetic Resonance Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 18886-18893	3.8	1
25	Proton conductivity and proton dynamics in nanocrystalline cellulose functionalized with imidazole. <i>Carbohydrate Polymers</i> , 2019 , 225, 115196	10.3	14
24	NMR relaxometry study of gelatin based low-calorie soft candies. <i>Molecular Physics</i> , 2019 , 117, 1034-1045	5.7	11
23	The gelation influence on diffusion and conductivity enhancement effect in renewable ionic gels based on a LMWG. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 5803-5817	3.6	12
22	Effect of self-assembly aggregation on physical properties of non-aqueous ionogels based on LMWG. <i>Journal of Sol-Gel Science and Technology</i> , 2018 , 88, 671-683	2.3	4
21	Influence of cellulose gel matrix on BMIMCl ionic liquid dynamics and conductivity. <i>Cellulose</i> , 2017 , 24, 1641-1655	5.5	23
20	Molecular interactions in high conductive gel electrolytes based on low molecular weight gelator. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 279-286	9.3	9
19	Thermally reversible solidification of novel ionic liquid [im]HSO ₄ by self-nucleated rapid crystallization: investigations of ionic conductivity, thermal properties, and catalytic activity. <i>RSC Advances</i> , 2016 , 6, 108896-108907	3.7	7
18	Effect of gel matrix confinement on the solvent dynamics in supramolecular gels. <i>Journal of Colloid and Interface Science</i> , 2016 , 472, 60-8	9.3	17
17	Ionic Conductivity and Thermal Properties of a Supramolecular Ionogel Made from a Sugar-Based Low Molecular Weight Gelator and a Quaternary Ammonium Salt Electrolyte Solution. <i>Journal of the Electrochemical Society</i> , 2016 , 163, G187-G195	3.9	9
16	Novel approach in determination of ionic conductivity and phase transition temperatures in gel electrolytes based on Low Molecular Weight Gelators. <i>Electrochimica Acta</i> , 2015 , 174, 1141-1148	6.7	7
15	Thermal Properties, Conductivity, and Spin-lattice Relaxation of Gel Electrolyte Based on Low Molecular Weight Gelator and Solution of High Temperature Ionic Liquid. <i>Electrochimica Acta</i> , 2015 , 165, 122-129	6.7	14
14	The solvent dynamics at pore surfaces in molecular gels studied by field-cycling magnetic resonance relaxometry. <i>Soft Matter</i> , 2014 , 10, 7810-8	3.6	17

13	The solvent-gelator interaction as the origin of different diffusivity behavior of diols in gels formed with sugar-based low-molecular-mass gelator. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 4005-15	3.4	15
12	On electrophoretic NMR. Exploring high conductivity samples. <i>Journal of Magnetic Resonance</i> , 2014 , 243, 17-24	3	21
11	Novel supramolecular organogels based on a hydrazide derivative: non-polar solvent-assisted self-assembly, selective gelation properties, nanostructure, solvent dynamics. <i>Soft Matter</i> , 2013 , 9, 7501 ^{3.6}	3.6	23
10	On the relation between the solvent parameters and the physical properties of methyl-4,6-O-benzylidene- β -D-glucopyranoside organogels. <i>Tetrahedron</i> , 2012 , 68, 3803-3810	2.4	23
9	Influence of solvent on the thermal stability and organization of self-assembling fibrillar networks in methyl-4,6-O-(p-nitrobenzylidene)- β -D-glucopyranoside gels. <i>Tetrahedron</i> , 2011 , 67, 7222-7230	2.4	26
8	Interaction of chlorobenzene with gelator in methyl-4,6-O-(p-nitrobenzylidene)- β -D-glucopyranoside gel probed by proton fast field cycling NMR relaxometry. <i>Tetrahedron</i> , 2011 , 67, 8170-8176	2.4	12
7	Evidence of solvent-gelator interaction in sugar-based organogel studied by field-cycling NMR relaxometry. <i>Langmuir</i> , 2010 , 26, 17459-64	4	19
6	¹ H Spin Lattice Relaxation Study of Dynamical Inequivalence of Methyl Groups in Solid 1,2-O-(1-Ethylpropylidene)- β -D-Glucofuranose. <i>Applied Magnetic Resonance</i> , 2009 , 36, 61-68	0.8	3
5	Spin-lattice relaxation study of the methyl proton dynamics in solid 9,10-dimethyltritycene (DMT). <i>Solid State Nuclear Magnetic Resonance</i> , 2009 , 35, 194-200	3.1	11
4	Solvent effect on 1,2-O-(1-ethylpropylidene)- α -D-glucofuranose organogel properties. <i>Langmuir</i> , 2009 , 25, 8274-9	4	69
3	Thermal properties of the gel made by low molecular weight gelator 1,2-O-(1-ethylpropylidene)- α -D-glucofuranose with toluene and molecular dynamics of solvent. <i>Langmuir</i> , 2008 , 24, 534-40	4	28
2	1,2-O-(1-Ethylpropylidene)- β -D-glucofuranose, a low molecular mass organogelator: benzene gel formation and their thermal stabilities. <i>Tetrahedron Letters</i> , 2008 , 49, 6685-6689	2	14
1	Molecular Dynamics in a New Solid Glucofuranose-Based Low-Molecular-Weight Organogelator as Studied by ¹ H NMR. <i>Applied Magnetic Resonance</i> , 2008 , 33, 431-438	0.8	7