

Jadwiga Tritt-Goc

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.

96
papers

1,401
citations

20
h-index

30
g-index

99
ext. papers

1,537
ext. citations

3.5
avg, IF

4.58
L-index

#	Paper	IF	Citations
96	Synthesis and characterization of triazole based nanocrystalline cellulose solid proton conductors. <i>European Polymer Journal</i> , 2021 , 161, 110825	5.2	0
95	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
94	The kinetics of thermal processes in imidazole-doped nanocrystalline cellulose solid proton conductor. <i>Cellulose</i> , 2020 , 27, 1989-2001	5.5	6
93	Quantification of manganeous ions in wine by NMR relaxometry. <i>Talanta</i> , 2020 , 209, 120561	6.2	9
92	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
91	Cellulose microfibers surface treated with imidazole as new proton conductors. <i>Materials Chemistry and Physics</i> , 2020 , 239, 122056	4.4	12
90	Proton conductivity and proton dynamics in nanocrystalline cellulose functionalized with imidazole. <i>Carbohydrate Polymers</i> , 2019 , 225, 115196	10.3	14
89	NMR relaxometry study of gelatin based low-calorie soft candies. <i>Molecular Physics</i> , 2019 , 117, 1034-1045	7	11
88	Conservation process of archaeological waterlogged wood studied by spectroscopy and gradient NMR methods. <i>Wood Science and Technology</i> , 2019 , 53, 1207-1222	2.5	8
87	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
86	Imidazole-doped nanocrystalline cellulose solid proton conductor: synthesis, thermal properties, and conductivity. <i>Cellulose</i> , 2018 , 25, 281-291	5.5	31
85	Comparison of structural, thermal and proton conductivity properties of micro- and nanocelluloses. <i>Carbohydrate Polymers</i> , 2018 , 200, 536-542	10.3	25
84	Influence of cellulose gel matrix on BMIMCl ionic liquid dynamics and conductivity. <i>Cellulose</i> , 2017 , 24, 1641-1655	5.5	23
83	Imidazole-Doped Cellulose as Membrane for Fuel Cells: Structural and Dynamic Insights from Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 19574-19585	3.8	26
82	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
81	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
80	Effect of surface coating of microcrystalline cellulose by imidazole molecules on proton conductivity. <i>European Polymer Journal</i> , 2016 , 78, 186-194	5.2	15

79	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
78	Translational dynamics of ionic liquid imidazolium cations at solid/liquid interface in gel polymer electrolyte. <i>European Polymer Journal</i> , 2015 , 71, 210-220	5.2	28
77	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
76	Proton-conducting Microcrystalline Cellulose Doped with Imidazole. Thermal and Electrical Properties. <i>Electrochimica Acta</i> , 2015 , 155, 38-44	6.7	34
75	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
74	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
73	Novel application of NMR relaxometry in studies of diffusion in virgin rape oil. <i>Food Chemistry</i> , 2014 , 152, 94-9	8.5	18
72	Properties of PVDF-MCM41 Nanocomposites Studied by Dielectric, Raman and NMR Spectroscopy. <i>Ferroelectrics</i> , 2014 , 472, 64-76	0.6	4
71	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	23
70	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
69	Diffusive diffraction phenomenon observed by PGSE NMR technique in a sugar-based low-molecular-mass gel. <i>Langmuir</i> , 2012 , 28, 14039-44	4	9
68	Synthesis and characterization of a new proton-conducting material based on imidazole and selenic acid. <i>Solid State Ionics</i> , 2012 , 227, 96-101	3.3	9
67	Dynamic processes and chemical composition of <i>Lepidium sativum</i> seeds determined by means of field-cycling NMR relaxometry and NMR spectroscopy. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 3155-64	4.4	10
66	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
65	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
64	A possible application of magnetic resonance imaging for pharmaceutical research. <i>European Journal of Pharmaceutical Sciences</i> , 2011 , 42, 354-64	5.1	9
63	Morphology, molecular dynamics and electric conductivity of carbohydrate polymer films based on alginic acid and benzimidazole. <i>Carbohydrate Research</i> , 2011 , 346, 2718-26	2.9	7
62	Effect of microwave irradiation on the hydroxypropyl methylcellulose powder and its hydrogel studied by Magnetic Resonance Imaging. <i>Carbohydrate Polymers</i> , 2011 , 83, 166-170	10.3	6

61	Evidence of solvent-gelator interaction in sugar-based organogel studied by field-cycling NMR relaxometry. <i>Langmuir</i> , 2010 , 26, 17459-64	4	19
60	Spectroscopic and photopolymerization studies of benzyl methacrylate/poly(benzyl methacrylate) two-component system. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2010 , 48, 1336-1348	2.6	3
59	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
58	Characterization of low molecular-weight gelator methyl-4,6-O-(p-nitrobenzylidene)- β -D-glucopyranoside hydrogels and water diffusion in their networks. <i>Tetrahedron</i> , 2009 , 65, 9801-9806	2.4	24
57	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
56	The crystal structure and evidence of the phase transition in D-amphetamine sulfate, as studied by X-ray crystallography, DSC and NMR spectroscopy. <i>New Journal of Chemistry</i> , 2009 , 33, 1894	3.6	13
55	Solvent effect on 1,2-O-(1-ethylpropylidene)- α -D-glucofuranose organogel properties. <i>Langmuir</i> , 2009 , 25, 8274-9	4	69
54	The structural dynamics in the proton-conducting imidazolium oxalate. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 505101	1.8	8
53	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
52	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
51	Glass transition temperature and thermal decomposition of cellulose powder. <i>Cellulose</i> , 2008 , 15, 445-451	5.5	179
50	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
49	NMR Study of the Molecular Dynamics of D-Amphetamine Sulfate Salt Powder. <i>Applied Magnetic Resonance</i> , 2008 , 33, 439-446	0.8	
48	¹ H NMR Relaxation Studies of Proton-Conducting Imidazolium Salts of Dicarboxylic Acids. <i>Applied Magnetic Resonance</i> , 2008 , 34, 163-173	0.8	5
47	How we can interpret the T1 dispersion of MC, HPMC and HPC polymers above glass temperature?. <i>Solid State Nuclear Magnetic Resonance</i> , 2006 , 30, 192-7	3.1	11
46	The Molecular Origin of Nuclear Magnetic Relaxation in Methyl Cellulose and Hydroxypropylmethyl Cellulose. <i>Journal of Polymer Research</i> , 2006 , 13, 201-206	2.7	9
45	Magnetic resonance studies of cement based materials in inhomogeneous magnetic fields. <i>Cement and Concrete Research</i> , 2005 , 35, 2033-2040	10.3	31
44	Spatially resolved solvent interaction with glassy HPMC polymers studied by magnetic resonance microscopy. <i>Solid State Nuclear Magnetic Resonance</i> , 2005 , 28, 250-7	3.1	18

43	MRI study of Fickian, case II and anomalous diffusion of solvents into hydroxypropylmethylcellulose. <i>Applied Magnetic Resonance</i> , 2005 , 29, 605-615	0.8	11
42	Melting behavior of water confined in nanopores of white cement studied by ¹ H NMR cryoporometry: Effect of antifreeze additive and temperature. <i>Applied Magnetic Resonance</i> , 2005 , 29, 639-653	0.8	2
41	Dielectric Relaxation in Cellulose and its Derivatives. <i>Acta Physica Polonica A</i> , 2005 , 108, 137-145	0.6	34
40	Hydration of Hydroxypropylmethyl Cellulose: Effects of pH and Molecular Mass. <i>Acta Physica Polonica A</i> , 2005 , 108, 197-205	0.6	12
39	Gelation Process of Toluene-Based bis-Urea in Cyclohexane Studied with Magnetic Resonance Imaging. <i>Acta Physica Polonica A</i> , 2005 , 108, 81-87	0.6	1
38	¹ H NMR Cryoporometry Study of the Melting Behavior of Water in White Cement. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2004 , 59, 550-558	1.4	6
37	NMR study of molecular dynamics in selected hydrophilic polymers. <i>Solid State Nuclear Magnetic Resonance</i> , 2004 , 25, 42-6	3.1	5
36	The swelling properties of hydroxypropyl methyl cellulose loaded with tetracycline hydrochloride: magnetic resonance imaging study. <i>Solid State Nuclear Magnetic Resonance</i> , 2004 , 25, 35-41	3.1	27
35	The use of the MRI technique in the evaluation of water distribution in tumbled porcine muscle. <i>Meat Science</i> , 2004 , 67, 25-31	6.4	29
34	Magnetic resonance imaging study of the transport phenomena of solvent into the gel layer of hypromellose matrices containing tetracycline hydrochloride. <i>Journal of Pharmacy and Pharmacology</i> , 2003 , 55, 1487-93	4.8	12
33	Magnetic resonance imaging study of the swelling kinetics of hydroxypropylmethylcellulose (HPMC) in water. <i>Journal of Controlled Release</i> , 2002 , 80, 79-86	11.7	60
32	In situ, real time observation of the disintegration of paracetamol tablets in aqueous solution by magnetic resonance imaging. <i>European Journal of Pharmaceutical Sciences</i> , 2002 , 15, 341-6	5.1	15
31	The influence of the superplasticizer on the hydration and freezing processes in white cement studied by ¹ H spin-lattice relaxation time and single point imaging. <i>Cement and Concrete Research</i> , 2000 , 30, 931-936	10.3	24
30	The hardening of Portland cement observed by ¹ H spin-lattice relaxation and single-point imaging. <i>Applied Magnetic Resonance</i> , 2000 , 18, 155-164	0.8	13
29	Magnetic resonance microimaging of pore freezing in cement: Effect of corrosion inhibitor. <i>Journal of Applied Physics</i> , 2000 , 88, 7339-7345	2.5	8
28	Proton magnetic resonance microimaging of human trabecular bone. <i>Solid State Nuclear Magnetic Resonance</i> , 1999 , 15, 91-8	3.1	5
27	Molecular motions in solid (CH ₃) ₂ NH ₂ H ₂ PO ₄ studied by proton nuclear magnetic resonance. <i>Solid State Communications</i> , 1998 , 106, 367-371	1.6	7
26	Dynamics of a glycine molecule in a new ferroelectric glycine phosphite studied by proton NMR. <i>Solid State Communications</i> , 1998 , 108, 189-192	1.6	30

25	Molecular motion in solid $[(\text{CH}_3)_2\text{CHNH}_3]_2\text{BiBr}_5$ and $[(\text{CH}_3)_2\text{CHNH}_3]_2\text{SbBr}_5$ as studied by proton nuclear magnetic resonance. <i>Molecular Physics</i> , 1997 , 92, 687-692	1.7	1
24	A nuclear magnetic resonance study of molecular motion in solid tris (n-propylammonium) enneachlorodiantimonate (III) $(\text{n-C}_3\text{H}_7\text{NH}_3)_3\text{Sb}_2\text{Cl}_9$. <i>Solid State Nuclear Magnetic Resonance</i> , 1997 , 10, 73-8	3.1	4
23	EPR evidence of the paramagnetism of a long-living metastable excited state of a sodium nitroprusside single crystal. <i>Chemical Physics Letters</i> , 1997 , 268, 471-474	2.5	5
22	Molecular motions and phase transitions in solid tris(n-propylammonium) hexabromobismuthate (III). <i>Physica Status Solidi (B): Basic Research</i> , 1996 , 193, 341-346	1.3	14
21	The influence of the motion of water molecules on proton dipolar coupling tensors in $\text{Sr}[\text{Fe}(\text{CN})_5\text{NO}]\cdot 4\text{H}_2\text{O}$. <i>Molecular Physics</i> , 1996 , 87, 139-149	1.7	
20	Molecular motions in solid $[\text{N}(\text{CH}_3)_2\text{H}_2]_3\text{Sb}_2\text{I}_9$ studied by proton nuclear magnetic resonance spectroscopy. <i>Solid State Nuclear Magnetic Resonance</i> , 1995 , 4, 101-4	3.1	2
19	Nuclear magnetic resonance proton dynamics study of $[\text{N}(\text{CH}_3)_2\text{H}_2]_3\text{Bi}_2\text{I}_9$ at low temperature. <i>Solid State Nuclear Magnetic Resonance</i> , 1995 , 4, 323-5	3.1	1
18	Motion of the water molecules and phase transitions in $\text{Sr}[\text{Fe}(\text{CN})_5\text{NO}]\cdot 4\text{H}_2\text{O}$ studied by proton NMR. <i>Molecular Physics</i> , 1995 , 86, 193-200	1.7	1
17	Weak Inter- and Intralayer Exchange Coupling between Copper(II) Dimers and a Triplet Density Effect in EPR of Tris(ethylenediamine)cobalt(III) Bis(μ -chloro)bis[trichlorocuprate(II)] Dichloride Dihydrate. <i>Inorganic Chemistry</i> , 1995 , 34, 1852-1858	5.1	9
16	Proton dipolar coupling tensors in barium nitroprusside trihydrate. <i>Journal of Physics and Chemistry of Solids</i> , 1995 , 56, 935-942	3.9	7
15	Dynamics of water molecules in barium nitroprusside trihydrate studied at low temperature by proton NMR. <i>Molecular Physics</i> , 1994 , 83, 949-960	1.7	5
14	Molecular motions and phase transitions in solid bis-n-propylammonium pentabromoantimonate. <i>Solid State Nuclear Magnetic Resonance</i> , 1994 , 3, 293-7	3.1	10
13	Electron spin echo studies of spin-lattice and spin-spin relaxation of SeO_3^- radicals in $(\text{NH}_4)_3\text{H}(\text{SeO}_4)_2$ crystal. <i>Solid State Communications</i> , 1993 , 85, 585-587	1.6	17
12	Rotational Motion of the Ammonium Ions in $(\text{NH}_4)_3\text{H}(\text{SeO}_4)_2$ Studied by NMR. <i>Physica Status Solidi (B): Basic Research</i> , 1993 , 176, K13-K16	1.3	10
11	Proton NMR relaxation study of the motion of water molecules in hydrated nitroprussides. <i>Journal of Physics and Chemistry of Solids</i> , 1993 , 54, 123-126	3.9	7
10	Electron Spin Echo Envelope Modulation Analysis of SeO_3^- Radical in $(\text{NH}_4)_3\text{H}(\text{SeO}_4)_2$ Single Crystal. <i>Acta Physica Polonica A</i> , 1993 , 84, 1131-1141	0.6	1
9	Determination of dynamic parameters in amino acids from ^{17}O NMR line width measurements. <i>Magnetic Resonance in Chemistry</i> , 1991 , 29, 156-163	2.1	6
8	A Determination of the Dynamical Parameters in Amino Acids from Carboxylic- ^{17}O NMR Linewidths Measurements 1990 , 584-585		

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| 7 | 17O, 14N and 15N n.m.r. studies of the Co ²⁺ complexes of cyclo(Pro17O-Gly15N) and cyclo(Gly17O-Pro) in aqueous solution. <i>International Journal of Peptide and Protein Research</i> , 1989 , 34, 299-305 | 2 |
| 6 | 17O n.m.r. studies of amino acids in the solid state, in single- and polycrystalline forms. <i>International Journal of Peptide and Protein Research</i> , 1988 , 31, 130-6 | 19 |
| 5 | 17O and 14N n.m.r. studies of the Co (II) interaction with cyclo(Ala*-Ala) in aqueous solution. <i>International Journal of Peptide and Protein Research</i> , 1987 , 29, 406-14 | 1 |
| 4 | NMR study of flip motion of the water molecules in SNP. <i>Physica Status Solidi A</i> , 1987 , 100, K57-K59 | 4 |
| 3 | NMR chemical shift and asymmetric dipolar tensors of water protons in sodium nitroprusside (SNP). <i>Chemical Physics</i> , 1986 , 102, 133-140 | 2,3 16 |
| 2 | A study of H ₂ O lattice diffusion in sodium nitroprusside single crystal. <i>Physica Status Solidi A</i> , 1985 , 87, K41-K44 | 6 |
| 1 | N.m.r. study of molecular dynamics in chemically crosslinked polyethylene. <i>Polymer</i> , 1985 , 26, 557-560 | 3,9 2 |