

# Zbigniew Fojud

## List of Publications by Year in descending order

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42  
papers

574  
citations

687220

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h-index

677027

22  
g-index

42  
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42  
docs citations

42  
times ranked

688  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Structure of multicomponent SiO <sub>2</sub> -Al <sub>2</sub> O <sub>3</sub> -Fe <sub>2</sub> O <sub>3</sub> -CaO-MgO glasses for the preparation of fibrous insulating materials. <i>Journal of Molecular Structure</i> , 2005, 744-747, 615-619.       | 1.8 | 50        |
| 2  | Ferroelectric ordering in imidazolium perchlorate. <i>Journal of Chemical Physics</i> , 2006, 124, 144502.   | 1.2 | 50        |
| 3  | MAS NMR and FTIR spectra of framework aluminosilicates. <i>Journal of Molecular Structure</i> , 2002, 614, 281-287.  | 1.8 | 45        |
| 4  | ICP, IR, Raman, NMR investigations of beryls from pegmatites of the Sudety Mts. <i>Journal of Molecular Structure</i> , 2005, 744-747, 1005-1015.  | 1.8 | 42        |
| 5  | Spectroscopic studies of glassy phospho-silicate materials. <i>Journal of Molecular Structure</i> , 2005, 744-747, 621-626.  | 1.8 | 42        |
| 6  | Ferroelectric order in highly disordered molecular-ionic crystals. <i>Physical Review B</i> , 2004, 69, .  | 1.1 | 35        |
| 7  | Spectroscopic Studies of Poly( $\mu$ -Caprolactone)/Sodium Montmorillonite Nanocomposites. <i>Acta Physica Polonica A</i> , 2005, 108, 187-196.  | 0.2 | 26        |
| 8  | UV cross-linked polyvinylpyrrolidone electrospun fibres as antibacterial surfaces. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 979-991.  | 2.8 | 22        |
| 9  | Crystal structure, electric field gradient, and electronic charge densities in ReB <sub>2</sub> : A single crystal x-ray, B <sub>11</sub> nuclear magnetic resonance, and first-principles study. <i>Journal of Applied Physics</i> , 2009, 106, 033514. | 1.1 | 19        |
| 10 | Influence of Alkyl Chain Length on Thermal Properties, Structure, and Self-Diffusion Coefficients of Alkyltriethylammonium-Based Ionic Liquids. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5935.                                     | 1.8 | 18        |
| 11 | NMR strong off-resonance irradiation without sample overheating. <i>Solid State Nuclear Magnetic Resonance</i> , 2004, 25, 119-124.  | 1.5 | 17        |
| 12 | Electric-field-gradient tensor and boron site-resolved B <sub>11</sub> NMR in single-crystalline YB <sub>12</sub> . <i>Physical Review B</i> , 2007, 75, .   | 1.1 | 17        |
| 13 | Enhanced pharmacological efficacy of sumatriptan due to modification of its physicochemical properties by inclusion in selected cyclodextrins. <i>Scientific Reports</i> , 2018, 8, 16184.   | 1.6 | 15        |
| 14 | Electric-field-gradient tensor and charge densities in LaB <sub>6</sub> : B <sub>11</sub> nuclear-magnetic-resonance single-crystal investigations and first-principles calculations. <i>Journal of Applied Physics</i> , 2008, 103, 083534.             | 1.1 | 13        |
| 15 | Structure of an inclusive compound of bis(piperidinium-4-carboxylate)hydrogen semi-tartrate with water and methanol studied by X-ray diffraction, NMR, FTIR and DFT methods. <i>Journal of Molecular Structure</i> , 2009, 928, 99-107.                  | 1.8 | 12        |
| 16 | Polarization and energy barriers in ferroelectric pyridinium tetrafluoroborate. <i>Molecular Physics</i> , 2003, 101, 1469-1476.   | 0.8 | 11        |
| 17 | Molecular dynamics of n-dodecylammonium chloride in aqueous solutions investigated by <sup>2</sup> H NMR and <sup>1</sup> H NMR relaxometry. <i>Solid State Nuclear Magnetic Resonance</i> , 2004, 25, 200-206.  | 1.5 | 11        |
| 18 | Redetermination of the structure and dielectric properties of bis(thiourea) pyridinium iodide – a new ferroelectric inclusion compound. <i>Acta Crystallographica Section B: Structural Science</i> , 2008, 64, 567-572.                                 | 1.8 | 11        |

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|----|---|-----|-----------|
| 19 | The aluminium effect on the structure of silico-phosphate glasses studied by NMR and FTIR. Journal of Molecular Structure, 2009, 924-926, 107-110.  | 1.8 | 11        |
| 20 | Molecular dynamics in grafted polydimethylsiloxanes. Journal of Non-Crystalline Solids, 2010, 356, 669-675.   | 1.5 | 10        |
| 21 | High-Resolution Solid-State <sup>13</sup> C NMR Studies of Poly[(R)-3-hydroxybutyric] Acid. Solid State Nuclear Magnetic Resonance, 2002, 21, 197-203.  | 1.5 | 9         |
| 22 | Cation dynamics in pyridinium nitrate and bis-thiourea pyridinium nitrate inclusion compound studied by 2H NMR spectroscopy. Journal of Physics Condensed Matter, 2007, 19, 156220.             | 0.7 | 9         |
| 23 | Molecular dynamics in poly[(R)-3-hydroxybutyric acid] biopolymer as studied by NMR. Applied Magnetic Resonance, 2000, 18, 37-45.  | 0.6 | 8         |
| 24 | Temperature Dependence of Spontaneous Polarization in Order-Disorder Pyridinium Periodate Extracted from 2H NMR Data. Journal of Physical Chemistry C, 2008, 112, 7503-7508.                    | 1.5 | 8         |
| 25 | Phase transitions, molecular dynamics and structural properties of 1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquid. Journal of Molecular Liquids, 2020, 313, 113535. | 2.3 | 8         |
| 26 | <sup>2</sup> H and <sup>13</sup> C CPMAS NMR study of chain dynamics in n-dodecylammonium chloride. Journal of Molecular Structure, 2000, 555, 107-117.   | 1.8 | 7         |
| 27 | <sup>1</sup> H and <sup>13</sup> C NMR Studies of Molecular Dynamics in the Biocopolymer of Glycolide and $\epsilon$ -Caprolactone. Solid State Nuclear Magnetic Resonance, 2002, 22, 19-28.    | 1.5 | 7         |
| 28 | Ring inversion in 4-hydroxy-1-methylpiperidine betaine studied by X-ray, FTIR, <sup>13</sup> C CP MAS NMR and DFT calculations. Journal of Molecular Structure, 2009, 917, 76-83.               | 1.8 | 6         |
| 29 | Proton longitudinal NMR relaxation of poly(p-phenylene sulfide) in the laboratory and the rotating frames reference. Solid State Nuclear Magnetic Resonance, 2004, 25, 47-52.                   | 1.5 | 5         |
| 30 | NMR relaxometry in the investigation of the kinetics of the recrystallization of felodipine. Powder Technology, 2019, 347, 35-41.   | 2.1 | 5         |
| 31 | Non-ideal mixing behavior in dibutyl phosphate-propylamine binary liquids: Dielectric and nuclear magnetic resonance investigations. Journal of Molecular Liquids, 2021, 323, 114963.           | 2.3 | 4         |
| 32 | Polymer-Dependent Layer Structures in Montmorillonite Nanocomposites. Journal of Analytical Science and Technology, 2011, 2, A22-A30.   | 1.0 | 3         |
| 33 | Thiol-ene ionogels based on polymerizable imidazolium ionic liquids. Polymer Chemistry, 2022, 13, 3154-3170.  | 1.9 | 3         |
| 34 | Molecular dynamics of n-dodecylammonium chloride studied by nuclear magnetic resonance. Applied Magnetic Resonance, 2000, 19, 413-420.  | 0.6 | 2         |
| 35 | Molecular Dynamics of Podand Studied by Broadband Dielectric and Nuclear Magnetic Resonance Spectroscopies. Macromolecular Chemistry and Physics, 2007, 208, 2121-2127.                         | 1.1 | 2         |
| 36 | Polarisation and Energy Barriers in Ferroelectric Pyridinium Perchlorate. Ferroelectrics, 2008, 368, 63-71.   | 0.3 | 2         |

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|----|--|-----|-----------|
| 37 | Local mobility in grafted polydimethylsiloxane melts. <i>European Polymer Journal</i> , 2011, 47, 48-51.   | 2.6 | 2         |
| 38 | An inelastic incoherent neutron scattering study of the internal dynamics of ergocalciferol and cholesterol. <i>Journal of Physics: Conference Series</i> , 2014, 554, 012010. | 0.3 | 2         |
| 39 | Structural studies on the stereoisomerism of a natural dye miraxanthin I. <i>New Journal of Chemistry</i> , 2019, 43, 18165-18174.   | 1.4 | 2         |
| 40 | Internal Dynamics of Ionic Liquids over a Broad Temperature Range – The Role of the Cation Structure. <i>Materials</i> , 2022, 15, 216.  | 1.3 | 2         |
| 41 | Generation of iron active species in MCM-41 materials. <i>Studies in Surface Science and Catalysis</i> , 2005, 158, 829-836.   | 1.5 | 1         |
| 42 | Molecular Motion in the Biocopolymer Sequence of Glycolide and Lactide Studied by Solid-State NMR. <i>Applied Magnetic Resonance</i> , 2008, 34, 193-203.                      | 0.6 | 0         |