

BoÅ¼ena Hilczer

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dielectric relaxation in ferroelectric PZT/PVDF nanocomposites. Journal of Non-Crystalline Solids, 2002, 305, 167-173.	1.5	94
2	Magnetization enhancement in magnetite nanoparticles capped with alginic acid. Composites Part B: Engineering, 2014, 64, 147-154.	5.9	39
3	Calcite microcrystals in the pineal gland of the human brain: First physical and chemical studies. Bioelectromagnetics, 2002, 23, 488-495.	0.9	32
4	Structure, hydrogen bond network and proton conductivity of new benzimidazole compounds with dicarboxylic acids. CrystEngComm, 2013, 15, 1950.	1.3	30
5	Mechanochemical reaction in the K ₂ CO ₃ -Nb ₂ O ₅ system. Journal of the European Ceramic Society, 2009, 29, 2999-3006.	2.8	29
6	Raman Scattering Studies of Lead Free (1-x)K _{0.5} Na _{0.5} NbO ₃ -xSrTiO ₃ Relaxors. Ferroelectrics, 2008, 369, 149-156.	0.3	28
7	Dielectric response of polymer relaxors. Journal of Materials Science, 2006, 41, 117-127.	1.7	24
8	Proton Conducting Compound of Benzimidazole with Sebacic Acid: Structure, Molecular Dynamics, and Proton Conductivity. Crystal Growth and Design, 2014, 14, 1211-1220.	1.4	23
9	The Space Group Symmetry of PSN, PST and PSNT Ferroelectric Relaxors in the Superparaelectric Phase. Ferroelectrics, 2004, 298, 235-241.	0.3	20
10	Superionic phase transition in CsHSeO ₄ and CsDSeO ₄ single crystal. Ferroelectrics, 1988, 81, 193-196.	0.3	13
11	Structure and molecular dynamics of bis-1H-1,2,4-triazole succinic acid complex crystals. CrystEngComm, 2011, 13, 3698.	1.3	13
12	Spiral patterns on GASH. Ferroelectrics, 1985, 63, 69-76.	0.3	12
13	Structural relaxation in superprotonic tetraammonium dihydrogen triselenate single crystals. Solid State Ionics, 1999, 125, 163-169.	1.3	12
14	The nature of different behaviour of PSN and PST relaxors. Ferroelectrics, 2000, 240, 1507-1514.	0.3	12
15	Study of ferroelectric domain structure of gash single crystals by scanning electron microscope. Ferroelectrics, 1984, 55, 189-192.	0.3	11
16	Dielectric Relaxation in K _{0.5} Na _{0.5} NbO ₃ -PVDF Composites. Ferroelectrics, 2006, 338, 159-170.	0.3	11
17	Ferroelectric perovskite nanopowders obtained by mechanochemical synthesis. Processing and Application of Ceramics, 2010, 4, 99-106.	0.4	11
18	Study of ferroelectric domain structure of lithium ammonium sulphate by scanning electron microscopy and electron microscope decoration technique. Ferroelectrics, 1984, 55, 201-204.	0.3	10

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19	Segmental dynamics in poly(vinylidene fluoride) studied by dielectric, mechanical and nuclear magnetic resonance spectroscopies. <i>Polymer Bulletin</i> , 2012, 68, 1121-1134.	1.7	10
20	Relation between the pyroelectric response and the dielectric heterogeneity of PVDF foil. <i>Ferroelectrics</i> , 1996, 184, 131-140.	0.3	9
21	Superionic phase transition in Rb ₃ D(SeO ₄) ₂ single crystals. <i>Journal of Power Sources</i> , 2007, 173, 781-787.	4.0	9
22	Dielectric and magnetic properties of (Bi _{1-x} La _x FeO ₃) _{0.5} (PbTiO ₃) _{0.5} ceramics prepared by high energy mechanochemical technique. <i>Journal of Electroceramics</i> , 2015, 35, 33-44.	0.8	9
23	Dielectric behaviour and conformational disorder in polymer relaxors. <i>Ferroelectrics</i> , 2001, 261, 139-148.	0.3	8
24	Relaxor-like behaviour of P(VDF/TrFE) film irradiated with 1MeV electrons. <i>Ferroelectrics</i> , 2001, 258, 291-296.	0.3	8
25	Influence of inter-chain correlations on proton ordering in MeHXO ₄ protonic conductors. <i>Solid State Ionics</i> , 2001, 145, 211-216.	1.3	8
26	Dielectric dispersion in [N(C ₂ H ₅) ₄] ₂ ZnCl ₄ single crystal. <i>Ferroelectrics, Letters Section</i> , 2001, 28, 55-65.	0.4	8
27	Pyroelectric Response of PZT-PVDF Nanocomposites of (0-3) Connectivity. <i>Ferroelectrics</i> , 2002, 267, 277-284.	0.3	8
28	Magnetic properties of BiFeO ₃ micro-cubes synthesized by microwave agitation. <i>Phase Transitions</i> , 2013, 86, 748-757.	0.6	8
29	Impedance spectroscopy studies of proton conductivity in imidazolium malonate. <i>Solid State Ionics</i> , 2017, 306, 25-30.	1.3	8
30	Spiral Patterns on Cleavage Surfaces of Ferroelectric Guanidinium Aluminum Sulfate Hexahydrate. <i>Journal of the Physical Society of Japan</i> , 1984, 53, 2778-2783.	0.7	7
31	Dielectric and Acoustic Response of Biocellulose. <i>Ferroelectrics</i> , 2004, 304, 39-42.	0.3	7
32	BiFeO ₃ single crystal as resistive switching element for application in microelectronic devices. <i>Phase Transitions</i> , 2013, 86, 284-289.	0.6	7
33	Dielectric and Pyroelectric Response of PLZT-P(VDF/TrFE) Nanocomposites. <i>Ferroelectrics</i> , 2003, 293, 253-265.	0.3	6
34	Dielectric Relaxation and Conformational Disorder in P(VDF/TrFE)(50/50) Copolymer Films Irradiated with Fast Electrons. <i>Ferroelectrics</i> , 2003, 294, 191-201.	0.3	6
35	Protonic Conductivity in Li(N ₂ H ₅)SO ₄ Single Crystals. <i>Japanese Journal of Applied Physics</i> , 1985, 24, 668.	0.8	5
36	Effect of the poling temperature on the dielectric properties of oriented PVDF film. <i>Ferroelectrics</i> , 1988, 81, 365-368.	0.3	5

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37	Pyroelectric response of dye-doped PVDF. <i>Ferroelectrics</i> , 1999, 225, 33-40.	0.3	5
38	Ferroelastic-Superionic Phase Transition in (NH ₄) ₃ H(SO ₄) ₂ Single Crystals: FT NIR Raman, DSC and Ferroelastic Domain Studies. <i>Ferroelectrics</i> , 2002, 272, 81-86.	0.3	5
39	XRD and Raman spectroscopy studies of (Bi _{1-x} La _x)FeO ₃ _{0.5} (PbTiO ₃) _{0.5} solid solution. <i>Phase Transitions</i> , 2014, 87, 909-921.	0.3	5
40	Dielectric and TSC study of semicompatible PVDF/PMMA blends. <i>Polymer Bulletin</i> , 1984, 11, 429-431.	1.7	4
41	Pyroelectric homogeneity of corona-charged P(VDF/TrFE) films. <i>Ferroelectrics</i> , 1997, 202, 275-284.	0.3	4
42	Dielectric Relaxation in Confined Ferroelectric Polymer. <i>Ferroelectrics</i> , 2011, 417, 124-135.	0.3	4
43	Effect of thermal treatment on dielectric and acoustic properties of P(VDF/TRFE) film. <i>Ferroelectrics</i> , 2001, 258, 241-250.	0.3	3
44	Dielectric Response and Conformational Disorder in Polymer Relaxors. <i>Ferroelectrics</i> , 2004, 298, 113-121.	0.3	3
45	Dielectric Properties of (NH ₄) ₃ H(SO ₄) ₂ Crystals in Room- and High-Temperature Phases. <i>Ferroelectrics</i> , 2007, 348, 75-81.	0.3	3
46	Effect of Processing Conditions on the Dielectric and Raman Response of Electroactive Polymers. <i>Ferroelectrics</i> , 2010, 405, 138-145.	0.3	3
47	Pyroelectric response of TGS-PEO composites. <i>Ferroelectrics</i> , 1997, 201, 201-210.	0.3	2
48	Domain structure and conductivity in pure and PO ₄ -doped CsDSO ₄ crystals. <i>Solid State Ionics</i> , 1999, 125, 171-175.	1.3	2
49	Order-disorder transitions and structural relaxation phenomena in crystals with hydrogen bonds. <i>Ferroelectrics</i> , 2000, 239, 149-156.	0.3	2
50	Pyroelectric Thermowave Probing and Polarization Reversal in TGS/PEO Composites. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 497, 109/[441]-120/[452].	0.4	2
51	Structure, dielectric and electric properties of diisobutylammonium hydrogen sulfate crystal. <i>Journal of Solid State Chemistry</i> , 2018, 258, 753-761.	1.4	2
52	Relationship Between the Growth Temperature and Domain Structure of GASH. <i>Japanese Journal of Applied Physics</i> , 1985, 24, 632.	0.8	2
53	Dielectric response of polymer relaxors. , 2006, , 117-127.		2
54	High Temperature Study of Molecular Motion in Polyphenylene Sulfide by Thermally Stimulated Currents. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1984, 39, 262-266.	0.7	1

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55	Dielectric response and specific heat studies of Cd ₂ Nb ₂ O ₇ ceramics obtained from mechano-synthesized nanopowders. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2013, 60, 1603-1611.	1.7	1
56	Microcrystals of Calcite in the Pineal Gland of the Human Brain. Ferroelectrics, 2002, 273, 345-350.	0.3	0
57	Raman Scattering Studies of Polymer: Li(N ₂ H ₅)SO ₄ /P ² -LiNH ₄ SO ₄ Composites. Ferroelectrics, 2004, 303, 181-184.	0.3	0
58	Guest Editorial Tribute to Professor Jan Fousek and Professor Václav Janovec. Ferroelectrics, 2008, 376, vii-viii.	0.3	0
59	Guest editors' preface. Phase Transitions, 2013, 86, 111-112.	0.6	0
60	Guest editors' note. Phase Transitions, 2014, 87, 907-908.	0.6	0
61	Influence of Preparation Conditions on Final Dielectric Properties of Pure and Ca-Doped BaTiO ₃ Ceramics. Lecture Notes in Mechanical Engineering, 2018, , 941-950.	0.3	0