

Elzbieta Jartych

List of Publications by Year in descending order

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70
papers

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471509

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times ranked

1085
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#	ARTICLE	IF	CITATIONS
1	Crystal structure and hyperfine interactions of delafossite (CuFeO_2) synthesized hydrothermally. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 570-576.	1.1	2
2	Magnetic and magnetoelectric properties of $\text{Bi}_0.5\text{Nd}_0.5\text{FeO}_3$ ceramics. <i>Ceramics International</i> , 2020, 46, 1804-1809.	4.8	4
3	Effect of annealing temperature on structural properties of the co-precipitated delafossite AgFeO_2 . <i>Materials Research Express</i> , 2019, 6, 086113.	1.6	6
4	Structure and Hyperfine Interactions of Mechanically Activated Delafossite CuFeO_2 . <i>Acta Physica Polonica A</i> , 2018, 133, 372-375.	0.5	5
5	Structure and Hyperfine Interactions of Fe-Doped ZnO Powder Prepared by Co-Precipitation Method. <i>Acta Physica Polonica A</i> , 2018, 134, 1048-1052.	0.5	4
6	^{57}Fe Mössbauer Spectroscopy Studies of Fe-Doped BaTiO_3 Ceramics. <i>Acta Physica Polonica A</i> , 2018, 134, 1058-1062.	0.5	6
7	X-ray Diffraction and ^{57}Fe Mössbauer Spectroscopy Studies of Co-Doped AgFeO_2 . <i>Acta Physica Polonica A</i> , 2018, 134, 1040-1043.	0.5	1
8	Effect of BaTiO_3 concentration on structural and magnetic properties of mechanically activated BiFeO_3 - BaTiO_3 system. <i>Nukleonika</i> , 2017, 62, 149-152.	0.8	3
9	Magnetic properties and magnetoelectric coupling enhancement in $\text{Bi}_5\text{Ti}_3\text{FeO}_{15}$ ceramics. <i>Ceramics International</i> , 2017, 43, 11442-11449.	4.8	30
10	Compositional dependence of hyperfine interactions and magnetoelectric coupling in $(\text{BiFeO}_3)_x$ - $(\text{BaTiO}_3)_{1-x}$ solid solutions. <i>Nukleonika</i> , 2017, 62, 117-122.	0.8	5
11	Synthesis and characterization of AgFeO_2 delafossite with non-stoichiometric silver concentration. <i>Nukleonika</i> , 2017, 62, 165-170.	0.8	9
12	X-ray diffraction and ^{57}Fe Mössbauer spectroscopy studies of delafossite AgFeO_2 prepared by co-precipitation method. <i>Journal of Alloys and Compounds</i> , 2017, 690, 182-188.	5.5	9
13	A comparative study of hyperfine interactions in Aurivillius compounds prepared by mechanical activation and solid-state sintering. <i>Nukleonika</i> , 2017, 62, 153-157.	0.8	5
14	Chemical reduction of nitrate by zerovalent iron nanoparticles adsorbed radiation-grafted copolymer matrix. <i>Nukleonika</i> , 2017, 62, 269-275.	0.8	7
15	Composition-driven structural and magnetic transitions in mechanically activated $(1-x)\text{BiFeO}_3-x\text{BaTiO}_3$ solid solutions. <i>Ceramics International</i> , 2016, 42, 10784-10791.	1.9	14
16	Structure and Magnetic Properties of $\text{Bi}_5\text{Ti}_3\text{FeO}_{15}$ Ceramics Prepared by Sintering, Mechanical Activation and Edam Process. A Comparative Study. <i>Archives of Metallurgy and Materials</i> , 2016, 61, 869-874.	0.6	6
17	A novel radiation-induced grafting methodology to synthesize stable zerovalent iron nanoparticles at ambient atmospheric conditions. <i>Colloid and Polymer Science</i> , 2016, 294, 1557-1569.	2.1	5
18	Magnetoelectric Effect in Ceramics Based on Bismuth Ferrite. <i>Nanoscale Research Letters</i> , 2016, 11, 234.	5.7	46

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19	Magnetoelectric effect in $(\text{BiFeO}_3)_x(\text{BaTiO}_3)_{1-x}$ solid solutions. <i>Materials Science-Poland</i> , 2015, 33, 107-112.	1.0	4
20	Structure and some magnetic properties of $(\text{BiFeO}_3)_x(\text{BaTiO}_3)_{1-x}$ solid solutions prepared by solid-state sintering. <i>Nukleonika</i> , 2015, 60, 81-85.	0.8	7
21	X-Ray Diffraction, Mössbauer Spectroscopy, and Magnetoelectric Effect Studies of Multiferroic $\text{Bi}_5\text{Ti}_3\text{FeO}_{15}$ Ceramics. <i>Acta Physica Polonica A</i> , 2015, 127, 296-299.	0.5	17
22	X-ray diffraction and Mössbauer spectroscopy studies of a mechanosynthesized $\text{Fe}_75\text{B}_{25}$ alloy. <i>Nukleonika</i> , 2015, 60, 43-46.	0.8	3
23	Structure and Mössbauer Spectroscopy Studies of Multiferroic Mechanically Activated Aurivillius Compounds. <i>Acta Physica Polonica A</i> , 2014, 126, 975-978.	0.5	4
24	Mössbauer Spectroscopy Studies of Multiferroic $(\text{BiFeO}_3)_{1-x}(\text{BaTiO}_3)_x$ Solid Solutions Prepared by Mechanical Activation. <i>Acta Physica Polonica A</i> , 2014, 125, 837-839.	0.5	4
25	Structure and hyperfine interactions in $\text{Bi}_{1-x}\text{Nd}_x\text{FeO}_3$ solid solutions prepared by solid-state sintering. <i>Journal of Alloys and Compounds</i> , 2014, 606, 1-6.	5.5	19
26	Isoelectric points of fresh and aged $\text{Fe}(\text{OH})_2$. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 441, 326-330.	4.7	8
27	Antiferromagnetic spin glass-like behavior in sintered multiferroic Aurivillius $\text{Bi}_{m+1}\text{Ti}_3\text{Fem}^{3+}\text{O}_{3m+3}$ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 342, 27-34.	2.3	75
28	Comparative X-ray diffraction and Mössbauer spectroscopy studies of BiFeO_3 ceramics prepared by conventional solid-state reaction and mechanical activation. <i>Materials Science-Poland</i> , 2013, 31, 211-220.	1.0	10
29	On the magnetic properties of mechanosynthesized Co-Fe-Ni ternary alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 209-216.	2.3	30
30	Structure and Hyperfine Interactions in Aurivillius $\text{Bi}_9\text{Ti}_3\text{Fe}_5\text{O}_{27}$ Conventionally Sintered Compound. <i>Acta Physica Polonica A</i> , 2011, 119, 72-74.	0.5	2
31	Hyperfine interactions in mechanosynthesized and thermally treated Co-Fe-Ni alloys. <i>Journal of Physics: Conference Series</i> , 2010, 217, 012082.	0.4	3
32	Hyperfine interactions in some Aurivillius $\text{Bi}_{m+1}\text{Ti}_3\text{Fem}^{3+}\text{O}_{3m+3}$ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 51-55.	2.3	33
33	Structure and hyperfine interactions of $\text{Bi}_9\text{Ti}_3\text{Fe}_5\text{O}_{27}$ multiferroic ceramic prepared by sintering and mechanical alloying methods. <i>Journal of Non-Crystalline Solids</i> , 2010, 356, 1994-1997.	3.1	16
34	X-ray diffraction and Mössbauer studies of $\text{X}_{20}\text{Cr}_{13}$ steel subjected to ball milling. <i>Hyperfine Interactions</i> , 2009, 192, 117-124.	0.5	1
35	Structure and hyperfine interactions of mechanically synthesized Co-Fe-Ni alloys. <i>Journal of Alloys and Compounds</i> , 2009, 483, 582-584.	5.5	3
36	Structure and some magnetic properties of mechanically synthesized and thermally treated Co-Fe-Ni alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 413-420.	2.3	53

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37	Mössbauer study of nanocrystalline Co ₆₀ Fe ₃₀ Ni ₁₀ and Co ₅₀ Fe ₃₅ Ni ₁₅ alloys obtained during mechanical synthesis. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 4267-4270.	3.1	12
38	Mössbauer Study of Mechanosynthesized and Thermally Treated Co-Fe-Ni Alloys. <i>Acta Physica Polonica A</i> , 2008, 114, 1545-1553.	0.5	7
39	Thermal stability and hyperfine interactions of mechanically alloyed Fe-Ge phases. <i>Journal of Alloys and Compounds</i> , 2007, 430, 116-122.	5.5	6
40	Hyperfine interactions, structure and magnetic properties of nanocrystalline Co-Fe-Ni alloys prepared by mechanical alloying. <i>Hyperfine Interactions</i> , 2007, 168, 989-994.	0.5	11
41	Synthesis and cation distribution of copper-substituted spinel-related lithium ferrite. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1817-1822.	4.0	15
42	Hydrogen-induced phase transformations in nanostructured graphite made by controlled ball milling. <i>Vacuum</i> , 2005, 78, 347-351.	3.5	2
43	On the synthesis and cation distribution of aluminum-substituted spinel-related lithium ferrite. <i>Materials Letters</i> , 2005, 59, 1105-1109.	2.6	33
44	Structure, hyperfine interactions and magnetization studies of mechanically alloyed Fe ₅₀ Ge ₅₀ and Fe ₆₂ Ge ₃₈ . <i>Journal of Alloys and Compounds</i> , 2005, 400, 23-28.	5.5	6
45	Structural transformations in graphite induced by magneto-mechanical-milling in hydrogen atmosphere. <i>Journal of Alloys and Compounds</i> , 2005, 402, 256-262.	5.5	13
46	Structure and magnetic properties of mechanically synthesized nanocrystalline Co ₅₂ Fe ₂₆ Ni ₂₂ alloy. <i>Journal of Materials Science</i> , 2004, 39, 5385-5388.	3.7	8
47	Local atomic order in nanocrystalline Fe-based alloys obtained by mechanical alloying. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 265, 176-188.	2.3	37
48	Synthesis and characterization of goethite and goethite-hematite composite: experimental study and literature survey. <i>Advances in Colloid and Interface Science</i> , 2003, 103, 57-76.	14.7	94
49	Structure and hyperfine interactions in mechanosynthesized iron-molybdenum alloys. <i>Journal of Alloys and Compounds</i> , 2002, 337, 69-75.	5.5	17
50	Structural and magnetic properties of bulk amorphous alloys Fe-Al-Ga-P-B-Si. <i>Journal of Alloys and Compounds</i> , 2002, 343, 211-216.	5.5	8
51	Influence of the electrodeposition parameters on surface morphology and local magnetic properties of thin iron layers. <i>Applied Surface Science</i> , 2002, 193, 210-216.	6.1	16
52	Structure and Magnetic Properties of Nanocrystalline Fe-Mo Alloys Prepared by Mechanosynthesis. <i>Acta Physica Polonica A</i> , 2002, 102, 253-258.	0.5	8
53	Surface morphology and local magnetic properties of electrodeposited thin iron layers. <i>Applied Surface Science</i> , 2001, 180, 246-254.	6.1	20
54	Evolution of mechanical properties in tool steel implanted with high energy nitrogen ions. <i>Vacuum</i> , 2001, 63, 737-742.	3.5	17

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55	Hyperfine Interactions in Amorphous Fe-Nb Alloys Prepared by Mechanical Alloying. <i>Hyperfine Interactions</i> , 2001, 136, 25-33.	0.5	15
56	Preparation of thin iron films by electrodeposition and characterization of their local magnetic properties. <i>Materials Chemistry and Physics</i> , 2001, 72, 356-359.	4.0	15
57	Process of Amorphization Induced by Mechanical Alloying of Iron with Tungsten and Niobium. <i>Acta Physica Polonica A</i> , 2001, 100, 731-736.	0.5	1
58	Structure and magnetic properties of mechanosynthesized iron-tungsten alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 218, 247-255.	2.3	16
59	X-ray diffraction, magnetization and Mössbauer studies of nanocrystalline Fe-Ni alloys prepared by low- and high-energy ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 208, 221-230.	2.3	73
60	Hyperfine interactions in solid state reaction of hematite with aluminium. , 2000, 128, 495-501.		5
61	Structural and magnetic study of mechanically alloyed Fe-Ni. <i>Scripta Materialia</i> , 1999, 11, 789-796.	0.5	28
62	Structural and magnetic study of crystalline Fe ₈₀ Ni ₂₀ alloys with nanometer-sized grains. <i>Journal of Non-Crystalline Solids</i> , 1999, 250-252, 757-761.	3.1	21
63	Magnetic properties and structure of nanocrystalline Fe-Al and Fe-Ni alloys. <i>Scripta Materialia</i> , 1999, 12, 927-930.	0.5	39
64	Magnetic properties and structure of nanocrystalline Fe ₇₀ Al ₃₀ alloy prepared by mechanosynthesis. <i>Journal of Magnetism and Magnetic Materials</i> , 1998, 186, 299-305.	2.3	27
65	Hyperfine interactions in nanocrystalline Fe-Al alloys. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 4929-4936.	1.8	38
66	Mössbauer and X-ray diffraction studies of mechanically alloyed Fe-Al. <i>Hyperfine Interactions</i> , 1996, 99, 389-399.	0.5	18
67	A Mossbauer study of electrodeposited Fe _{1-x} Co _x alloys. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 927-934.	1.8	17
68	A Mossbauer spectroscopy study of electrodeposited (Co _x Ni _{1-x}) _{1-y} Fe _y alloys with 0 ≤ x ≤ 1 and y ≤ 0.01. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 8921-8926.	1.8	9
69	Hyperfine interactions in electrodeposited Fe _x Ni _{1-x} alloys. <i>Hyperfine Interactions</i> , 1992, 73, 255-264.	0.5	9
70	Mössbauer Spectroscopy and Magnetoelectric Effect Studies of Multiferroic Ceramics Based on BiFeO ₃ . <i>Key Engineering Materials</i> , 0, 602-603, 936-941.	0.4	4