

# Katarzyna ReÄko

## List of Publications by Year in descending order

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45  
papers

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citations

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Crystal and magnetic structures, magnetic and ferroelectric properties of strontium ferrite partially substituted with in ions. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153412.	5.5	98
2	The crystal and magnetic structures of intermetallic compounds. <i>Journal of Physics Condensed Matter</i> , 1997, 9, 9541-9553.	1.8	27
3	Structural and magnetic properties of Fe <sub>1-x</sub> Cr <sub>x</sub> Al alloys with DO <sub>3</sub> -type structure. <i>Journal of Magnetism and Magnetic Materials</i> , 1997, 169, 240-252.	2.3	25
4	Mössbauer and magnetic studies of Fe <sub>3-2x</sub> Co <sub>x</sub> Al. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 210, 150-162.	2.3	21
5	Cr <sub>3</sub> Si doped by Co studied by muon spin relaxation and scanning electron microscopy techniques. <i>Journal of Alloys and Compounds</i> , 2010, 498, 5-12.	5.5	19
6	Formation of a Partially Oxidized Gold Compound by Electrolytic Oxidation of the Solvoluminescent Gold(I) Trimer, Au <sub>3</sub> (MeN <sub>3</sub> COMe) <sub>3</sub> . <i>Inorganic Chemistry</i> , 2009, 48, 1551-1558.	4.0	14
7	Projected iron moments in UFe <sub>4</sub> Al <sub>8</sub> investigated with monochromatic polarized Mössbauer radiation. <i>Journal of Physics Condensed Matter</i> , 1999, 11, 6451-6461.	1.8	11
8	Magnetism of the UFe <sub>x</sub> Al <sub>12-2x</sub> alloys. <i>Journal of Alloys and Compounds</i> , 2002, 334, 58-67.	5.5	11
9	Magnetic properties of ThFe <sub>x</sub> Al <sub>12x</sub> alloys. <i>Physica Status Solidi A</i> , 2003, 196, 344-347.	1.7	9
10	Remarkable solvent effect on the structure and electrochemical properties of [M(bipyridyl) <sub>3</sub> ](ClO <sub>4</sub> ) <sub>3</sub> (M=Co, Fe and Ru) films. <i>Electrochimica Acta</i> , 2006, 51, 4544-4553.	5.2	8
11	The crystal and magnetic structures of UFe <sub>x</sub> Al <sub>12-2x</sub> alloys. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 696-697.	2.7	7
12	Fretting and Fretting Corrosion Processes of Ti6Al4V Implant Alloy in Simulated Oral Cavity Environment. <i>Materials</i> , 2020, 13, 1561.	2.9	7
13	Properties of Ga-Doped Magnetite Nanoparticles. <i>Acta Physica Polonica A</i> , 2018, 134, 998-1002.	0.5	7
14	Investigation of the Structure and Corrosion Resistance of Novel High-Entropy Alloys for Potential Biomedical Applications. <i>Materials</i> , 2022, 15, 3938.	2.9	7
15	Magnetic properties of Cr <sub>3</sub> Si doped Fe and Co. <i>Physica Status Solidi A</i> , 2003, 196, 260-262.	1.7	6
16	Variations in the crystalline deposits formed upon electrochemical oxidation of the anions, [Ir(CO) <sub>2</sub> X <sub>2</sub> ] <sup>±</sup> (X = Cl, Br, and I). <i>Electrochimica Acta</i> , 2008, 53, 7288-7297.	5.2	6
17	Phase composition and magnetism of sol-gel synthesized Ga-Fe-O nanograins. <i>Phase Transitions</i> , 2018, 91, 128-139.	1.3	6
18	Magnetism of Surface-Modified and Gallium-Doped Magnetite Particles. <i>Journal of Surface Investigation</i> , 2020, 14, S85-S92.	0.5	6

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19	The Magnetic Properties of $\text{GaFeO}_3$ by Neutron Diffraction and Mössbauer Spectroscopy. <i>Acta Physica Polonica A</i> , 2012, 122, 396-399.	0.5	6
20	Magnetism of $\text{UFe}_4\text{Al}_8$ ( $x=0.4, 0.4\%$ ) intermetallics. <i>Journal of Alloys and Compounds</i> , 2001, 323-324, 531-533.	5.5	5
21	Magnetic phase transitions in $\text{ScFe}_4\text{Al}_8$ by powder and single crystal neutron diffraction. <i>Phase Transitions</i> , 2007, 80, 575-586.	1.3	5
22	Magnetic Moments and Hyperfine Parameters of $\text{Fe}_{3-x}\text{Cr}_x\text{Al}_0.5\text{Si}_0.5$ . <i>Journal of the Physical Society of Japan</i> , 2012, 81, 044713.	1.6	5
23	Characterization of fretting products between austenitic and martensitic stainless steels using Mössbauer and X-ray techniques. <i>Wear</i> , 2013, 300, 90-95.	3.1	5
24	Magnetic and ferroelectric properties, crystal and magnetic structures of $\text{SrFe}_{11.9}\text{In}_{0.1}\text{O}_{19}$ . <i>Physica Scripta</i> , 2020, 95, 044006.	2.5	5
25	Titanium matrix composites reinforced with biogenic filler. <i>Scientific Reports</i> , 2022, 12, .	3.3	5
26	Friction-Free Mechanical Grinder. <i>Materials Science Forum</i> , 1997, 235-238, 223-230.	0.3	4
27	Debye temperatures and magnetic structures of $\text{UFexAl}_{12-x}$ ( $3.6 \leq x \leq 5$ ) intermetallic alloys. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 566-567.	2.7	4
28	$^{57}\text{Fe}$ SR study of Co doped $\text{Cr}_3\text{Si}$ . <i>Journal of Alloys and Compounds</i> , 2007, 442, 213-215.	5.5	4
29	Structural and magnetic properties of $\text{Sc}_{1.1}\text{Fe}_{3.9}\text{Al}_8$ alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1860-1867.	2.3	4
30	Electric and Magnetic Properties of bcc Fe Based Multicomponent Alloys. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 064715.	1.6	4
31	Electrical and Magnetic Properties of Selected Fe-Based High Entropy Alloys. <i>Acta Physica Polonica A</i> , 2014, 126, 999-1004.	0.5	4
32	The method of invariants in $^{57}\text{Fe}$ Mössbauer spectroscopy on selected examples. <i>Journal of Physics: Conference Series</i> , 2010, 217, 012010.	0.4	3
33	Site preference and magnetism of $\text{Fe}_{3-x}\text{Cr}_x\text{Al}_0.5\text{Si}_0.5$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2442-2451.	2.3	3
34	Determination of hyperfine fields and atomic ordering in $\text{NiMnFeGe}$ exhibiting martensitic transformation. <i>Nukleonika</i> , 2015, 60, 127-131.	0.8	3
35	Effect of Annealing in Multicomponent bcc Alloys. <i>Acta Physica Polonica A</i> , 2011, 119, 62-64.	0.5	3
36	Heat capacity anomaly near magnetic phase transition in $\text{GaFeO}_3$ . <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 548, 168978.	2.3	2

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37	Modulated magnetic structure of ScFe <sub>4</sub> Al <sub>8</sub> by X-ray, neutron powder diffraction and Mössbauer effect. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 764-766.	2.3	1
38	Magnetic and structural properties of Fe <sub>3-x</sub> Cr <sub>x</sub> Al <sub>0.5</sub> Si <sub>0.5</sub> . Journal of Physics: Conference Series, 2012, 340, 012070.	0.4	1
39	Magnetic anisotropy in the incommensurate ScFe <sub>4</sub> Al <sub>8</sub> system. Journal of Magnetism and Magnetic Materials, 2015, 388, 82-89.	2.3	1
40	Hyperfine Interactions of <sup>57</sup> Fe in Pt <sub>3</sub> Fe - Ab Initio and Mössbauer Effect Studies. Acta Physica Polonica A, 2009, 115, 197-199.	0.5	1
41	Mössbauer measurements of GaFeO <sub>3</sub> single crystal multiferroic. Hyperfine Interactions, 2021, 242, 1.	0.5	1
42	Magnetic properties of ThFe <sub>x</sub> Al <sub>12</sub> powder samples. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, c181-c181.	0.3	0
43	Multiferroic properties of GFO ferrite nanoparticles. Acta Crystallographica Section A: Foundations and Advances, 2015, 71, s97-s97.	0.1	0
44	Reconstruction of the Exchange Integrals Map of ScFe <sub>4</sub> Al <sub>8</sub> Magnetic Structure. Acta Physica Polonica A, 2015, 127, 424-426.	0.5	0
45	Investigation of Electronic Structure of Zn <sub>1-x</sub> Mg <sub>x</sub> Mixed Crystals by Compton Spectroscopy Method. Acta Physica Polonica A, 1996, 90, 907-910.	0.5	0