

# Kazimierz Latka

## List of Publications by Citations

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108  
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#	Paper	IF	Citations
101	A study of compounds Gd <sub>2</sub> T <sub>2</sub> Si <sub>2</sub> by Mössbauer spectroscopy and by bulk magnetization measurements. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1989</b> , 79, 42-56	2.8	93
100	Influence of iron state and acidity of zeolites on the catalytic activity of FeHBEA, FeHZSM-5 and FeHMOR in SCR of NO with NH <sub>3</sub> and N <sub>2</sub> O decomposition. <i>Microporous and Mesoporous Materials</i> , <b>2015</b> , 203, 73-85	5.3	77
99	Identification of iron species in FeSiBEA by DR UV-vis, XPS and Mössbauer spectroscopy: Influence of Fe content. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 168, 1-6	5.3	59
98	The influence of the preparation procedures on the catalytic activity of Fe-BEA zeolites in SCR of NO with ammonia and N <sub>2</sub> O decomposition. <i>Catalysis Today</i> , <b>2014</b> , 235, 210-225	5.3	43
97	BEA zeolite modified with iron as effective catalyst for N <sub>2</sub> O decomposition and selective reduction of NO with ammonia. <i>Applied Catalysis B: Environmental</i> , <b>2013</b> , 138-139, 434-445	21.8	37
96	Mössbauer spectroscopy of Mg Cu Zn Fe O (x=0.0, 0.2 and 0.5) ferrites system irradiated by $\gamma$ -rays. <i>Physica B: Condensed Matter</i> , <b>2018</b> , 530, 195-200	2.8	30
95	Magnetism and hyperfine interactions in Gd <sub>2</sub> Ni <sub>2</sub> Mg. <i>Solid State Sciences</i> , <b>2001</b> , 3, 545-558	3.4	29
94	Structure and Properties of GdTMg (T=Ag, Pt). <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 168, 331-342	3.3	28
93	Interactions of alkylphosphocholines with model membranes-the Langmuir monolayer study. <i>Journal of Membrane Biology</i> , <b>2013</b> , 246, 453-66	2.3	27
92	Superconductivity in the (Gd <sub>1-x</sub> Pr <sub>x</sub> )Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-y</sub> system. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 174, 71-80	1.3	27
91	Investigation of the praseodymium role in superconductivity of (Eu <sub>1-x</sub> Pr <sub>x</sub> ) Ba <sub>2</sub> Cu <sub>3</sub> O <sub>7-y</sub> and related compounds. <i>Physica C: Superconductivity and Its Applications</i> , <b>1990</b> , 171, 287-292	1.3	26
90	Structure, magnetic properties and Mössbauer spectroscopy of GdRhSn. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 2077-2090	3.3	25
89	Structure, Chemical Bonding and <sup>119</sup> Sn Mössbauer Spectroscopy of LaRhSn and CeRhSn. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2005</b> , 60, 1036-1042	1	25
88	Crystal and magnetic properties of GdTSn compounds (T = Ag, Au). <i>Journal of Alloys and Compounds</i> , <b>1997</b> , 262-263, 108-113	5.7	24
87	The crystal structure and magnetic properties of the GdV <sub>2</sub> Al <sub>20</sub> and GdCr <sub>2</sub> Al <sub>20</sub> ternary compounds. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 442, 334-336	5.7	24
86	The Mössbauer Effect in Eu <sub>3</sub> S <sub>4</sub> at Low Temperatures. <i>Physica Status Solidi (B): Basic Research</i> , <b>1974</b> , 64, K147-K151	1.3	24
85	Magnetism and <sup>155</sup> Gd Mössbauer spectroscopy of GdAuMg. <i>Solid State Sciences</i> , <b>2004</b> , 6, 301-309	3.4	22

84	Magnetic ordering in NdRhSn. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2006</b> , 301, 359-370	2.8	21
83	Structure, magnetic properties and <sup>119</sup> Sn Mössbauer spectroscopy of PrRhSn. <i>Journal of Solid State Chemistry</i> , <b>2005</b> , 178, 3101-3109	3.3	21
82	Structure, Chemical Bonding, Magnetic Susceptibility, and <sup>155</sup> Gd Mössbauer Spectroscopy of the Antiferromagnets GdAgGe, GdAuGe, GdAu <sub>0.44</sub> (1)In <sub>1.56</sub> (1), and GdAuIn. <i>Journal of Solid State Chemistry</i> , <b>1998</b> , 141, 352-364	3.3	20
81	The continuous conversion of ethanol and water mixtures into hydrogen over Fe <sub>x</sub> O <sub>y</sub> /MoO <sub>3</sub> catalytic system XPS and Mössbauer studies. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 423, 92-104		19
80	Ferromagnetic ordering in GdPdCd. <i>Solid State Sciences</i> , <b>2002</b> , 4, 609-617	3.4	19
79	Magnetic properties of UTSn compounds (T=Co, Rh, Ir, Ru) studied by <sup>119</sup> Sn Mössbauer spectroscopy. <i>Physical Review B</i> , <b>1997</b> , 55, 5851-5857	3.3	16
78	Electronic and magnetic properties of ternary stannides RERhSn (RE=light rare-earth metals). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2008</b> , 320, L18-L20	2.8	16
77	Magnetic susceptibility and <sup>119</sup> Sn Mössbauer spectroscopy studies of RAuSn compounds (R=La, Ce, Pr). <i>Journal of Magnetism and Magnetic Materials</i> , <b>2001</b> , 224, 241-248	2.8	16
76	Nature of the active sites in CO oxidation on FeSiBEA zeolites. <i>Applied Catalysis A: General</i> , <b>2016</b> , 519, 16-26	5.1	15
75	Antiferromagnetic Ordering in GdRhIn <sub>5</sub> . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2004</b> , 59, 947-957	1	14
74	The distribution of rare earth and other elements and the mineralogy of the iron oxyhydroxide phase in marine ferromanganese concretions from within Slupsk Furrow in the southern Baltic. <i>Applied Geochemistry</i> , <b>1998</b> , 13, 305-312	3.5	13
73	Magnetic ordering in GdAuCd. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 280, 90-100	2.8	13
72	Transferred hyperfine fields at the tin site in the heusler-type alloys Co <sub>2</sub> YSn (Y = Ti, Zr, Hf, V). <i>Physica Status Solidi A</i> , <b>1975</b> , 30, 765-770		13
71	Crystal structure and magnetic properties of the selected phases from the R-{Co, Ni}-Al (R= Y, Gd-Tm) systems. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 758, 122-130	5.7	13
70	<sup>155</sup> Gd Mössbauer Spectroscopy on Intermetallics □ An Overview. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2010</b> , 636, 2244-2255	1.3	11
69	Structural rearrangements in Fe-porous clay heterostructures composites derived from Laponite □ Influence of preparation methods and Fe source. <i>Microporous and Mesoporous Materials</i> , <b>2016</b> , 231, 66-81	5.3	11
68	Affinity of alkylphosphocholines to biological membrane of prostate cancer: studies in natural and model systems. <i>Journal of Membrane Biology</i> , <b>2014</b> , 247, 581-9	2.3	10
67	<sup>119</sup> Sn Mössbauer spectroscopy of the intermetallic compound HoRhSn. <i>Intermetallics</i> , <b>2010</b> , 18, 129-133	3.5	10

66	$^{119}\text{Sn}$ Mössbauer studies of the DyAgSn and DyAuSn compounds. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 390, 9-15	5.7	10
65	$^{119}\text{Sn}$ Mössbauer spectroscopy studies of RAgSn compounds (R=La, Ce, Pr). <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 319, 43-49	5.7	10
64	X-ray and neutron diffraction studies of UPdSn. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 151, 102-110	2.8	10
63	$^{119}\text{Sn}$ Mössbauer study of the compound UAuSn. <i>Journal of Alloys and Compounds</i> , <b>1996</b> , 232, L8-L11	5.7	10
62	Magnetic hyperfine field distribution at the tin site in the Cl structure alloys IrMnSn and PtMnSn. <i>Physica Status Solidi A</i> , <b>1975</b> , 30, 331-336		10
61	Mechanism of formation of framework Fe <sup>3+</sup> in bimetallic Ag-Fe mordenites - Effective catalytic centers for deNOx reaction. <i>Microporous and Mesoporous Materials</i> , <b>2020</b> , 299, 109841	5.3	10
60	Assessment of the capability of Fe and Al modified BEA zeolites to promote advanced oxidation processes in aqueous phase. <i>Chemical Engineering Journal</i> , <b>2021</b> , 409, 127379	14.7	10
59	Magnetic properties of RIrSi <sub>3</sub> (R = Gd, Dy) from Mössbauer spectroscopy and magnetization measurements. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1991</b> , 99, 95-102	2.8	9
58	The influence of an antitumor lipid - erucylphosphocholine - on artificial lipid raft system modeled as Langmuir monolayer. <i>Molecular Membrane Biology</i> , <b>2015</b> , 32, 189-97	3.4	8
57	Bulk and local properties of DyRhSn. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 480, 81-83	5.7	8
56	Mössbauer and magnetic characterization of TbRhSn. <i>Hyperfine Interactions</i> , <b>2008</b> , 184, 39-43	0.8	8
55	The crystal structures of the equiatomic TT <sub>2</sub> X compounds (T=Ti, Zr, Hf; T <sub>2</sub> =Au, Pt, Pd; X=Al, Ga). <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 431, 130-135	5.7	8
54	Magnetic and spectroscopic properties of NdT <sub>2</sub> Sn (T = Ag, Au) compounds. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 385, 64-73	5.7	8
53	Magnetic ordering in the system Co <sub>2-x</sub> Ni <sub>x</sub> TiSn studied by $^{119}\text{Sn}$ -Mössbauer spectroscopy and magnetization measurements. <i>Solid State Communications</i> , <b>1978</b> , 25, 661-663	1.6	8
52	Structure and properties of Gd <sub>4</sub> Pd <sub>10</sub> In <sub>21</sub> . <i>Solid State Sciences</i> , <b>2007</b> , 9, 173-184	3.4	7
51	Hyperfine interactions studied by $^{119}\text{Sn}$ Mössbauer spectroscopy in TbAuSn and TmAuSn compounds. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 400, 16-22	5.7	7
50	Magnetic and $^{119}\text{Sn}$ Mössbauer studies of the HoAuSn compound. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 383, 265-268	5.7	7
49	Magnetic properties and $^{119}\text{Sn}$ hyperfine interactions investigated in RCoSn (R=Tb, Dy, Ho, Er) compounds. <i>Journal of Physics Condensed Matter</i> , <b>1994</b> , 6, 11127-11139	1.8	7

48	A Precursor Approach for the Development of Lace-like Fe <sub>2</sub> O <sub>3</sub> Nanocrystallites Triggered by Pressure Dependent Nucleation and Growth of Akaganeite over Clay Based Composites for Toluene Combustion. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 26236-26250	3.8	6
47	TbRhSn and DyRhSn [Detailed magnetic and <sup>119</sup> Sn Mössbauer spectroscopic studies. <i>Intermetallics</i> , <b>2014</b> , 46, 56-64	3.5	6
46	Electronic and Magnetic Properties of Ternary Stannides RERhSn (RE = Tb, Dy and Ho). <i>Solid State Phenomena</i> , <b>2011</b> , 170, 74-77	0.4	6
45	On crystal structures of the R <sub>5</sub> CoSb <sub>2</sub> ternary phases (R=Gd, Tb, Dy, Ho, Er). <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 450, 272-275	5.7	6
44	The crystal structure and magnetic properties of the GdCr <sub>x</sub> Al <sub>12-x</sub> (x = 3.5 and 4.0) intermetallics. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 438, L12-L15	5.7	6
43	<sup>119</sup> Sn Mössbauer studies of the UCu <sub>1+x</sub> Sn <sub>1-x</sub> (x=0, 0.1) system. <i>Journal of Alloys and Compounds</i> , <b>1995</b> , 219, 256-259	5.7	6
42	Structural and magnetic properties of RET <sub>2</sub> Sn <sub>2</sub> compounds (RE=La, Ce, Sm; T=Ni, Cu). <i>Hyperfine Interactions</i> , <b>1989</b> , 50, 723-728	0.8	6
41	Quadrupole moment ratio for the 86.5 keV transition in <sup>155</sup> Gd and the Goldanski-Karyagin effect for Sm <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>1975</b> , 68, K125-K128	1.3	6
40	On the new ternary RZnSn <sub>2</sub> compounds with HfCuSi <sub>2</sub> structure type. <i>Intermetallics</i> , <b>2012</b> , 20, 176-182	3.5	5
39	Crystal structure and magnetic properties of GdZn <sub>2</sub> Ga <sub>2</sub> . <i>Intermetallics</i> , <b>2012</b> , 22, 106-109	3.5	5
38	The crystal structure and magnetic properties of the Gd <sub>6</sub> Cr <sub>4</sub> Al <sub>43</sub> compound. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 450, 114-117	5.7	5
37	The crystal structure of the new Gd <sub>5</sub> CoSb <sub>2</sub> , Gd <sub>5</sub> NiSb <sub>2</sub> and Gd <sub>5</sub> Au <sub>2</sub> Sb ternary phases. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 442, 337-340	5.7	5
36	Magnetism of ErAgSn studied by <sup>119</sup> Sn Mössbauer spectroscopy <b>2000</b> , 126, 299-303		5
35	Puzzling Magnetism of Gd <sub>3</sub> Cu <sub>4</sub> Sn <sub>4</sub> . <i>Acta Physica Polonica A</i> , <b>2008</b> , 114, 1501-1508	0.6	5
34	Alteration of the structure and surface composition of crystalline-amorphous porous clay heterostructures upon iron doping from metal-organic source. <i>Surface and Interface Analysis</i> , <b>2016</b> , 48, 527-531	1.5	4
33	Probing the SmRhSn magnetic state by AC/DC magnetic measurements and <sup>119</sup> Sn Mössbauer spectroscopy. <i>Intermetallics</i> , <b>2012</b> , 22, 154-159	3.5	4
32	Hyperfine interactions studied by <sup>119</sup> Sn Mössbauer spectroscopy in SmRhSn. <i>Hyperfine Interactions</i> , <b>2008</b> , 184, 33-38	0.8	4
31	Crystal structures of R <sub>5</sub> Au <sub>2</sub> X ternary compounds (R=Gd, Tb, Dy, Ho, Er; X=Sb, Bi). <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 438, L4-L6	5.7	4

30	Local properties of SmT <sub>2</sub> Sn (T=Ag, Au) compounds as seen by Mössbauer spectroscopy. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 383, 269-272	5.7	4
29	Mössbauer study of hyperfine field distribution in Co <sub>2</sub> TiSn. <i>Hyperfine Interactions</i> , <b>1986</b> , 28, 603-606	0.8	4
28	Magnetic properties of the selected phases from the EuAgAl and EuAgGa systems. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 650, 572-577	5.7	3
27	Crystal Structure, Chemical Bonding, and Magnetic Hyperfine Interactions in GdRu <sub>2</sub> SiC. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 1381-1389	9.6	3
26	Magnetic properties and 155Gd Mössbauer spectroscopy of LT-GdNiIn <sub>2</sub> . <i>Solid State Sciences</i> , <b>2006</b> , 8, 548-555	3.4	3
25	Langmuir Monolayer Characteristics of Erucylphosphocholine - A Novel Anti-Tumor Drug. <i>Acta Physica Polonica A</i> , <b>2012</b> , 121, 468-473	0.6	3
24	Magnetic field induced structural changes in magnetite observed by resonant x-ray diffraction and Mössbauer spectroscopy. <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	3
23	<sup>119</sup> Sn Mössbauer spectroscopy in the heavy f <sup>7</sup> fermion ferrimagnet UCu <sub>5</sub> Sn. <i>Journal of Physics: Conference Series</i> , <b>2010</b> , 217, 012136	0.3	2
22	Thermodynamic Properties of RZnSn <sub>2</sub> (R = Y, Er, Lu) Compounds with HfCuSi <sub>2</sub> Structure Type. <i>Solid State Phenomena</i> , <b>2012</b> , 194, 67-70	0.4	2
21	Crystal structures of T(T', X) <sub>3</sub> and T(T', X) <sub>2</sub> ternary compounds (T = Ti, Zr; T' = Au, Pt, Pd; X = Al, Ga). <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 428, 90-93	5.7	2
20	<sup>59</sup> Co nuclear magnetic resonance study in GdCo <sub>2</sub> Si <sub>2</sub> compound. <i>Hyperfine Interactions</i> , <b>1989</b> , 51, 967-970.	0.8	2
19	Hydrogen production over Fe enriched porous clay-based nanocomposites and mesoporous silica in bio-ethanol reforming: The role of the clay component. <i>Applied Clay Science</i> , <b>2020</b> , 198, 105801	5.2	2
18	Analysis of heat capacity and Mössbauer data for LuZnSn <sub>2</sub> compound. <i>Nukleonika</i> , <b>2015</b> , 60, 97-101	1	1
17	Magnetic properties of GdPt <sub>4</sub> In. <i>Solid State Sciences</i> , <b>2009</b> , 11, 1680-1685	3.4	1
16	Crystal structures of Hf(T,X) <sub>3</sub> and Hf(T,X) <sub>2</sub> ternary compounds (T = Au, Pt, Pd; X = Al, Ga). <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 438, L7-L11	5.7	1
15	Antiferromagnetic Ordering in GdRhIn <sub>5</sub> . <i>ChemInform</i> , <b>2004</b> , 35, no		1
14	Europium valence transition in EuCu <sub>2</sub> Si <sub>2</sub> and EuPd <sub>2</sub> Si <sub>2</sub> investigated with <sup>119</sup> Sn Mössbauer spectroscopy. <i>Journal of Alloys and Compounds</i> , <b>1992</b> , 178, 423-429	5.7	1
13	Mössbauer effect studies in EuIn <sub>3</sub> and EuPb <sub>3</sub> . <i>Physica Status Solidi A</i> , <b>1975</b> , 30, K17-K20		1

12	Resonant self-absorption correction for Ba119m SnO3 m̄sbauer sources. <i>Physica Status Solidi (B): Basic Research</i> , <b>1977</b> , 79, K137-K138	1.3	1
11	Interactions between Antitumor Alkylphosphocholines and Membrane Sphingolipids in Langmuir Monolayers. <i>Acta Physica Polonica A</i> , <b>2014</b> , 125, 886-890	0.6	1
10	Structural, electrical, and magnetic study of La-, Eu-, and Er- doped bismuth ferrite nanomaterials obtained by solution combustion synthesis. <i>Scientific Reports</i> , <b>2021</b> , 11, 22746	4.9	1
9	Bulk and local properties of intermetallic GdAgSn compound. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 903, 012029	0.3	
8	M̄sbauer and heat capacity studies of ErZnSn2. <i>Nukleonika</i> , <b>2017</b> , 62, 129-133		1
7	Ferromagnetic Ordering in GdPdCd.. <i>ChemInform</i> , <b>2010</b> , 33, 14-14		
6	M̄sbauer and magnetic characterization of TbRhSn <b>2008</b> , 453-457		
5	Chemical Bonding, Magnetic and Spectroscopic Properties of GdRu2SiC. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , <b>2006</b> , 632, 2114-2114	1.3	
4	Local picture of the magnetism of intermediate valence EuCu2 [Ag Si2] phases. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 140-144, 1235-1236	2.8	
3	Hyperfine interactions studied by 119Sn M̄sbauer spectroscopy in SmRhSn <b>2008</b> , 447-452		
2	Eu Valence in EuAg5-xGax (x=0.5 and 1). <i>Acta Physica Polonica A</i> , <b>2018</b> , 134, 1063-1065	0.6	
1	Properties of SmT2Sn2(T = Ni,Cu) Phases. <i>Acta Physica Polonica A</i> , <b>1997</b> , 92, 319-322	0.6	