

Kazimierz Latka

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

101
papers

1,185
citations

20
h-index

29
g-index

108
ext. papers

1,287
ext. citations

3.6
avg, IF

3.98
L-index

#	Paper	IF	Citations
101	Structural, electrical, and magnetic study of La-, Eu-, and Er- doped bismuth ferrite nanomaterials obtained by solution combustion synthesis. <i>Scientific Reports</i> , 2021 , 11, 22746	4.9	1
100	Assessment of the capability of Fe and Al modified BEA zeolites to promote advanced oxidation processes in aqueous phase. <i>Chemical Engineering Journal</i> , 2021 , 409, 127379	14.7	10
99	Mechanism of formation of framework Fe ³⁺ in bimetallic Ag-Fe mordenites - Effective catalytic centers for deNO _x reaction. <i>Microporous and Mesoporous Materials</i> , 2020 , 299, 109841	5.3	10
98	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> , 2020 , 198, 105801	5.2	2
97	Magnetic field induced structural changes in magnetite observed by resonant x-ray diffraction and Mössbauer spectroscopy. <i>Physical Review B</i> , 2020 , 102,	3.3	3
96	A Precursor Approach for the Development of Lace-like Fe ₂ O ₃ Nanocrystallites Triggered by Pressure Dependent Nucleation and Growth of Akaganeite over Clay Based Composites for Toluene Combustion. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 26236-26250	3.8	6
95	Eu Valence in EuAg _{5-x} Ga _x (x=0.5 and 1). <i>Acta Physica Polonica A</i> , 2018 , 134, 1063-1065	0.6	
94	Mössbauer spectroscopy of Mg Cu Zn Fe O (x=0.0, 0.2 and 0.5) ferrites system irradiated by γ -rays. <i>Physica B: Condensed Matter</i> , 2018 , 530, 195-200	2.8	30
93	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> , 2018 , 758, 122-130	5.7	13
92	Bulk and local properties of intermetallic GdAgSn compound. <i>Journal of Physics: Conference Series</i> , 2017 , 903, 012029	0.3	
91	Mössbauer and heat capacity studies of ErZnSn ₂ . <i>Nukleonika</i> , 2017 , 62, 129-133	1	
90	The continuous conversion of ethanol and water mixtures into hydrogen over Fe _x O _y /MoO ₃ catalytic system [XPS and Mössbauer studies. <i>Journal of Molecular Catalysis A</i> , 2016 , 423, 92-104		19
89	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> , 2016 , 48, 527-531	1.5	4
88	Nature of the active sites in CO oxidation on FeSiBEA zeolites. <i>Applied Catalysis A: General</i> , 2016 , 519, 16-26	5.1	15
87	Structural rearrangements in Fe-porous clay heterostructures composites derived from Laponite [Influence of preparation methods and Fe source. <i>Microporous and Mesoporous Materials</i> , 2016 , 231, 66-81	5.3	11
86	Magnetic properties of the selected phases from the EuAgAl and EuAgGa systems. <i>Journal of Alloys and Compounds</i> , 2015 , 650, 572-577	5.7	3
85	Analysis of heat capacity and Mössbauer data for LuZnSn ₂ compound. <i>Nukleonika</i> , 2015 , 60, 97-101	1	1

84	The influence of an antitumor lipid - erucylphosphocholine - on artificial lipid raft system modeled as Langmuir monolayer. <i>Molecular Membrane Biology</i> , 2015 , 32, 189-97	3.4	8
83	Influence of iron state and acidity of zeolites on the catalytic activity of FeHBEA, FeHZSM-5 and FeHMOR in SCR of NO with NH ₃ and N ₂ O decomposition. <i>Microporous and Mesoporous Materials</i> , 2015 , 203, 73-85	5.3	77
82	The influence of the preparation procedures on the catalytic activity of Fe-BEA zeolites in SCR of NO with ammonia and N ₂ O decomposition. <i>Catalysis Today</i> , 2014 , 235, 210-225	5.3	43
81	TbRhSn and DyRhSn Detailed magnetic and ¹¹⁹ Sn Mössbauer spectroscopic studies. <i>Intermetallics</i> , 2014 , 46, 56-64	3.5	6
80	Affinity of alkylphosphocholines to biological membrane of prostate cancer: studies in natural and model systems. <i>Journal of Membrane Biology</i> , 2014 , 247, 581-9	2.3	10
79	Interactions between Antitumor Alkylphosphocholines and Membrane Sphingolipids in Langmuir Monolayers. <i>Acta Physica Polonica A</i> , 2014 , 125, 886-890	0.6	1
78	Interactions of alkylphosphocholines with model membranes-the Langmuir monolayer study. <i>Journal of Membrane Biology</i> , 2013 , 246, 453-66	2.3	27
77	Identification of iron species in FeSiBEA by DR UV-vis, XPS and Mössbauer spectroscopy: Influence of Fe content. <i>Microporous and Mesoporous Materials</i> , 2013 , 168, 1-6	5.3	59
76	BEA zeolite modified with iron as effective catalyst for N ₂ O decomposition and selective reduction of NO with ammonia. <i>Applied Catalysis B: Environmental</i> , 2013 , 138-139, 434-445	21.8	37
75	On the new ternary RZnSn ₂ compounds with HfCuSi ₂ structure type. <i>Intermetallics</i> , 2012 , 20, 176-182	3.5	5
74	Crystal structure and magnetic properties of GdZn ₂ Ga ₂ . <i>Intermetallics</i> , 2012 , 22, 106-109	3.5	5
73	Probing the SmRhSn magnetic state by AC/DC magnetic measurements and ¹¹⁹ Sn Mössbauer spectroscopy. <i>Intermetallics</i> , 2012 , 22, 154-159	3.5	4
72	Thermodynamic Properties of RZnSn ₂ (R = Y, Er, Lu) Compounds with HfCuSi ₂ Structure Type. <i>Solid State Phenomena</i> , 2012 , 194, 67-70	0.4	2
71	Langmuir Monolayer Characteristics of Erucylphosphocholine - A Novel Anti-Tumor Drug. <i>Acta Physica Polonica A</i> , 2012 , 121, 468-473	0.6	3
70	Electronic and Magnetic Properties of Ternary Stannides RERhSn (RE = Tb, Dy and Ho). <i>Solid State Phenomena</i> , 2011 , 170, 74-77	0.4	6
69	¹¹⁹ Sn Mössbauer spectroscopy in the heavy f fermion ferrimagnet UCu ₅ Sn. <i>Journal of Physics: Conference Series</i> , 2010 , 217, 012136	0.3	2
68	¹¹⁹ Sn Mössbauer spectroscopy of the intermetallic compound HoRhSn. <i>Intermetallics</i> , 2010 , 18, 129-133	3.5	10
67	Ferromagnetic Ordering in GdPdCd. <i>ChemInform</i> , 2010 , 33, 14-14		

66	155Gd Mössbauer Spectroscopy on Intermetallics – An Overview. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2010 , 636, 2244-2255	1.3	11
65	Magnetic properties of GdPt4In. <i>Solid State Sciences</i> , 2009 , 11, 1680-1685	3.4	1
64	Bulk and local properties of DyRhSn. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 81-83	5.7	8
63	Mössbauer and magnetic characterization of TbRhSn 2008 , 453-457		
62	On crystal structures of the R5CoSb2 ternary phases (R=Gd, Tb, Dy, Ho, Er). <i>Journal of Alloys and Compounds</i> , 2008 , 450, 272-275	5.7	6
61	The crystal structure and magnetic properties of the Gd6Cr4Al43 compound. <i>Journal of Alloys and Compounds</i> , 2008 , 450, 114-117	5.7	5
60	Crystal Structure, Chemical Bonding, and Magnetic Hyperfine Interactions in GdRu2SiC. <i>Chemistry of Materials</i> , 2008 , 20, 1381-1389	9.6	3
59	Hyperfine interactions studied by 119Sn Mössbauer spectroscopy in SmRhSn. <i>Hyperfine Interactions</i> , 2008 , 184, 33-38	0.8	4
58	Mössbauer and magnetic characterization of TbRhSn. <i>Hyperfine Interactions</i> , 2008 , 184, 39-43	0.8	8
57	Electronic and magnetic properties of ternary stannides RERhSn (RE=light rare-earth metals). <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, L18-L20	2.8	16
56	Puzzling Magnetism of Gd3Cu4Sn4. <i>Acta Physica Polonica A</i> , 2008 , 114, 1501-1508	0.6	5
55	Hyperfine interactions studied by 119Sn Mössbauer spectroscopy in SmRhSn 2008 , 447-452		
54	Structure and properties of Gd4Pd10In21. <i>Solid State Sciences</i> , 2007 , 9, 173-184	3.4	7
53	Crystal structures of T(T?, X)3 and T(T?, X)2 ternary compounds (T = Ti, Zr; T? = Au, Pt, Pd; X = Al, Ga). <i>Journal of Alloys and Compounds</i> , 2007 , 428, 90-93	5.7	2
52	The crystal structures of the equiatomic TT?X compounds (T=Ti, Zr, Hf; T?=Au, Pt, Pd; X=Al, Ga). <i>Journal of Alloys and Compounds</i> , 2007 , 431, 130-135	5.7	8
51	The crystal structure and magnetic properties of the GdV2Al20 and GdCr2Al20 ternary compounds. <i>Journal of Alloys and Compounds</i> , 2007 , 442, 334-336	5.7	24
50	The crystal structure of the new Gd5CoSb2, Gd5NiSb2 and Gd5Au2Sb ternary phases. <i>Journal of Alloys and Compounds</i> , 2007 , 442, 337-340	5.7	5
49	Crystal structures of R5Au2X ternary compounds (R=Gd, Tb, Dy, Ho, Er; X=Sb, Bi). <i>Journal of Alloys and Compounds</i> , 2007 , 438, L4-L6	5.7	4

48	Crystal structures of Hf(T,X) ₃ and Hf(T,X) ₂ ternary compounds (T = Au, Pt, Pd; X = Al, Ga). <i>Journal of Alloys and Compounds</i> , 2007 , 438, L7-L11	5-7	1
47	The crystal structure and magnetic properties of the GdCr _x Al _{12-x} (x = 3.5 and 4.0) intermetallics. <i>Journal of Alloys and Compounds</i> , 2007 , 438, L12-L15	5-7	6
46	Magnetic properties and ¹⁵⁵ Gd Mössbauer spectroscopy of LT-GdNiIn ₂ . <i>Solid State Sciences</i> , 2006 , 8, 548-555	3-4	3
45	Magnetic ordering in NdRhSn. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 301, 359-370	2.8	21
44	Chemical Bonding, Magnetic and Spectroscopic Properties of GdRu ₂ SiC. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 2114-2114	1-3	
43	¹¹⁹ Sn Mössbauer studies of the DyAgSn and DyAuSn compounds. <i>Journal of Alloys and Compounds</i> , 2005 , 390, 9-15	5-7	10
42	Hyperfine interactions studied by ¹¹⁹ Sn Mössbauer spectroscopy in TbAuSn and TmAuSn compounds. <i>Journal of Alloys and Compounds</i> , 2005 , 400, 16-22	5-7	7
41	Structure, magnetic properties and Mössbauer spectroscopy of GdRhSn. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 2077-2090	3-3	25
40	Structure, magnetic properties and ¹¹⁹ Sn Mössbauer spectroscopy of PrRhSn. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3101-3109	3-3	21
39	Structure, Chemical Bonding and ¹¹⁹ Sn Mössbauer Spectroscopy of LaRhSn and CeRhSn. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2005 , 60, 1036-1042	1	25
38	Antiferromagnetic Ordering in GdRhIn ₅ . <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2004 , 59, 947-957	1	14
37	Magnetism and ¹⁵⁵ Gd Mössbauer spectroscopy of GdAuMg. <i>Solid State Sciences</i> , 2004 , 6, 301-309	3-4	22
36	Antiferromagnetic Ordering in GdRhIn ₅ . <i>ChemInform</i> , 2004 , 35, no		1
35	Magnetic ordering in GdAuCd. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 280, 90-100	2.8	13
34	Magnetic and ¹¹⁹ Sn Mössbauer studies of the HoAuSn compound. <i>Journal of Alloys and Compounds</i> , 2004 , 383, 265-268	5-7	7
33	Local properties of SmT ₂ Sn (T=Ag, Au) compounds as seen by Mössbauer spectroscopy. <i>Journal of Alloys and Compounds</i> , 2004 , 383, 269-272	5-7	4
32	Magnetic and spectroscopic properties of NdT ₂ Sn (T = Ag, Au) compounds. <i>Journal of Alloys and Compounds</i> , 2004 , 385, 64-73	5-7	8
31	Ferromagnetic ordering in GdPdCd. <i>Solid State Sciences</i> , 2002 , 4, 609-617	3-4	19

30	Structure and Properties of GdTMg (T=Pd, Ag, Pt). <i>Journal of Solid State Chemistry</i> , 2002 , 168, 331-342	3.3	28
29	Magnetism and hyperfine interactions in Gd ₂ Ni ₂ Mg. <i>Solid State Sciences</i> , 2001 , 3, 545-558	3.4	29
28	Magnetic susceptibility and ¹¹⁹ Sn Mössbauer spectroscopy studies of RAuSn compounds (R=La, Ce, Pr). <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 224, 241-248	2.8	16
27	¹¹⁹ Sn Mössbauer spectroscopy studies of RAgSn compounds (R=La, Ce, Pr). <i>Journal of Alloys and Compounds</i> , 2001 , 319, 43-49	5.7	10
26	Magnetism of ErAgSn studied by ¹¹⁹ Sn Mössbauer spectroscopy 2000 , 126, 299-303		5
25	Structure, Chemical Bonding, Magnetic Susceptibility, and ¹⁵⁵ Gd Mössbauer Spectroscopy of the Antiferromagnets GdAgGe, GdAuGe, GdAu _{0.44} (1)In _{1.56} (1), and GdAuIn. <i>Journal of Solid State Chemistry</i> , 1998 , 141, 352-364	3.3	20
24	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> , 1998 , 13, 305-312	3.5	13
23	Magnetic properties of UTSn compounds (T=Co, Rh, Ir, Ru) studied by ¹¹⁹ Sn Mössbauer spectroscopy. <i>Physical Review B</i> , 1997 , 55, 5851-5857	3.3	16
22	Crystal and magnetic properties of GdTSn compounds (T = Ag, Au). <i>Journal of Alloys and Compounds</i> , 1997 , 262-263, 108-113	5.7	24
21	Properties of SmT ₂ Sn ₂ (T = Ni,Cu) Phases. <i>Acta Physica Polonica A</i> , 1997 , 92, 319-322	0.6	
20	¹¹⁹ Sn Mössbauer study of the compound UAuSn. <i>Journal of Alloys and Compounds</i> , 1996 , 232, L8-L11	5.7	10
19	Local picture of the magnetism of intermediate valence EuCu ₂ □Ag Si ₂ phases. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 1235-1236	2.8	
18	X-ray and neutron diffraction studies of UPdSn. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 151, 102-110	2.8	10
17	¹¹⁹ Sn Mössbauer studies of the UCu ₁ +Sn ₁ □(x=0, 0.1) system. <i>Journal of Alloys and Compounds</i> , 1995 , 219, 256-259	5.7	6
16	Magnetic properties and ¹¹⁹ Sn hyperfine interactions investigated in RCoSn (R=Tb, Dy, Ho, Er) compounds. <i>Journal of Physics Condensed Matter</i> , 1994 , 6, 11127-11139	1.8	7
15	Europium valence transition in EuCu ₂ Si ₂ and EuPd ₂ Si ₂ investigated with ¹¹⁹ Sn Mössbauer spectroscopy. <i>Journal of Alloys and Compounds</i> , 1992 , 178, 423-429	5.7	1
14	Magnetic properties of RIrSi ₃ (R = Gd, Dy) from Mössbauer spectroscopy and magnetization measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 1991 , 99, 95-102	2.8	9
13	Superconductivity in the (Gd _{1-x} Pr _x)Ba ₂ Cu ₃ O _{7-δ} system. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 174, 71-80	1.3	27

12	Investigation of the praseodymium role in superconductivity of $(\text{Eu}_{1-x}\text{Pr}_x)\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ and related compounds. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 171, 287-292	1.3	26
11	Structural and magnetic properties of RE_2Sn_2 compounds (RE=La, Ce, Sm; T=Ni, Cu). <i>Hyperfine Interactions</i> , 1989 , 50, 723-728	0.8	6
10	^{59}Co nuclear magnetic resonance study in GdCo_2Si_2 compound. <i>Hyperfine Interactions</i> , 1989 , 51, 967-970.	0.8	2
9	A study of compounds Gd_2Si_2 by Mössbauer spectroscopy and by bulk magnetization measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 1989 , 79, 42-56	2.8	93
8	Mössbauer study of hyperfine field distribution in Co_2TiSn . <i>Hyperfine Interactions</i> , 1986 , 28, 603-606	0.8	4
7	Magnetic ordering in the system $\text{Co}_{2-x}\text{Ni}_x\text{TiSn}$ studied by ^{119}Sn -Mössbauer spectroscopy and magnetization measurements. <i>Solid State Communications</i> , 1978 , 25, 661-663	1.6	8
6	Resonant self-absorption correction for $\text{Ba}^{119\text{m}}\text{SnO}_3$ Mössbauer sources. <i>Physica Status Solidi (B): Basic Research</i> , 1977 , 79, K137-K138	1.3	1
5	Magnetic hyperfine field distribution at the tin site in the Cl structure alloys IrMnSn and PtMnSn . <i>Physica Status Solidi A</i> , 1975 , 30, 331-336		10
4	Mössbauer effect studies in EuIn_3 and EuPb_3 . <i>Physica Status Solidi A</i> , 1975 , 30, K17-K20		1
3	Transferred hyperfine fields at the tin site in the heusler-type alloys Co_2YSn (Y = Ti, Zr, Hf, V). <i>Physica Status Solidi A</i> , 1975 , 30, 765-770		13
2	Quadrupole moment ratio for the 86.5 keV transition in ^{155}Gd and the Goldanski-Karyagin effect for $\text{Sm}_2\text{Sn}_2\text{O}_7$. <i>Physica Status Solidi (B): Basic Research</i> , 1975 , 68, K125-K128	1.3	6
1	The Mössbauer Effect in Eu_3S_4 at Low Temperatures. <i>Physica Status Solidi (B): Basic Research</i> , 1974 , 64, K147-K151	1.3	24