Andrzej Szajek

List of Publications by Year
in descending order

109	771	566801 15	642321 23
papers	citations	h-index	g-index

115	115	115	635
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The electronic and electrochemical properties of the LaNi5, LaNi4Al and LaNi3AlCo systems. Journal of Alloys and Compounds, 2000, 307, 290-296.	2.8	34
2	The electronic and magnetic properties of Yn+1Co3n+5B2n (n=0, 1, 2, 3, and â^ž) systems. Journal of Magnetism and Magnetic Materials, 1998, 185, 322-330.	1.0	33
3	Electronic structure of superconducting non-oxide perovskite MgCNi3. Journal of Physics Condensed Matter, 2001, 13, L595-L600.	0.7	32
4	Nanocrystalline materials for Niâ€“MH batteries. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 108, 67-75.	1.7	31
5	Electrochemical and electronic properties of nanocrystalline Mg-based hydrogen storage materials. Journal of Alloys and Compounds, 2007, 436, 345-350.	2.8	30
6	Hydrogen storage by Mg-based nanocomposites. International Journal of Hydrogen Energy, 2012, 37, 3652-3658.	3.8	29
7	The electronic and electrochemical properties of the TiFe-based alloys. Journal of Alloys and Compounds, 2003, 348, 285-292.	2.8	28
8	The influence of partial substitution of Co by Al atoms on the magnetic properties of DyCo2 compound. Journal of Magnetism and Magnetic Materials, 1997, 166, 237-242.	1.0	23
9	Magnetic properties and electronic structures of intermediate valence systems CeRhSi₂and Ce₂Rh₃Si₅. Journal of Physics Condensed Matter, 2010, 22, 215601.	0.7	23
10	Spin wave spectrum and magnetization of ferromagnetic modulated films. Journal of Magnetism and Magnetic Materials, 1988, 71, 299-305.	1.0	22
11	Electronic structure, magnetic, and transport studies of single-crystallineUCoGa5. Physical Review B, 2004, 70, .	1.1	22
12	Giant crystal-electric-field effect and complex magnetic behavior in single-crystalline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CeRh</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:m Physical Review B, 2010, 81, .	1.1	20
13	Electrochemical and electronic properties of nanocrystalline TiNi1â^'xMx (M=Mg, Mn, Zr; x=0, 0.125,) Tj ETQq1 1 0.784314 rgBT /Ove	2.8	19
14	X-ray photoemission spectra of La0.7Sr0.3MnO3 perovskite. Journal of Magnetism and Magnetic Materials, 2000, 212, 107-111.	1.0	18
15	Temperature behavior of magnetization of DyCo2 compound. Journal of Magnetism and Magnetic Materials, 1996, 152, L279-L281.	1.0	15
16	X-ray photoemission spectrum, electronic structure, and magnetism of UCu2Si2. Journal of Alloys and Compounds, 2011, 509, 6994-6998.	2.8	15
17	Electronic structure of UGe2 at ambient pressure: Comparison with X-ray photoemission spectra. Intermetallics, 2011, 19, 1411-1419.	1.8	15
18	Effect of substitution La by Mg on electrochemical and electronic properties in La2â^'Mg Ni7 alloys: a combined experimental and ab initio studies. Journal of Alloys and Compounds, 2018, 763, 951-959.	2.8	15

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19	The electronic and magnetic properties of the metamagnetic ordered alloy FeRh. Physica B: Condensed Matter, 1994, 193, 81-91.	1.3	14
20	Induced magnetic ordering in alloyed compounds based on Pauli paramagnet YCo2. Journal of Applied Physics, 2014, 115, .	1.1	14
21	The electronic and electrochemical properties of the LaNi5-based alloys. Physica Status Solidi A, 2003, 196, 252-255.	1.7	13
22	Electronic structure in ternary intermetallic Pd2TiX (X=Al,Ga,In) Heusler-type alloys: are they magnetic?. Journal of Physics Condensed Matter, 1995, 7, 4447-4456.	0.7	12
23	X-ray photoemission spectra and electronic structure of GdCo4B. Solid State Communications, 2001, 120, 407-411.	0.9	12
24	Magnetic properties and electronic structure of GdNi4Si compound. Journal of Magnetism and Magnetic Materials, 2006, 305, 348-351.	1.0	12
25	Effect of Gd and Co content on electrochemical and electronic properties of La1.5Mg0.5Ni7 alloys: A combined experimental and first-principles study. Journal of Alloys and Compounds, 2019, 773, 131-139.	2.8	11
26	On a structural phase transition in the ordered FeRh alloy. Solid State Communications, 1994, 92, 731-734.	0.9	10
27	Electronic structure of La0.65Pb0.35MnO3 perovskite studied by X-ray photoemission spectroscopy. Journal of Magnetism and Magnetic Materials, 2000, 217, 44-48.	1.0	10
28	Magnetic, transport and electronic structure properties of U2RuGa8. Physica B: Condensed Matter, 2005, 359-361, 1375-1377.	1.3	10
29	Electronic structure of the heavy fermion superconductor Ce2PdIn8: Experiment and calculations. Journal of Alloys and Compounds, 2015, 647, 605-611.	2.8	10
30	Phase diagram of the metamagnetic FeRh. Journal of Magnetism and Magnetic Materials, 1992, 115, 171-173.	1.0	9
31	Electronic structure and the x-ray photoemission spectrum of the Kondo-dense compoundUCu5Al. Physical Review B, 2001, 64, .	1.1	9
32	Electronic structure and photoemission studies on Kondo semimetal U $mathsf{_2}$ Ru $mathsf{_2}$ Sn. European Physical Journal B, 2003, 35, 349-355.	0.6	9
33	Nanogranular FexNi23â^'xB6 phase formation during devitrificationof nickel-rich Ni64Fe16Zr7B12Au1 amorphous alloy. Applied Physics Letters, 2004, 85, 1392-1394.	1.5	9
34	Electronic structure of doped LaMnO3perovskite studied by x-ray photoemission spectroscopy. Journal of Physics Condensed Matter, 2001, 13, 5519-5525.	0.7	8
35	Electronic band structure and the X-ray photoemission spectrum of UCu₅In. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 1893-1906.	0.6	8
36	Dense Kondo compound UCu5Sn - electronic structure and x-ray photoemission. Journal of Physics Condensed Matter, 2002, 14, 3199-3209.	0.7	8

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37	Electronic band structure of PuCoGa5. Journal of Physics Condensed Matter, 2003, 15, L155-L159.	0.7	8
38	Electronic Structure of Mg₂Ni_{1-x}Cu_x. Acta Physica Polonica A, 2009, 115, 223-225.	0.2	8
39	The electronic and electrochemical properties of the ZrV2 and Zr(V0.75Ni0.25)2 systems. Journal of Alloys and Compounds, 2000, 302, 299-303.	2.8	7
40	Electronic structure and X-ray photoemission spectra of the compounds APtSn I (A=Th, U). Journal of Magnetism and Magnetic Materials, 2004, 281, 281-289.	1.0	7
41	X-ray photoemission spectra and electronic band structure of the ternary compounds U3M2M3â€², M = Al, Ga, Mâ€² = Si, Ge. Journal of Alloys and Compounds, 2005, 386, 75-81.	2.8	7
42	Calculated electronic structure and measured X-ray photoemission spectrum of UAuSb2. Journal of Alloys and Compounds, 2007, 443, 20-25.	2.8	7
43	The electronic and superconducting properties of ordered Ti-Rh alloys. Journal of Physics Condensed Matter, 1991, 3, 1089-1098.	0.7	6
44	The electronic densities of states in the ordered Zrî—¸Rh alloys. Solid State Communications, 1989, 71, 917-922.	0.9	5
45	Crystal and electronic structure and magnetic properties of CeRhPb. Journal of Physics and Chemistry of Solids, 2008, 69, 1934-1939.	1.9	5
46	Influence of local environment on electronic properties of Co atoms in the Tm3Co11B4 compound. Journal of Magnetism and Magnetic Materials, 2001, 223, 119-126.	1.0	4
47	X-ray photoemission spectra of UCo4B compound. Journal of Magnetism and Magnetic Materials, 2001, 236, 243-248.	1.0	4
48	Electronic band structure and the X-ray photoemission spectrum of UCu₅In. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2002, 82, 1893-1906.	0.6	4
49	Electronic properties of Nd3Co13B2 compound. Solid State Communications, 2004, 132, 225-228.	0.9	4
50	Local environment effects in Y2Fe14B-based compounds. Journal of Magnetism and Magnetic Materials, 1991, 97, 187-192.	1.0	3
51	Electronic Structure of Uranium Digermanide. Crystal Research and Technology, 2001, 36, 1105-1112.	0.6	3
52	Electronic properties of LaNi 5- type alloys. European Physical Journal D, 2002, 52, A209-A212.	0.4	3
53	Neutron-diffraction studies of R3Co8Sn4 (R=Y, Tb, Ho, Er) compounds. Physica B: Condensed Matter, 2004, 350, E123-E125.	1.3	3
54	Nanogranular Phase Formation During Devitrification of Fe(NiCo)ZrB Amorphous Alloys. European Physical Journal D, 2004, 54, 59-66.	0.4	3

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55	Electronic structure of YbNi4B compound: experiment and theory. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E477-E478.	1.0	3
56	Structure and paramagnetism in weakly correlated Y₈Co₅. Journal of Physics Condensed Matter, 2013, 25, 125701.	0.7	3
57	First principles calculations of electronic structure and magnetic properties of UCuSb2. Computational Materials Science, 2014, 81, 402-409.	1.4	3
58	XPS Valence Band Studies of LaNi_{5-x}M_x(M = Al, Co; x = 0, ,1) Alloy Thin Films. Acta Physica Polonica A, 2015, 127, 430-432.	0.2	3
59	Thermoelectric properties of CeNi2Al3 compound: an experimental and theoretical study. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	3
60	Electronic and Magnetic Properties of ThCo₄B. Acta Physica Polonica A, 2008, 113, 283-286.	0.2	3
61	Electronic Structure and X-Ray Photoemission Spectra of MPtSn (M = Ti, Zr, Hf). Acta Physica Polonica A, 2009, 115, 935-940.	0.2	3
62	Electronic Structure of UCo4B Compound. Acta Physica Polonica A, 2000, 98, 599-603.	0.2	3
63	The magnetic properties of the Laves-phase system Dy(Co1-Al)2. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 723-724.	1.0	2
64	Electronic band structure calculation and nuclear spin-lattice relaxation in chromium hydrides. Journal of Alloys and Compounds, 2002, 340, 67-73.	2.8	2
65	The electronic and electrochemical properties of the TiFe1xNix alloys. Physica Status Solidi A, 2003, 196, 256-259.	1.7	2
66	Electronic structure of the uranium monostannide USn. Physica Status Solidi (B): Basic Research, 2003, 236, 552-555.	0.7	2
67	Electron-transport Properties and Electronic Structure of HoCo3 Compound. European Physical Journal D, 2004, 54, 323-326.	0.4	2
68	Is UPtSn a Nonmagnetic Semiconductor or a Metallic Antiferromagnet?. European Physical Journal D, 2004, 54, 379-382.	0.4	2
69	Magnetic susceptibility, transport properties, XPS and electronic structure of UCoGa5. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E323-E324.	1.0	2
70	Electronic structure of the uranium monogermanide UGe. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E347-E349.	1.0	2
71	Electronic structure calculations and electrical resistivity of Dy(Co1â€“xMx)2 (M = Ni, Cu). Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 183-186.	0.8	2
72	Ab initio study of pressure-induced phase transition, band gaps and X-ray photoemission valence band spectra of YVO4. Computational Materials Science, 2016, 117, 98-102.	1.4	2

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73	Study on CePtIn4 grown in a platelet-like morphology. Solid State Communications, 2019, 302, 113717.	0.9	2
74	Effect of Al Substitution on the Electronic and Magnetic Properties of GdCo5. Acta Physica Polonica A, 2002, 101, 525-536.	0.2	2
75	Effect of Hydrogenation on the Electronic Structure of HoNiSn - Ab Initio Calculations. Acta Physica Polonica A, 2010, 118, 346-349.	0.2	2
76	Electronic Properties of CeNiAl4 Based on ab initio Calculations and XPS Measurements. Acta Physica Polonica A, 2018, 133, 517-519.	0.2	2
77	Band Structure of Dilute Metastable Co-Ag Alloys. Acta Physica Polonica A, 2000, 98, 447-455.	0.2	2
78	Electronic Structure and Magnetic Properties Î¿f the UCoAs2Compound. Acta Physica Polonica A, 2009, 115, 244-246.	0.2	2
79	X-Ray Photoemission Valence Band Spectrum of La0.6Sr0.4MnO3 Perovskite. Physica Status Solidi (B): Basic Research, 2000, 220, r9-r10.	0.7	1
80	Spin-reorientation transition and electronic structure of TmCo3 compound. Journal of Magnetism and Magnetic Materials, 2002, 246, 425-433.	1.0	1
81	Properties of the UFe5Sn compound: electronic structureand X-ray photoemission. Physica Status Solidi (B): Basic Research, 2003, 236, 548-551.	0.7	1
82	Electrical Resistivity and Electronic Structure of Nd3Co13B2 Compound. European Physical Journal D, 2004, 54, 343-346.	0.4	1
83	Ab-initio electronic structure calculations for Pr3Co13B2 and Pr5Co19B6 compounds. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 238-242.	0.8	1
84	Nanocomposite Hydride LaNi₅/A- and Mg₂Ni/A-Type Materials (A=C, Cu, Pd). Materials Science Forum, 2009, 610-613, 472-479.	0.3	1
85	Intermediate valence of CeNi2Al3 compound and its evidences: Theoretical and experimental approach. Journal of Physics and Chemistry of Solids, 2020, 145, 109576.	1.9	1
86	The Electronic and Magnetic Properties Î¿f YbxGd1-xNi5Systems. Acta Physica Polonica A, 2010, 118, 905-906.	0.2	1
87	The Electronic and Magnetic Properties Î¿f UNiAs₂Antiferromagnet. Acta Physica Polonica A, 2010, 118, 413-416.	0.2	1
88	XPS and UPS Valence Band Studies of Nanocrystalline Ni-Ti Alloy Thin Films. Acta Physica Polonica A, 2018, 133, 613-616.	0.2	1
89	Influence of Valence Band Modifications on Hydrogen Absorption in Zr-Pd Alloy Thin Films. Acta Physica Polonica A, 2018, 133, 620-623.	0.2	1
90	Electronic structure of YbFe4Al8 antiferromagnet: A combined X-ray photoelectron spectroscopy and first-principles study. Journal of Alloys and Compounds, 2022, 910, 164478.	2.8	1

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91	Core photoemission spectra of oxygen atoms in perovskite manganites La 1â^'x A x MnO 3 (A=Sr, Pb). European Physical Journal D, 2002, 52, A261-A264.	0.4	0
92	Preface: phys. stat. sol. (a) 196/1. Physica Status Solidi A, 2003, 196, 11-11.	1.7	0
93	Preface: phys. stat. sol. (b) 236/2. Physica Status Solidi (B): Basic Research, 2003, 236, 231-231.	0.7	0
94	The European Conference Physics of Magnetism (PM'05) PoznaÅ„, Poland, 24â€"27 June 2005. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 362-364.	0.8	0
95	Electronic structure of URuGa5 and UIrGa5. Physica Status Solidi (B): Basic Research, 2006, 243, 361-363.	0.7	0
96	The European Conference Physics of Magnetism (PM'05) PoznaÅ„, Poland, 24â€"27 June 2005. Physica Status Solidi (B): Basic Research, 2006, 243, 746-748.	0.7	0
97	Electrochemical and Electronic Properties of Nanocrystalline TiNi1-xMx (M: Mg, Mn, Zr; x = 0, 0.125,) Tj ETQq1 1 0.784314 rgBT /Over	0.1	0
98	Electronic structure and photoemission spectrum of UCo4B compound. Journal of Alloys and Compounds, 2007, 442, 272-274.	2.8	0
99	Occupation deficiency in layered structures of UNi x Sb 2 (0â©½xâ©½1) studied by density functional theory supercell calculations. Computational Materials Science, 2017, 134, 166-170.	1.4	0
100	Dynamic Crystal Field in CePb₃. Acta Physica Polonica A, 2000, 97, 245-248.	0.2	0
101	Electronic Structure and Transport Properties of UFe2System. Acta Physica Polonica A, 2000, 97, 815-818.	0.2	0
102	The Electronic and Magnetic Properties of the USn2Compound. Acta Physica Polonica A, 2004, 105, 485-493.	0.2	0
103	Magnetic Properties of the U5Ge4Compound Based on Ab initio Calculations. Acta Physica Polonica A, 2009, 115, 251-253.	0.2	0
104	The Electronic and Magnetic Properties of UGe Compound. Acta Physica Polonica A, 2010, 118, 886-887.	0.2	0
105	Electronic Structure and Magnetic Properties of Ce₅CuPb₃Based on Ab Initio Calculations. Acta Physica Polonica A, 2012, 121, 1182-1184.	0.2	0
106	Electronic Structure and Magnetic Properties of the UPdAs₂Compound. Acta Physica Polonica A, 2012, 121, 1148-1150.	0.2	0
107	X-Ray Photoemission Spectra of Dy(Co_{1-x}Al_x)₂Systems. Acta Physica Polonica A, 1997, 91, 439-442.	0.2	0
108	Electronic Band Structure and Calculated Photoemission Spectra of USi3Compound. Acta Physica Polonica A, 1997, 92, 303-306.	0.2	0

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109	XPS and UPS Valence Band Studies of Nanocrystalline Niâ€“Ti Alloy Thin Films. Acta Physica Polonica A 133, 613 (2018), ERRATUM. Acta Physica Polonica A, 2020, 138, 570-570.	0.2	0