

Andrzej Szajek

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/7168558/andrzej-szajek-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

107
papers

678
citations

14
h-index

20
g-index

115
ext. papers

713
ext. citations

2.5
avg, IF

3.61
L-index

#	Paper	IF	Citations
107	Electronic structure of YbFe ₄ Al ₈ antiferromagnet: A combined X-ray photoelectron spectroscopy and first-principles study. <i>Journal of Alloys and Compounds</i> , 2022 , 164478	5.7	
106	Intermediate valence of CeNi ₂ Al ₃ compound and its evidences: Theoretical and experimental approach. <i>Journal of Physics and Chemistry of Solids</i> , 2020 , 145, 109576	3.9	
105	XPS and UPS Valence Band Studies of Nanocrystalline Ni ₃ Ti Alloy Thin Films. <i>Acta Physica Polonica A</i> 133, 613 (2018), ERRATUM. <i>Acta Physica Polonica A</i> , 2020 , 138, 570-570	0.6	
104	Study on CePtIn ₄ grown in a platelet-like morphology. <i>Solid State Communications</i> , 2019 , 302, 113717	1.6	2
103	Thermoelectric properties of CeNi ₂ Al ₃ compound: an experimental and theoretical study. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	2
102	Effect of Gd and Co content on electrochemical and electronic properties of La _{1.5} Mg _{0.5} Ni ₇ alloys: A combined experimental and first-principles study. <i>Journal of Alloys and Compounds</i> , 2019 , 773, 131-139	5.7	8
101	Effect of substitution La by Mg on electrochemical and electronic properties in La ₂ Mg Ni ₇ alloys: a combined experimental and ab initio studies. <i>Journal of Alloys and Compounds</i> , 2018 , 763, 951-959	5.7	13
100	Electronic Properties of CeNiAl ₄ Based on ab initio Calculations and XPS Measurements. <i>Acta Physica Polonica A</i> , 2018 , 133, 517-519	0.6	2
99	XPS and UPS Valence Band Studies of Nanocrystalline Ni-Ti Alloy Thin Films. <i>Acta Physica Polonica A</i> , 2018 , 133, 613-616	0.6	1
98	Influence of Valence Band Modifications on Hydrogen Absorption in Zr-Pd Alloy Thin Films. <i>Acta Physica Polonica A</i> , 2018 , 133, 620-623	0.6	1
97	Occupation deficiency in layered structures of UNi _x Sb ₂ (0 ≤ x ≤ 1) studied by density functional theory supercell calculations. <i>Computational Materials Science</i> , 2017 , 134, 166-170	3.2	
96	Ab initio study of pressure-induced phase transition, band gaps and X-ray photoemission valence band spectra of YVO ₄ . <i>Computational Materials Science</i> , 2016 , 117, 98-102	3.2	2
95	Electronic structure of the heavy fermion superconductor Ce ₂ PdIn ₈ : Experiment and calculations. <i>Journal of Alloys and Compounds</i> , 2015 , 647, 605-611	5.7	8
94	XPS Valence Band Studies of LaNi _{5-x} M _x (M = Al, Co; x = 0, 1) Alloy Thin Films. <i>Acta Physica Polonica A</i> , 2015 , 127, 430-432	0.6	3
93	First principles calculations of electronic structure and magnetic properties of UCuSb ₂ . <i>Computational Materials Science</i> , 2014 , 81, 402-409	3.2	3
92	Induced magnetic ordering in alloyed compounds based on Pauli paramagnet YCo ₂ . <i>Journal of Applied Physics</i> , 2014 , 115, 17E129	2.5	14
91	Structure and paramagnetism in weakly correlated Y ₈ Co ₅ . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 125701	1.8	3

90	Hydrogen storage by Mg-based nanocomposites. <i>International Journal of Hydrogen Energy</i> , 2012 , 37, 3652-3658	6.7	26
89	Electronic Structure and Magnetic Properties of Ce ₅ CuPb ₃ Based on Ab Initio Calculations. <i>Acta Physica Polonica A</i> , 2012 , 121, 1182-1184	0.6	
88	Electronic Structure and Magnetic Properties of the UPdAs ₂ Compound. <i>Acta Physica Polonica A</i> , 2012 , 121, 1148-1150	0.6	
87	X-ray photoemission spectrum, electronic structure, and magnetism of UCu ₂ Si ₂ . <i>Journal of Alloys and Compounds</i> , 2011 , 509, 6994-6998	5.7	14
86	Electronic structure of UGe ₂ at ambient pressure: Comparison with X-ray photoemission spectra. <i>Intermetallics</i> , 2011 , 19, 1411-1419	3.5	14
85	Giant crystal-electric-field effect and complex magnetic behavior in single-crystalline CeRh ₃ Si ₂ . <i>Physical Review B</i> , 2010 , 81,	3.3	15
84	Magnetic properties and electronic structures of intermediate valence systems CeRhSi ₂ and Ce ₂ Rh ₃ Si ₅ . <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 215601	1.8	22
83	Effect of Hydrogenation on the Electronic Structure of HoNiSn - Ab Initio Calculations. <i>Acta Physica Polonica A</i> , 2010 , 118, 346-349	0.6	1
82	The Electronic and Magnetic Properties of YbxGd _{1-x} Ni ₅ Systems. <i>Acta Physica Polonica A</i> , 2010 , 118, 905-906		1
81	The Electronic and Magnetic Properties of UNiAs ₂ Antiferromagnet. <i>Acta Physica Polonica A</i> , 2010 , 118, 413-416	0.6	1
80	The Electronic and Magnetic Properties of UGe Compound. <i>Acta Physica Polonica A</i> , 2010 , 118, 886-887	0.6	
79	Nanocomposite Hydride LaNi ₅ /A- and Mg ₂ Ni/A-Type Materials (A=C, Cu, Pd). <i>Materials Science Forum</i> , 2009 , 610-613, 472-479	0.4	1
78	Electronic Structure of Mg ₂ Ni _{1-x} Cux. <i>Acta Physica Polonica A</i> , 2009 , 115, 223-225	0.6	7
77	Electronic Structure and X-Ray Photoemission Spectra of MPtSn (M = Ti, Zr, Hf). <i>Acta Physica Polonica A</i> , 2009 , 115, 935-940	0.6	2
76	Electronic Structure and Magnetic Properties of the UCoAs ₂ Compound. <i>Acta Physica Polonica A</i> , 2009 , 115, 244-246	0.6	2
75	Magnetic Properties of the U ₅ Ge ₄ Compound Based on Ab initio Calculations. <i>Acta Physica Polonica A</i> , 2009 , 115, 251-253	0.6	
74	Crystal and electronic structure and magnetic properties of CeRhPb. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1934-1939	3.9	4
73	Electronic and Magnetic Properties of ThCo ₄ B. <i>Acta Physica Polonica A</i> , 2008 , 113, 283-286	0.6	2

- 72 Electrochemical and electronic properties of nanocrystalline Mg-based hydrogen storage materials. *Journal of Alloys and Compounds*, **2007**, 436, 345-350 5-7 25
- 71 Electronic structure and photoemission spectrum of UCo₄B compound. *Journal of Alloys and Compounds*, **2007**, 442, 272-274 5-7
- 70 Calculated electronic structure and measured X-ray photoemission spectrum of UAuSb₂. *Journal of Alloys and Compounds*, **2007**, 443, 20-25 5-7 6
- 69 Magnetic properties and electronic structure of GdNi₄Si compound. *Journal of Magnetism and Magnetic Materials*, **2006**, 305, 348-351 2.8 10
- 68 Electronic structure calculations and electrical resistivity of Dy(Co_{1-x}M_x)₂ (M = Ni, Cu). *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 183-186 2
- 67 Ab-initio electronic structure calculations for Pr₃Co₁₃B₂ and Pr₅Co₁₉B₆ compounds. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 238-242
- 66 The European Conference Physics of Magnetism (PM05) Poznań Poland, 24-27 June 2005. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2006**, 3, 362-364
- 65 Electronic structure of URuGa₅ and UIrGa₅. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 361-363 1-3
- 64 The European Conference Physics of Magnetism (PM05) Poznań Poland, 24-27 June 2005. *Physica Status Solidi (B): Basic Research*, **2006**, 243, 746-748 1-3
- 63 X-ray photoemission spectra and electronic band structure of the ternary compounds U₃M₂M₃, M = Al, Ga, M₂ = Si, Ge. *Journal of Alloys and Compounds*, **2005**, 386, 75-81 5-7 5
- 62 Electrochemical and electronic properties of nanocrystalline TiNi_{1-x}M_x (M=Mg, Mn, Zr; x=0, 0.125, 0.25) ternary alloys. *Journal of Alloys and Compounds*, **2005**, 403, 323-328 5-7 16
- 61 Magnetic, transport and electronic structure properties of U₂RuGa₈. *Physica B: Condensed Matter*, **2005**, 359-361, 1375-1377 2.8 9
- 60 Electronic structure, magnetic, and transport studies of single-crystalline UCoGa₅. *Physical Review B*, **2004**, 70,
- 59 Nanogranular Fe_xNi_{23-x}B₆ phase formation during devitrification of nickel-rich Ni₆₄Fe₁₆Zr₇B₁₂Au₁ amorphous alloy. *Applied Physics Letters*, **2004**, 85, 1392-1394 3-4 7
- 58 Neutron-diffraction studies of R₃Co₈Sn₄ (R=Y, Tb, Ho, Er) compounds. *Physica B: Condensed Matter*, **2004**, 350, E123-E125 2.8 3
- 57 Nanogranular Phase Formation During Devitrification of Fe(NiCo)ZrB Amorphous Alloys. *European Physical Journal D*, **2004**, 54, 59-66 2
- 56 Electron-transport Properties and Electronic Structure of HoCo₃ Compound. *European Physical Journal D*, **2004**, 54, 323-326 1
- 55 Electrical Resistivity and Electronic Structure of Nd₃Co₁₃B₂ Compound. *European Physical Journal D*, **2004**, 54, 343-346

54	Is UPtSn a Nonmagnetic Semiconductor or a Metallic Antiferromagnet?. <i>European Physical Journal D</i> , 2004 , 54, 379-382		2
53	Nanocrystalline materials for NiMH batteries. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 108, 67-75	3.1	23
52	Electronic properties of Nd ₃ Co ₁₃ B ₂ compound. <i>Solid State Communications</i> , 2004 , 132, 225-228	1.6	3
51	Magnetic susceptibility, transport properties, XPS and electronic structure of UCoGa ₅ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E323-E324	2.8	2
50	Electronic structure of YbNi ₄ B compound: experiment and theory. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E477-E478	2.8	2
49	Electronic structure of the uranium monogermanide UGe. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E347-E349	2.8	2
48	Electronic structure and X-ray photoemission spectra of the compounds APtSn I (A=Th, U). <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 281, 281-289	2.8	7
47	The Electronic and Magnetic Properties of the USn ₂ Compound. <i>Acta Physica Polonica A</i> , 2004 , 105, 485-498		
46	Electronic band structure of PuCoGa ₅ . <i>Journal of Physics Condensed Matter</i> , 2003 , 15, L155-L159	1.8	7
45	Electronic structure and photoemission studies on Kondo semimetal U ₂ Ru ₂ Sn. <i>European Physical Journal B</i> , 2003 , 35, 349-355	1.2	8
44	The electronic and electrochemical properties of the LaNi ₅ -based alloys. <i>Physica Status Solidi A</i> , 2003 , 196, 252-255		12
43	The electronic and electrochemical properties of the TiFe _{1-x} Ni _x alloys. <i>Physica Status Solidi A</i> , 2003 , 196, 256-259		1
42	Properties of the UFe ₅ Sn compound: electronic structure and X-ray photoemission. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 236, 548-551	1.3	1
41	Electronic structure of the uranium monostannide USn. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 236, 552-555	1.3	2
40	The electronic and electrochemical properties of the TiFe-based alloys. <i>Journal of Alloys and Compounds</i> , 2003 , 348, 285-292	5.7	22
39	Electronic properties of LaNi ₅ -type alloys. <i>European Physical Journal D</i> , 2002 , 52, A209-A212		2
38	Core photoemission spectra of oxygen atoms in perovskite manganites La _{1-x} A _x MnO ₃ (A=Sr, Pb). <i>European Physical Journal D</i> , 2002 , 52, A261-A264		
37	Spin-reorientation transition and electronic structure of TmCo ₃ compound. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 246, 425-433	2.8	1

36	Electronic band structure and the X-ray photoemission spectrum of UCu5In. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2002 , 82, 1893-1906		4
35	Electronic band structure and the X-ray photoemission spectrum of UCu5In. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 2002 , 82, 1893-1906		8
34	Dense Kondo compound UCu5Sn - electronic structure and x-ray photoemission. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 3199-3209	1.8	6
33	Electronic band structure calculation and nuclear spin-lattice relaxation in chromium hydrides. <i>Journal of Alloys and Compounds</i> , 2002 , 340, 67-73	5.7	1
32	Effect of Al Substitution on the Electronic and Magnetic Properties of GdCo5. <i>Acta Physica Polonica A</i> , 2002 , 101, 525-536	0.6	2
31	X-ray photoemission spectra and electronic structure of GdCo4B. <i>Solid State Communications</i> , 2001 , 120, 407-411	1.6	10
30	Electronic Structure of Uranium Digermanide. <i>Crystal Research and Technology</i> , 2001 , 36, 1105-1112	1.3	2
29	Influence of local environment on electronic properties of Co atoms in the Tm3Co11B4 compound. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 223, 119-126	2.8	3
28	X-ray photoemission spectra of UCo4B compound. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 236, 243-248	2.8	4
27	Electronic structure and the x-ray photoemission spectrum of the Kondo-dense compound UCu5Al. <i>Physical Review B</i> , 2001 , 64,	3.3	8
26	Electronic structure of doped LaMnO3 perovskite studied by x-ray photoemission spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 5519-5525	1.8	8
25	Electronic structure of superconducting non-oxide perovskite MgCNi3. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, L595-L600	1.8	31
24	X-Ray Photoemission Valence Band Spectrum of La0.6Sr0.4MnO3 Perovskite. <i>Physica Status Solidi (B): Basic Research</i> , 2000 , 220, r9-r10	1.3	1
23	Electronic structure of La0.65Pb0.35MnO3 perovskite studied by X-ray photoemission spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 217, 44-48	2.8	10
22	X-ray photoemission spectra of La0.7Sr0.3MnO3 perovskite. <i>Journal of Magnetism and Magnetic Materials</i> , 2000 , 212, 107-111	2.8	18
21	The electronic and electrochemical properties of the ZrV2 and Zr(V0.75Ni0.25)2 systems. <i>Journal of Alloys and Compounds</i> , 2000 , 302, 299-303	5.7	6
20	The electronic and electrochemical properties of the LaNi5, LaNi4Al and LaNi3AlCo systems. <i>Journal of Alloys and Compounds</i> , 2000 , 307, 290-296	5.7	31
19	Band Structure of Dilute Metastable Co-Ag Alloys. <i>Acta Physica Polonica A</i> , 2000 , 98, 447-455	0.6	2

18	Electronic Structure of UCo ₄ B Compound. <i>Acta Physica Polonica A</i> , 2000 , 98, 599-603	0.6	3
17	Dynamic Crystal Field in CePb ₃ . <i>Acta Physica Polonica A</i> , 2000 , 97, 245-248	0.6	
16	Electronic Structure and Transport Properties of UFe ₂ System. <i>Acta Physica Polonica A</i> , 2000 , 97, 815-818	0.6	
15	The electronic and magnetic properties of Y _{n+1} Co _{3n+5} B _{2n} (n=0, 1, 2, 3, and ∞) systems. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 185, 322-330	2.8	31
14	The influence of partial substitution of Co by Al atoms on the magnetic properties of DyCo ₂ compound. <i>Journal of Magnetism and Magnetic Materials</i> , 1997 , 166, 237-242	2.8	21
13	X-Ray Photoemission Spectra of Dy(Co _{1-x} Al _x) ₂ Systems. <i>Acta Physica Polonica A</i> , 1997 , 91, 439-442	0.6	
12	Electronic Band Structure and Calculated Photoemission Spectra of USi ₃ Compound. <i>Acta Physica Polonica A</i> , 1997 , 92, 303-306	0.6	
11	Temperature behavior of magnetization of DyCo ₂ compound. <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 152, L279-L281	2.8	12
10	The magnetic properties of the Laves-phase system Dy(Co _{1-x} Al _x) ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 1996 , 157-158, 723-724	2.8	2
9	Electronic structure in ternary intermetallic Pd ₂ TiX (X=Al,Ga,In) Heusler-type alloys: are they magnetic?. <i>Journal of Physics Condensed Matter</i> , 1995 , 7, 4447-4456	1.8	10
8	The electronic and magnetic properties of the metamagnetic ordered alloy FeRh. <i>Physica B: Condensed Matter</i> , 1994 , 193, 81-91	2.8	14
7	On a structural phase transition in the ordered FeRh alloy. <i>Solid State Communications</i> , 1994 , 92, 731-734	0.6	9
6	Phase diagram of the metamagnetic FeRh. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 115, 171-183	1.8	9
5	Local environment effects in Y ₂ Fe ₁₄ B-based compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 1991 , 97, 187-192	2.8	2
4	The electronic and superconducting properties of ordered Ti-Rh alloys. <i>Journal of Physics Condensed Matter</i> , 1991 , 3, 1089-1098	1.8	4
3	The electronic densities of states in the ordered Zr ₂ Rh alloys. <i>Solid State Communications</i> , 1989 , 71, 917-922	0.6	5
2	Spin wave spectrum and magnetization of ferromagnetic modulated films. <i>Journal of Magnetism and Magnetic Materials</i> , 1988 , 71, 299-305	2.8	22
1	Mg-based Nanocomposites for Room Temperature Hydrogen Storage	229-236	

