Piotr WiÅ›niewski

List of Publications by Year
in descending order

95	1,280	430442	454577
papers	citations	18 h-index	30 g-index

97	97	97	1409
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study of the Structural, Electrical and Magnetic Properties of the $${ext{La}}_{0.67}{ext{Sr}}_{0.33 - x} {ext{Pb}}_{x} {ext{MnO}}_{3}$$ Manganite Nanocrystalline Materials. Journal of Low Temperature Physics, 2022, 206, 400-412.	0.6	2
2	Giant magnetoresistance, Fermi-surface topology, Shoenberg effect, and vanishing quantum oscillations in the type-II Dirac semimetal candidates <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoSi</mml:mi><mml:mn>2</mml:mn></mml:msub></mn and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WSi</mml:mi><mml:mn>2</mml:mn></mml:msub></mm Physical Review B, 2022, 105, .	1.1	8
3	Quantum versus classical nature of the low-temperature magnetic phase transition in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>TbAl</mml:mi><mml:mn>3</mml:mn></m Physical Review B, 2022, 105, .	1.1	1
4	Superconductivity in the Endohedral Ga Cluster Compound PdGa₅. Journal of Physical Chemistry C, 2021, 125, 11294-11299.	1.5	5
5	Magnetotransport signatures of chiral magnetic anomaly in the half-Heusler phase ScPtBi. Physical Review B, 2021, 103, .	1.1	7
6	Method to Measure the Degree of Reduction of Eu³⁺ to Eu²⁺: How Anion and Cation Vacancies Influence the Degree of Reduction. Journal of Physical Chemistry C, 2021, 125, 24505-24514.	1.5	18
7	Tuning the Parity Mixing of Singlet-Septet Pairing in a Half-Heusler Superconductor. Physical Review X, 2021, 11, .	2.8	9
8	Observation of Dirac state in half-Heusler material YPtBi. Scientific Reports, 2020, 10, 12343.	1.6	13
9	Observation of gapped state in rare-earth monopnictide HoSb. Scientific Reports, 2020, 10, 12961.	1.6	14
10	Anomalous Hall effect and negative longitudinal magnetoresistance in half-Heusler topological semimetal candidates TbPtBi and HoPtBi. APL Materials, 2020, 8, .	2.2	18
11	Fermi surface investigation of the noncentrosymmetric superconductor Î± -PdBi. Physical Review B, 2020, 101, .	1.1	1
12	Superconductivity in single crystalline LuPd₂Si₂ probed by heat capacity measurements. Superconductor Science and Technology, 2020, 33, 055007.	1.8	1
13	3D printed stimuli-responsive magnetic nanoparticle embedded alginate-methylcellulose hydrogel actuators. Additive Manufacturing, 2020, 34, 101275.	1.7	52
14	Increased Lowâ€Temperature Magnetization and Spinâ€Reorientational Transition in the Polar Phase of (Ca, Mn)â€Doped Bismuth Ferrites. Physica Status Solidi (B): Basic Research, 2020, 257, 2000121.	0.7	1
15	RuAl₆â€"An Endohedral Aluminide Superconductor. Chemistry of Materials, 2020, 32, 3805-3812.	3.2	10
16	Magnetic field-driven quantum criticality in antiferromagnetic CePtIn ₄. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 20333-20338.	3.3	10
17	Crystal Growth and Physical Properties of the YPd₂Si₂ Superconductor. Crystal Growth and Design, 2019, 19, 2557-2563.	1.4	5
18	Negative longitudinal magnetoresistance as a sign of a possible chiral magnetic anomaly in the half-Heusler antiferromagnet DyPdBi. Physical Review B, 2019, 99, .	1.1	16

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19	Superconductivity in ThPd2Ge2. Physica B: Condensed Matter, 2018, 536, 734-737.	1.3	2
20	New field-induced single ion magnets based on prolate Er(<scp>iii</scp>) and Yb(<scp>iii</scp>) ions: tuning the energy barrierU_{eff}by the choice of counterions within an N₃-tridentate Schiff-base scaffold. Inorganic Chemistry Frontiers, 2018, 5, 605-618.	3.0	27
21	Electronic structures and superconductivity in LuTE2Si2 phases (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 677 Td (<mml	1.3	7
22	Superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0054.gif" overflow="scroll"><mml:mrow><mml:mi mathvariant="normal">Y</mml:mi><mml:msub><mml:mrow><mml:mi mathvariant="italic">TE</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mro		

#	Article	IF	Citations
37	Superconductivity in CaBi₂. Physical Chemistry Chemical Physics, 2016, 18, 21737-21745.	1.3	31
38	Superconductivity and Shubnikovâ€“de Haas oscillations in the noncentrosymmetric half-Heusler compound YPtBi. Physical Review B, 2016, 94, .	1.1	38
39	Rattling enhanced superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>M</mml:mi><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">l</mml:mi><mml:mn>20</mml:mn></mml:msub><mml:mspace width="0.28em"		

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55	Magnetic and related properties of the solid solution CeCuxGa4â^'x. Journal of Physics and Chemistry of Solids, 2014, 75, 1284-1288.	1.9	4
56	Magnetic and related properties of Ce5CoGe2, CeCoGe and CeCo2Ge2. Intermetallics, 2014, 53, 40-44.	1.8	4
57	Multiple magnetic phase transitions in CePd2In4. Journal of Alloys and Compounds, 2013, 578, 50-52.	2.8	1
58	Metamagnetism in CePd5Ge3. Journal of Physics Condensed Matter, 2013, 25, 126001.	0.7	4
59	Observation of superconductivity in the intermetallic compound Î²-IrSn₄. Journal of Physics Condensed Matter, 2013, 25, 155701.	0.7	10
60	Involvement of Schizosaccharomyces pombe rrp1 + and rrp2 + in the Srs2- and Swi5/Sfr1-dependent pathway in response to DNA damage and replication inhibition. Nucleic Acids Research, 2013, 41, 8196-8209.	6.5	10
61	Metamagnetism in UMn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Al<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>20</mml:mn></mml:msub></mml:math>studied with polarized neutron diffraction and bulk magnetic measurements. Physical Review B, 2012, 86, .	1.1	10
62	Huge Magnetostriction-Driven Anisotropy of Electron Transport Properties in Cubic Ferromagnetic Uranium Pnictides. Journal of the Physical Society of Japan, 2012, 81, SB021.	0.7	0
63	Magnetic, electric and thermoelectric properties of ternary intermetallics from the Ceâ€“Coâ€“Ge system. Intermetallics, 2011, 19, 1201-1206.	1.8	12
64	Magnetic Structure of PrFe4As12Skutterudite â€“ Polarised Neutron Study. Journal of the Physical Society of Japan, 2011, 80, SA012.	0.7	4
65	Pressure studies on the superconductor Mo₃Sb₇. Journal of Physics: Conference Series, 2011, 273, 012088.	0.3	4
66	High-Field Magnetisation and Magnetoresistance Îżf U₃P₄and Its Solid Solution U₃(P,As)₄. Acta Physica Polonica A, 2009, 115, 254-256.	0.2	1
67	Giant anisotropic magnetoresistance and magnetothermopower in cubic 3:4 uranium pnictides. Applied Physics Letters, 2007, 90, 192106.	1.5	13
68	Unusual domain and field-forced magnetostriction in U3As4 and U3P4. Journal of Magnetism and Magnetic Materials, 2007, 310, e904-e906.	1.0	2
69	Anisotropy of resistivity and its reversal in ferromagnets U3As4 and U3P4. Physica B: Condensed Matter, 2006, 378-380, 1001-1002.	1.3	0
70	Hyperfine interactions in the antiferromagnetic states ofUX2(X=P,As,Sb,Bi). Physical Review B, 2004, 69, .	1.1	21
71	Magnetic - nonmagnetic transition of U₃P₄ at high pressures. Journal of Nuclear Science and Technology, 2002, 39, 191-194.	0.7	8
72	238U MÃ¶ssbauer Study on the 5f-Quadrupoles in Uranium-Based Intermetallics. Hyperfine Interactions, 2002, 141/142, 237-242.	0.2	1

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73	Shubnikovâ€“deÂHaas Effect Study of Cylindrical Fermi Surfaces in UP2. Journal of the Physical Society of Japan, 2001, 70, 278-283.	0.7	15
74	Magnetoresistance and de Haas-van Alphen Effect in U3As4and U3P4. Journal of the Physical Society of Japan, 2001, 70, 558-568.	0.7	17
75	Cylindrical Fermi surfaces formed by a fiat magnetic Brillouin zone in uranium dipnictides. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 1517-1544.	0.6	51
76	Cylindrical Fermi surfaces in rare-earth and actinide compounds. Physica B: Condensed Matter, 2000, 281-282, 758-760.	1.3	1
77	Single-crystal growth by flux method and Fermi surface of uranium compounds. Physica B: Condensed Matter, 2000, 281-282, 761-763.	1.3	11
78	Cylindrical Fermi surfaces of UAs2 and UP2. Physica B: Condensed Matter, 2000, 281-282, 769-770.	1.3	4
79	Single-ion-type Kondo resistivity and thermoelectric power in USb antiferromagnet. Physica B: Condensed Matter, 2000, 281-282, 193-194.	1.3	0
80	Shubnikov-de Haas effect study of cylindrical Fermi surfaces in UAs2. Journal of Physics Condensed Matter, 2000, 12, 1971-1980.	0.7	10
81	Polarized neutron diffraction study of spin and orbital moments in UAsSe. Journal of Physics Condensed Matter, 1999, 11, 6311-6317.	0.7	8
82	Crystal Growth and Cylindrical Fermi Surfaces of USb2. Journal of the Physical Society of Japan, 1999, 68, 2182-2185.	0.7	45
83	Spin and orbital moments inU3X4-type pnictides(X=P,As, Sb, Bi): Polarized neutron-diffraction study. Physical Review B, 1999, 60, 6242-6245.	1.1	21
84	On the origin of the impurity Kondo-like resistivity component of UAsSe ferromagnets. Journal of Physics and Chemistry of Solids, 1998, 59, 385-393.	1.9	28
85	Neutron diffraction study of magnetic structure of U3Bi4 and U3Sb4. Physica B: Condensed Matter, 1997, 234-236, 694-695.	1.3	2
86	U3Bi4 single crystal growth by the molten metal solution evaporation method. Journal of Crystal Growth, 1997, 172, 459-465.	0.7	6
87	Magnetic brillouin zone effect on the resistivity of semimetallic-like fermi surface in USb. Phase Transitions, 1996, 57, 11-16.	0.6	3
88	Neutron diffraction study of magnetic structure of and. Journal of Physics Condensed Matter, 1996, 8, 10589-10600.	0.7	13
89	Pressure effect on spin reorientation transition in U3As4. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1427-1428.	1.0	3
90	Magnon Drag Effect on Resistivity and Thermoelectric Power of Semimetallic Antiferromagnet USb. Acta Physica Polonica A, 1995, 88, 1103-1112.	0.2	5

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91	Effect of Spin Reorientational Transition on Magnetoresistivity of Noncolinear Ferromagnet U₃As₄. Acta Physica Polonica A, 1994, 85, 245-248.	0.2	5
92	Effect of oxygen deficiency on transport properties of Nd1.85Th0.15CuO4-Î´. Journal of Alloys and Compounds, 1992, 181, 299-304.	2.8	2
93	Anisotropy of the physical properties of uniaxial antiferromagnetic USb2. Journal of Alloys and Compounds, 1992, 181, 267-273.	2.8	21
94	Dependence of ordering temperature on pressure, carrier density and U-U distance in uranium pnictides; pressure and hall effects examinations of UP2 and USb2. Solid State Communications, 1991, 79, 1025-1028.	0.9	16
95	Evolution of the Magnetic and Electrical Properties in the Ce-Co-Ge System. Solid State Phenomena, 0, 194, 80-83.	0.3	2