Michal J Winiarski

List of Publications by Year
in descending order

48 papers	1,070 citations	430874 18 h-index	414414 32 g-index
50 all docs	50 docs citations	50 times ranked	1487 citing authors

#	Article	IF	Citations
1	Effect of electron count and chemical complexity in the Ta-Nb-Hf-Zr-Ti high-entropy alloy superconductor. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E7144-E7150.	7.1	114
2	Photocatalytic activity of nitrogen doped TiO2 nanotubes prepared by anodic oxidation: The effect of applied voltage, anodization time and amount of nitrogen dopant. Applied Catalysis B: Environmental, 2016, 196, 77-88.	20.2	110
3	Enhanced photocatalytic properties of lanthanide-TiO2 nanotubes: An experimental and theoretical study. Applied Catalysis B: Environmental, 2017, 205, 376-385.	20.2	87
4	Photocatalytically Active TiO₂/Ag₂O Nanotube Arrays Interlaced with Silver Nanoparticles Obtained from the One-Step Anodic Oxidation of Tiâ€"Ag Alloys. ACS Catalysis, 2017, 7, 2753-2764.	11.2	76
5	Effect of irradiation intensity and initial pollutant concentration on gas phase photocatalytic activity of TiO 2 nanotube arrays. Catalysis Today, 2017, 284, 19-26.	4.4	51
6	Perovskite-type KTaO₃â€"reduced graphene oxide hybrid with improved visible light photocatalytic activity. RSC Advances, 2015, 5, 91315-91325.	3.6	49
7	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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19	Microstructure and electrical properties of manganese borosilicate glasses. Journal of Non-Crystalline Solids, 2015, 423-424, 68-75.	3.1	18
20	Dirac fermions and possible weak antilocalization in LaCuSb2. APL Materials, 2019, 7, .	5.1	16
21	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mg</mml:mi><mml:msub><mml:mi>Pd</mml:mi><mm : A Mg-based Heusler-type superconductor. Physical Review B, 2021, 103, .	3.2	15
22	Field-induced suppression of charge density wave in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="bold">GdNiC</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2016, 94, .	3.2	14
23	Synthesis and properties of Ho T 2 Al 20 (T Â= Ti, V, Cr) intermetallic cage compounds. Intermetallics, 2017, 85, 103-109.	3.9	14
24	Iridium <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>5</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:m -electron driven superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>ThI</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 100, .	3.2	14
25	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:m chain compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mi>CuS</mml:mi><mml:msub><mml:mi mathvariant="normal">b</mml:mi><mml:mn>. Physical Review B, 2020, 101, .	3.2	14
26	Superconductivity on a Bi Square Net in LiBi. Chemistry of Materials, 2020, 32, 3150-3159.	6.7	11
27	TiO2CoxOy composite nanotube arrays via one step electrochemical anodization for visible lightâ€"induced photocatalytic reaction. Surfaces and Interfaces, 2018, 12, 179-189.	3.0	10
28	RuAl₆â€"An Endohedral Aluminide Superconductor. Chemistry of Materials, 2020, 32, 3805-3812.	6.7	10
29	Superconductivity in LiGa2Ir Heusler type compound with VECâ€‰=â€‰16. Scientific Reports, 2021, 11, 16517.	3.3	10
30	Stabilization of the pyrochlore phase of Mn2Sb2O7 by double substitution. Journal of Solid State Chemistry, 2019, 278, 120898.	2.9	8
31	Potential Skyrmion Host Fe(IO₃)₃: Connecting Stereoactive Lone-Pair Electron Effects to the Dzyaloshinskii-Moriya Interaction. Chemistry of Materials, 2021, 33, 4661-4671.	6.7	8
32	Physical properties and electronic structure of La3Co and La3Ni intermetallic superconductors. Physica C: Superconductivity and Its Applications, 2016, 528, 73-83.	1.2	7
33	Investigation of magnetic order in a new intermetallic compound Nd2PtGe3. Journal of Magnetism and Magnetic Materials, 2021, 521, 167494.	2.3	7
34	Spin and Orbital Effects on Asymmetric Exchange Interaction in Polar Magnets: M(IO₃)₂ (M = Cu and Mn). Inorganic Chemistry, 2021, 60, 16544-16557.	4.0	7
35	Crystal structure and physical properties of new Ca2TGe3 (T = Pd and Pt) germanides. Journal of Solid State Chemistry, 2016, 243, 95-100.	2.9	6
36	A tetragonal polymorph of SrMn₂P₂made under high pressure â€" theory and experiment in harmony. Dalton Transactions, 2017, 46, 6835-6838.	3.3	6

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37	Synthesis, structure and physical properties of new intermetallic spin glass-like compounds <i>RE</i> ₂PdGe₃ (<i>RE</i>â€‰â€‰=â€‰â€‰Tb and Dy). Journal of Physics Condensed Matter, 2020, 32, 225706.	1.8	2
38	Superconductivity in the Endohedral Ga Cluster Compound PdGa₅. Journal of Physical Chemistry C, 2021, 125, 11294-11299.	3.1	5
39	Study of Integer Spin S = 1 in the Polar Magnet Î²-Ni(IO3)2. Molecules, 2021, 26, 7210.	3.8	5
40	Single crystal growth and physical properties of MCo2Al9 (M= Sr, Ba). Journal of Solid State Chemistry, 2020, 289, 121509.	2.9	4
41	Intermetallic disordered magnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Gd</mml:mi><mml:mn>2</mml:mn></mml: its relation to other<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>AlB</mml:mi><mml:mn>2</mml:mn></mml Physical Review B, 2022, 105, .	3.2	4
42	Superconductivity in the intermetallic compound Zr₅Al₄. Europhysics Letters, 2019, 127, 37005.	2.0	3
43	Fermi-liquid behavior of binary intermetallic compounds Y3M(Mâ€‰â€‰=â€‰â€‰Co, Ni, Rh, Pd, Ir, Pt). Materials Research Express, 2017, 4, 066501.	1.6	2
44	Growth, Crystal Structure and Magnetic Characterization of Zn-Stabilized CePtIn₄. Journal of the Physical Society of Japan, 2017, 86, 084710.	1.6	2
45	Ho2Pd1.3Ge2.7 â€“ a ternary AlB2-type cluster glass system. RSC Advances, 2021, 11, 25187-25193.	3.6	2
46	Synthesis, single crystal growth and properties of Sr 5 Pb 3 ZnO 12. Journal of Alloys and Compounds, 2014, 617, 63-68.	5.5	1
47	Future Directions in Quantum Materials Synthesis. , 2021, , 239-259.		1
48	Low-Dimensional Magnetic Semimetal Cr_{0.65}Al_{1.35}Se₃. Inorganic Chemistry, 2019, 58, 13960-13968.	4.0	0