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	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:msub></mml:mrow></mml:math> 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:msub></mml:mrow></mml:math>. Physical Review B, 2022, 105, .	3.2	4
2	Investigation of magnetic order in a new intermetallic compound Nd2PtGe3. Journal of Magnetism and Magnetic Materials, 2021, 521, 167494.	2.3	7
3	Future Directions in Quantum Materials Synthesis. , 2021, , 239-259.		1
4	Ho2Pd1.3Ge2.7 â€“ a ternary AlB2-type cluster glass system. RSC Advances, 2021, 11, 25187-25193.	3.6	2
5	Superconductivity in the Endohedral Ga Cluster Compound PdGa₅. Journal of Physical Chemistry C, 2021, 125, 11294-11299.	3.1	5
6	<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></mml:msub></mml:mrow></mml:math> : A Mg-based Heusler-type superconductor. Physical Review B, 2021, 103, .	3.2	15
7	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
8	Superconductivity in LiGa2Ir Heusler type compound with VECâ€‰=â€‰16. Scientific Reports, 2021, 11, 16517.	3.3	10
9	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
10	Study of Integer Spin S = 1 in the Polar Magnet Î²-Ni(IO3)2. Molecules, 2021, 26, 7210.	3.8	5
11	Spinon excitations in the quasi-one-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:mi> 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
12	Single crystal growth and physical properties of MCo2Al9 (M= Sr, Ba). Journal of Solid State Chemistry, 2020, 289, 121509.	2.9	4
13	Superconductivity on a Bi Square Net in LiBi. Chemistry of Materials, 2020, 32, 3150-3159.	6.7	11
14	Synthesis, structure and physical properties of new intermetallic spin glass-like compounds RE ₂PdGe₃ (REâ€‰â€‰=â€‰â€‰Tb and Dy). Journal of Physics Condensed Matter, 2020, 32, 225706.	1.8	2
15	RuAl₆â€”An Endohedral Aluminide Superconductor. Chemistry of Materials, 2020, 32, 3805-3812.	6.7	10
16	Stabilization of the pyrochlore phase of Mn2Sb2O7 by double substitution. Journal of Solid State Chemistry, 2019, 278, 120898.	2.9	8
17	Low-Dimensional Magnetic Semimetal Cr_{0.65}Al_{1.35}Se₃. Inorganic Chemistry, 2019, 58, 13960-13968.	4.0	0
18	Superconductivity in the intermetallic compound Zr₅Al₄. Europhysics Letters, 2019, 127, 37005.	2.0	3

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19	(CsX)Cu₅O₂(PO₄)₂ (X = Cl, Br, I): A Family of Cu²⁺ S = ¹/₂ Compounds with Capped-KagomÃ© Networks Composed of OCu₄ Units. Inorganic Chemistry, 2019, 58, 4328-4336.	4.0	25
20	Dirac fermions and possible weak antilocalization in LaCuSb2. APL Materials, 2019, 7, .	5.1	16
21	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
22	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
23	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
24	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
25	The ILs-assisted electrochemical synthesis of TiO 2 nanotubes: The effect of ionic liquids on morphology and photoactivity. Applied Catalysis B: Environmental, 2017, 214, 100-113.	20.2	35
26	A tetragonal polymorph of SrMn₂P₂made under high pressure â€“ theory and experiment in harmony. Dalton Transactions, 2017, 46, 6835-6838.	3.3	6
27	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
28	Synthesis and properties of AxV2Al20 (AÂ= Th, U, Np, Pu) ternary actinide aluminides. Journal of Alloys and Compounds, 2017, 696, 1113-1119.	5.5	19
29	Enhanced photocatalytic properties of lanthanide-TiO2 nanotubes: An experimental and theoretical study. Applied Catalysis B: Environmental, 2017, 205, 376-385.	20.2	87
30	Growth, Crystal Structure and Magnetic Characterization of Zn-Stabilized CePtIn₄. Journal of the Physical Society of Japan, 2017, 86, 084710.	1.6	2
31	Preparation and photocatalytic properties of BaZrO 3 and SrZrO 3 modified with Cu 2 O/Bi 2 O 3 quantum dots. Solid State Sciences, 2017, 74, 13-23.	3.2	29
32	Highly Visible-Light-Photoactive Heterojunction Based on TiO₂ Nanotubes Decorated by Pt Nanoparticles and Bi₂S₃ Quantum Dots. Journal of Physical Chemistry C, 2017, 121, 17215-17225.	3.1	30
33	Magnetic and charge density waves in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:msub><mml:mtext>NiC</mml:mtext> width="0.16em" /><mml:mo>(</mml:mo><mml:mrow><mml:mi>R</mml:mi><mml:mo>=</mml:mo><mml:mtext>Ce,</mml:mtext><mml:mspace) Tj	3.2	31
34	Crystal structure and low-energy Einstein mode in ErV 2 Al 20 intermetallic cage compound. Journal of Solid State Chemistry, 2017, 245, 10-16.	2.9	22
35	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
36	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

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37	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
38	Superconductivity in CaBi₂. Physical Chemistry Chemical Physics, 2016, 18, 21737-21745.	2.8	31
39	Physical properties and electronic structure of La3Co and La3Ni intermetallic superconductors. Physica C: Superconductivity and Its Applications, 2016, 528, 73-83.	1.2	7
40	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
41	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">I</mml:mi><mml:mn>20</mml:mn></mml:msub><mml:mspace width="0.28em"		