

Tomasz Klimczuk

List of Publications by Year in descending order

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papers

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81839

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236
all docs

236
docs citations

236
times ranked

7631
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity in Cu_xTiSe_2 . Nature Physics, 2006, 2, 544-550.	6.5	812
2	Superconductivity phase diagram of $\text{Na}_x\text{CoO}_2 \cdot 1.3\text{H}_2\text{O}$. Nature, 2003, 424, 527-529.	13.7	304
3	TiO ₂ photoactivity in vis and UV light: The influence of calcination temperature and surface properties. Applied Catalysis B: Environmental, 2008, 84, 440-447.	10.8	176
4	Pressure-induced superconductivity in CaFe_2As_2 . Journal of Physics Condensed Matter, 2008, 20, 322204.	0.7	170
5	Noncentrosymmetric superconductor with a bulk three-dimensional Dirac cone gapped by strong spin-orbit coupling. Physical Review B, 2014, 89, .	1.1	142
6	Synthesis and properties of CaFe_2As_2 single crystals. Journal of Physics Condensed Matter, 2008, 20, 322201.	0.7	136
7	The first order phase transition and superconductivity in BaNi_2As_2 single crystals. Journal of Physics Condensed Matter, 2008, 20, 342203.	0.7	134
8	Magnetism and structure of $\text{Li}_x\text{Co}_2\text{Mn}_2\text{O}_8$ and comparison to $\text{O}_x\text{Co}_2\text{Mn}_2\text{O}_8$. Physical Review Letters, 2007, 99, 257004.	1.1	129
9	Superconductivity in the Heusler family of intermetallics. Physical Review B, 2012, 85, .	1.1	126
10	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.	3.3	114
11	Photocatalytic activity of nitrogen doped TiO ₂ 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.	10.8	110
12	Physical Properties of the Noncentrosymmetric Superconductor $\text{Mg}_{10}\text{B}_{16}$. Physical Review Letters, 2007, 99, 257004.	1.1	108
13	Chemical instability of the cobalt oxyhydrate superconductor under ambient conditions. Solid State Communications, 2003, 127, 33-37.	0.9	87
14	Enhanced photocatalytic properties of lanthanide-TiO ₂ nanotubes: An experimental and theoretical study. Applied Catalysis B: Environmental, 2017, 205, 376-385.	10.8	87
15	Insulator to correlated metal transition in $V\text{Mg}^{\wedge}1$. Physical Review B, 2009, 79, .	1.1	79
16	Noble metal modified TiO ₂ microspheres: Surface properties and photocatalytic activity under UV-vis and visible light. Journal of Molecular Catalysis A, 2016, 423, 191-206.	4.8	78
17	Photocatalytically Active $\text{TiO}_2/\text{Ag}_2\text{O}$ Nanotube Arrays Interlaced with Silver Nanoparticles Obtained from the One-Step Anodic Oxidation of Ti-Ag Alloys. ACS Catalysis, 2017, 7, 2753-2764.	5.5	76
18	TaRh_2B_2 and NbRh_2B_2 : Superconductors with a chiral noncentrosymmetric crystal structure. Science Advances, 2018, 4, eaar7969.	4.7	73

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19	Urchin-like TiO ₂ structures decorated with lanthanide-doped Bi ₂ S ₃ quantum dots to boost hydrogen photogeneration performance. Applied Catalysis B: Environmental, 2020, 272, 118962.	10.8	68
20	The effect of metal cluster deposition route on structure and photocatalytic activity of mono- and bimetallic nanoparticles supported on TiO ₂ by radiolytic method. Applied Surface Science, 2016, 378, 37-48.	3.1	66
21	Successive Orbital Ordering Transitions in NaVO_2 . Physical Review Letters, 2008, 101, 166402.	2.9	65
22	Photoactivity of decahedral TiO ₂ loaded with bimetallic nanoparticles: Degradation pathway of phenol-1-13C and hydroxyl radical formation. Applied Catalysis B: Environmental, 2017, 200, 56-71.	10.8	65
23	Optical and photocatalytic properties of rare earth metal-modified ZnO quantum dots. Applied Surface Science, 2019, 464, 651-663.	3.1	64
24	Superconductivity in noncentrosymmetric Mg ₁₀ Ir ₁₉ B ₁₆ . Physical Review B, 2006, 74, .	1.1	60
25	First order magnetic transition in single crystalline CaFe_2 . Physical Review B, 2009, 79, .	1.1	56
26	Ni ₂ X ₂ (X=pnictide, chalcogenide, or B) based superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 396-403.	0.6	56
27	Synthesis, structure and physical properties of Ru ferrites: BaMRu ₅ O ₁₁ (M=Li and Cu) and BaM ²⁺ Ru ₄ O ₁₁ (M ²⁺ =Mn, Fe and Co). Journal of Solid State Chemistry, 2006, 179, 563-572.	1.4	53
28	A large family of filled skutterudites stabilized by electron count. Nature Communications, 2015, 6, 6489.	5.8	52
29	TiO ₂ /SrTiO ₃ and SrTiO ₃ microspheres decorated with Rh, Ru or Pt nanoparticles: Highly UV-vis responsible photoactivity and mechanism. Journal of Catalysis, 2017, 350, 159-173.	3.1	51
30	Effect of irradiation intensity and initial pollutant concentration on gas phase photocatalytic activity of TiO ₂ nanotube arrays. Catalysis Today, 2017, 284, 19-26.	2.2	51
31	The effects of bifunctional linker and reflux time on the surface properties and photocatalytic activity of CdTe quantum dots decorated KTaO ₃ composite photocatalysts. Applied Catalysis B: Environmental, 2017, 203, 452-464.	10.8	50
32	Perovskite-type KTaO ₃ reduced graphene oxide hybrid with improved visible light photocatalytic activity. RSC Advances, 2015, 5, 91315-91325.	1.7	49
33	Design and Application of Magnetic Photocatalysts for Water Treatment. The Effect of Particle Charge on Surface Functionality. Catalysts, 2017, 7, 360.	1.6	49
34	Recovery of silver metallization from damaged silicon cells. Solar Energy Materials and Solar Cells, 2018, 176, 190-195.	3.0	49
35	Endohedral gallide cluster superconductors and superconductivity in ReGa ₅ . Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E7048-54.	3.3	46
36	Rare earth ions doped K ₂ Ta ₂ O ₆ photocatalysts with enhanced UV-vis light activity. Applied Catalysis B: Environmental, 2018, 224, 451-468.	10.8	46

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37	Synthesis and properties of the double perovskites La ₂ NiVO ₆ , La ₂ CoVO ₆ , and La ₂ CoTiO ₆ . Journal of Solid State Chemistry, 2007, 180, 75-83.	1.4	44
38	Preparation and photocatalytic activity of Nd-modified TiO ₂ photocatalysts: Insight into the excitation mechanism under visible light. Journal of Catalysis, 2017, 353, 211-222.	3.1	43
39	Carbon isotope effect in superconducting MgCNi ₃ . Physical Review B, 2004, 70, .	1.1	42
40	Magnetic structure and properties of the antiferromagnet $S_5 \hat{\cdot}$	1.1	38
41	Localized and "harmonic" rattling of Al atoms in VA $Fe_{1-x}M_x$ Rattling-enhanced superconductivity in $M_{20}V_2A$	1.1	38
42			

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55	Highly visible-light photocatalytic activity of NiO ₂ nanotubes decorated with Pt nanoparticles. Journal of Physical Chemistry C, 2017, 121, 17215-17225.	1.1	31
56	Highly Visible-Light-Photoactive Heterojunction Based on TiO ₂ Nanotubes Decorated by Pt Nanoparticles and Bi ₂ S ₃ Quantum Dots. Journal of Physical Chemistry C, 2017, 121, 17215-17225.	1.5	30
57	A new simple approach to prepare rare-earth metals-modified TiO ₂ nanotube arrays photoactive under visible light: Surface properties and mechanism investigation. Results in Physics, 2019, 12, 412-423.	2.0	30
58	Possible singlet-to-triplet pairing transition in Na _x CoO ₂ ·yH ₂ O. Physical Review B, 2004, 70, .	1.1	29
59	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.	1.5	29
60	Manganese Phosphatizing Coatings: The Effects of Preparation Conditions on Surface Properties. Materials, 2018, 11, 2585.	1.3	29
61	Monometallic nanoparticles decorated and rare earth ions doped KTaO ₃ /K ₂ Ta ₂ O ₆ photocatalysts with enhanced pollutant decomposition and improved H ₂ generation. Journal of Catalysis, 2018, 364, 371-381.	3.1	29
62	Mechanical exfoliation and layer number identification of single crystal monoclinic CrCl ₃ . Nanotechnology, 2020, 31, 395706.	1.3	28
63	A novel (Ti/Ce)UiO-X MOFs@TiO ₂ heterojunction for enhanced photocatalytic performance: Boosting via Ce ⁴⁺ /Ce ³⁺ and Ti ⁴⁺ /Ti ³⁺ redox mediators. Applied Catalysis B: Environmental, 2022, 310, 121349.	10.8	28
64	Pressure effects on the superconductivity of the HfPd ₂ Al Heusler compound: Experimental and theoretical study. Physical Review B, 2015, 91, .	1.1	27
65	TiO ₂ nanotube arrays-based reactor for photocatalytic oxidation of parabens mixtures in ultrapure water: Effects of photocatalyst properties, operational parameters and light source. Science of the Total Environment, 2019, 689, 79-89.	3.9	27
66	Superconductivity in PrBa ₂ Cu ₃ O _{7-x} single crystals after high-temperature thermal treatment. Physica C: Superconductivity and Its Applications, 1999, 322, 57-64.	0.6	26
67	Mono- and bimetallic nanoparticles decorated KTaO ₃ photocatalysts with improved Vis and UV-Vis light activity. Applied Surface Science, 2018, 441, 993-1011.	3.1	26
68	Enhancement of the Magnetic Coupling in Exfoliated CrCl ₃ Crystals Observed by Low-temperature Magnetic Force Microscopy and X-ray Magnetic Circular Dichroism. Advanced Materials, 2020, 32, e2000566.	11.1	26
69	Synthesis of CoFe ₂ O ₄ Nanoparticles: The Effect of Ionic Strength, Concentration, and Precursor Type on Morphology and Magnetic Properties. Journal of Nanomaterials, 2020, 2020, 1-12.	1.5	26
70	Superconductivity at 2.2 K in the layered oxypnictide La ₃ Ni ₄ P ₄ O ₂ . Physical Review B, 2009, 79, .	1.1	25
71	Muon spin rotation/relaxation measurements of the noncentrosymmetric superconductor Mg ₁₀ Ir ₁₉ B ₁₆ . Physical Review B, 2010, 82, .	1.1	25
72	Various types of semiconductor photocatalysts modified by CdTe QDs and Pt NPs for toluene photooxidation in the gas phase under visible light. Applied Surface Science, 2017, 393, 262-275.	3.1	25

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73	Extended phase diagram of $R_{1-x}Ni_x$ family: Linear scaling of the Peierls temperature. <i>Physical Review B</i> , 2018, 97, .	2.4	24
74	Magnetic properties of the garnet and glass forms of $Mn_3V_2O_{10}$. <i>Physical Review B</i> , 2009, 80, .	1.1	22
75	Crystal structure and low-energy Einstein mode in ErV ₂ Al ₂₀ intermetallic cage compound. <i>Journal of Solid State Chemistry</i> , 2017, 245, 10-16.	1.4	22
76	Pseudo-superparamagnetic behaviour of barium hexaferrite particles. <i>RSC Advances</i> , 2020, 10, 18784-18796.	1.7	22
77	Synergy between AgInS ₂ quantum dots and ZnO nanopramids for photocatalytic hydrogen evolution and phenol degradation. <i>Journal of Hazardous Materials</i> , 2020, 398, 123250.	6.5	22
78	Superconductivity in the Cu(Ir)Tl ₂ ETQqO _{0.0} rgBT/Overlock 10 Tf 50 5	1.1	21
79	Dependence between Ionic Liquid Structure and Mechanism of Visible-Light-Induced Activity of TiO ₂ Obtained by Ionic-Liquid-Assisted Solvothermal Synthesis. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3927-3937.	3.2	21
80	Superconductivity in three-layer Na _{0.3} CoO ₂ ·1.3H ₂ O. <i>Solid State Communications</i> , 2005, 133, 407-410.	0.9	20
81	Shape-controllable synthesis of GdVO ₄ photocatalysts and their tunable properties in photocatalytic hydrogen generation. <i>Dalton Transactions</i> , 2019, 48, 1662-1671.	1.6	20
82	Polytypism and superconductivity in the NbS ₂ system. <i>Dalton Transactions</i> , 2021, 50, 3216-3223.	1.6	20
83	Rich magnetic phase diagram of the kagome-staircase compound $Mn_3V_2O_{10}$. <i>Physical Review B</i> , 2007, 76, .	1.1	19
84	Preparation, characterization and photocatalytic activity of TiO ₂ microspheres decorated by bimetallic nanoparticles. <i>Journal of Molecular Catalysis A</i> , 2016, 424, 241-253.	4.8	19
85	Novel decahedral TiO ₂ photocatalysts modified with Ru or Rh NPs: Insight into the mechanism. <i>Molecular Catalysis</i> , 2017, 434, 154-166.	1.0	19
86	Synthesis and properties of AxV ₂ Al ₂₀ (A = Th, U, Np, Pu) ternary actinide aluminides. <i>Journal of Alloys and Compounds</i> , 2017, 696, 1113-1119.	2.8	19
87	Superconductivity in the superhard boride WB _{4.2} . <i>Superconductor Science and Technology</i> , 2018, 31, 115005.	1.8	19
88	The electronic characterization of the cubic Laves-phase superconductor CaRh ₂ . <i>Journal of Alloys and Compounds</i> , 2019, 793, 393-399.	2.8	19
89	Microstructure and electrical properties of manganese borosilicate glasses. <i>Journal of Non-Crystalline Solids</i> , 2015, 423-424, 68-75.	1.5	18
90	Visible light photocatalysis employing TiO ₂ /SrTiO ₃ -BiOI composites: Surface properties and photoexcitation mechanism. <i>Molecular Catalysis</i> , 2018, 452, 154-166.	1.0	18

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91	Importance of Specific Heat Characterization when Reporting New Superconductors: An Example of Superconductivity in LiGa_2Rh . Chemistry of Materials, 2019, 31, 2164-2173.	3.2	18
92	Nb_2B_2 and Ta_2B_2 New Low Symmetry Noncentrosymmetric Superconductors with Strong Spin-Orbit Coupling. Advanced Functional Materials, 2021, 31, 2007960.	7.8	18
93	Structure and magnetic properties of $\text{BeO-Fe}_2\text{O}_3\text{-Al}_2\text{O}_3\text{-TeO}_2$ glass-ceramic composites. Journal of the European Ceramic Society, 2021, 41, 5214-5222.	2.8	17
94	Tuning the ferromagnetic phase in the CDW compound SmNiC_2 via chemical alloying. Scientific Reports, 2016, 6, 26530.	1.6	16
95	Superconductivity in a new intermetallic structure type based on endohedral $\text{Ta}_7\text{G}_4\text{e}_4$ clusters. Physical Review B, 2019, 100, .	1.1	16
96	Studies on novel $\text{Bi}_2\text{X}_2\text{-TiO}_2/\text{SrTiO}_3$ composites: Surface properties and visible light-driven photoactivity. Applied Surface Science, 2018, 435, 1174-1186.	3.1	16
97	Electrochemically Obtained $\text{TiO}_2/\text{Cu}_x\text{O}_y$ Nanotube Arrays Presenting a Photocatalytic Response in Processes of Pollutants Degradation and Bacteria Inactivation in Aqueous Phase. Catalysts, 2018, 8, 237.	1.6	16
98	Pressure effects on the electronic structure and superconductivity of TaNb_2 high entropy alloy. Physical Review B, 2019, 100, .	1.1	16
99	Enhanced electrochemical kinetics of highly-oriented (111)-textured boron-doped diamond electrodes induced by deuterium plasma chemistry. Carbon, 2021, 174, 594-604.	5.4	16
100	Superconductivity with High Upper Critical Field in the Cubic Centrosymmetric $\text{Ir-Carbide Nb}_4\text{Rh}_2\text{C}$. ACS Materials Au, 2021, 1, 55-61.	2.6	16
101	Ti/TiO_2 nanotubes sensitized PbS quantum dots as photoelectrodes applied for decomposition of anticancer drugs under simulated solar energy. Journal of Hazardous Materials, 2022, 421, 126751.	6.5	16
102	Nanometer structural columns and frustration of magnetic ordering in $\text{Nb}_{12}\text{O}_{29}$. Physical Review B, 2005, 72, .	1.1	15
103	Bulk properties and electronic structure of PuFeAsO . Physical Review B, 2012, 86, .	1.1	15
104	The comparison of $\text{SrTi}_{0.98}\text{Nb}_{0.02}\text{O}_3$ - Y_2O_3 - CeO_2 and $\text{SrTi}_{0.98}\text{Nb}_{0.02}\text{O}_3$ - Y_2O_3 - YSZ composites for use in SOFC anodes. Journal of Electroceramics, 2012, 28, 132-138.	0.8	15
105	Superconducting properties and electronic structure of NaBi . Journal of Physics Condensed Matter, 2014, 26, 212201.	0.7	15
106	Charge density wave and large nonsaturating magnetoresistance in YNiC_2 and LuNiC_2 . Physical Review B, 2019, 99, .	1.1	15
107	Mg_2Pd : A Mg-based Heusler-type superconductor. Physical Review B, 2021, 103, .	1.1	15
108	Strong-coupling superconductivity of SrIr_2 and SrRh_2 : Phonon engineering of metallic Ir and Rh. Physical Review B, 2021, 104, .	1.1	15

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109	Soft-mode enhanced type-I superconductivity in $\text{LiP}_{1-x}\text{Ge}_x$. Physical Review B, 2020, 102, .	1.1	15
110	Effect of Ru substitution for Ni on the superconductivity in MgCNi_3 . Physical Review B, 2004, 70, .	1.1	14
111	Hydration phase diagram for sodium cobalt oxide $\text{Na}_0.3\text{CoO}_2 \cdot y\text{H}_2\text{O}$. Materials Research Bulletin, 2005, 40, 665-670.	2.7	14
112	Crystal structure and physical properties of $\text{Mg}_6\text{Cu}_{16}\text{Si}_7$ -type $\text{M}_6\text{Ni}_{16}\text{Si}_7$, for M=Mg, Sc, Ti, Nb, and Ta. Materials Research Bulletin, 2008, 43, 9-15.	2.7	14
113	Stoichiometry, spin fluctuations, and superconductivity in LaNiPO . Physical Review B, 2009, 79, .	1.1	14
114	Field-induced suppression of charge density wave in GdNiC_2 . Physical Review B, 2016, 94, .	1.1	14
115	Synthesis and properties of $\text{HoT}_2\text{Al}_{20}$ (T = Ti, V, Cr) intermetallic cage compounds. Intermetallics, 2017, 85, 103-109.	1.8	14
116	Iridium Ir_{5d} -electron driven superconductivity in ThIr_3 . Physical Review B, 2019, 100, .	1.1	14
117	CeIr_3 : superconductivity in a phase based on tetragonally close packed clusters. Superconductor Science and Technology, 2019, 32, 025008.	1.8	14
118	Effect of synthesis method parameters on properties and photoelectrocatalytic activity under solar irradiation of TiO_2 nanotubes decorated with CdS quantum dots. Journal of Environmental Chemical Engineering, 2021, 9, 104816.	3.3	14
119	The Effect of AgInS_2 , SnS , CuS_2 , Bi_2S_3 Quantum Dots on the Surface Properties and Photocatalytic Activity of QDs-Sensitized TiO_2 Composite. Catalysts, 2020, 10, 403.	1.6	13
120	Photocatalytic activity of solvothermal prepared BiOClBr with imidazolium ionic liquids as a halogen sources in cytostatic drugs removal. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 382, 111932.	2.0	12
121	Electric and magnetic properties of lanthanum barium cobaltite. Journal of the American Ceramic Society, 2020, 103, 1809-1818.	1.9	12
122	Emerging oxidized and defective phases in low-dimensional CrCl_3 . Nanoscale Advances, 2021, 3, 4756-4766.	2.2	12
123	Synthesis and magnetic properties of $(\text{Ba,Bi})_{1.54}\text{Rh}_8\text{O}_{16}$ hollandite. Materials Research Bulletin, 2004, 39, 1671-1677.	2.7	11
124	Effect of Bi substitution on the superconductivity of MgCNi_3 . Physical Review B, 2005, 71, .	1.1	11
125	Heat capacities and thermodynamic properties of antimony substituted lanthanum orthoniobates. Ceramics International, 2016, 42, 7054-7059.	2.3	11
126	Superconducting SrSnP with Strong Sn^2P Antibonding Interaction: Is the Sn Atom Single or Mixed Valent?. Chemistry of Materials, 2018, 30, 6005-6013.	3.2	11

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127	Enhanced Mobility and Large Linear Nonsaturating Magnetoresistance in the Magnetically Ordered States of $TmNiC_2$. Physical Review Letters, 2020, 125, 176601.	2.9	11
128	Superconductivity on a Bi Square Net in LiBi. Chemistry of Materials, 2020, 32, 3150-3159.	3.2	11
129	The effect of Fe and Ru substitution on the superconductivity in MgCNi ₃ . Solid State Communications, 2004, 132, 379-382.	0.9	10
130	Magnetic properties of ferromagnetic Pu ₂ Pt ₃ Si ₅ . Journal of Alloys and Compounds, 2013, 576, 409-414.	2.8	10
131	Crystal structure and electronic structure of CePt ₂ In ₇ . Journal of Physics Condensed Matter, 2014, 26, 402201.	0.7	10
132	Design, Synthesis, and Enzymatic Evaluation of Novel ZnO Quantum Dot-Based Assay for Detection of Proteinase 3 Activity. Bioconjugate Chemistry, 2018, 29, 1576-1583.	1.8	10
133	Highly Active TiO ₂ Microspheres Formation in the Presence of Ethylammonium Nitrate Ionic Liquid. Catalysts, 2018, 8, 279.	1.6	10
134	TiO ₂ CoxOy composite nanotube arrays via one step electrochemical anodization for visible light-induced photocatalytic reaction. Surfaces and Interfaces, 2018, 12, 179-189.	1.5	10
135	Integrated Experimental and Theoretical Approach for Efficient Design and Synthesis of Gold-Based Double Halide Perovskites. Journal of Physical Chemistry C, 2020, 124, 26769-26779.	1.5	10
136	RuAl ₆ —An Endohedral Aluminide Superconductor. Chemistry of Materials, 2020, 32, 3805-3812.	3.2	10
137	Superconductivity in LiGa ₂ Ir Heusler type compound with VEC=16. Scientific Reports, 2021, 11, 16517.	1.6	10
138	Lanthanide-organic-frameworks modified ZnIn ₂ S ₄ for boosting hydrogen generation under UV and visible light. International Journal of Hydrogen Energy, 2022, 47, 16065-16079.	3.8	10
139	Growth and characterization of PrBa ₂ Cu ₃ O _{7-δ} single crystals. Physica C: Superconductivity and Its Applications, 1994, 235-240, 363-364.	0.6	9
140	Cluster-glass behavior of a highly oxygen deficient perovskite, BaBi _{0.28} Co _{0.72} O _{2.2} . Journal of Physics Condensed Matter, 2009, 21, 105801.	0.7	9
141	Superconductivity in the Einstein solid VAl _{10.1} . Journal of Physics Condensed Matter, 2012, 24, 365701.	0.7	9
142	Fabrication of Durable Ordered Ta ₂ O ₅ Nanotube Arrays Decorated with Bi ₂ S ₃ Quantum Dots. Nanomaterials, 2019, 9, 1347.	1.9	9
143	Crystal fields, disorder, and antiferromagnetic short-range order in Yb _{0.24} Sn _{0.76} Ru. Physical Review B, 2011, 84, .	1.1	8
144	The homometallic warwickite V ₂ OBO ₃ . Journal of Solid State Chemistry, 2018, 265, 319-325.	1.4	8

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145	Crystal Growth, Structure, and Magnetism of the 2D Spin $\sqrt{3} \times \sqrt{3}$ Triangular Lattice Material $\text{Rb}_3\text{Yb}(\text{PO}_4)_2$. Chemistry of Materials, 2020, 32, 10670-10677.	3.2	8
146	Superconductivity in Metal-Rich Chalcogenide Ta_2Se . Inorganic Chemistry, 2020, 59, 5798-5802.	1.9	8
147	In-plane and out-of-plane temperature dependencies of the resistivity in single crystals and films of Nd_2CuO_4 . Physica C: Superconductivity and Its Applications, 2003, 388-389, 323-324.	0.6	7
148	A resistivity peak close to T_c in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ single crystals. Physica C: Superconductivity and Its Applications, 2003, 387, 203-207.	0.6	7
149	Absence of superconductivity in fluorine-doped neptunium pnictide NpFeAsO . Journal of Physics Condensed Matter, 2015, 27, 325702.	0.7	7
150	Physical properties and electronic structure of La_3Co and La_3Ni intermetallic superconductors. Physica C: Superconductivity and Its Applications, 2016, 528, 73-83.	0.6	7
151	Characterization methods of nickel nano-particles obtained by the ex-solution process on the surface of Pr, Ni-doped SrTiO_3 perovskite ceramics. SN Applied Sciences, 2019, 1, 1.	1.5	7
152	Investigation of magnetic order in a new intermetallic compound Nd_2PtGe_3 . Journal of Magnetism and Magnetic Materials, 2021, 521, 167494.	1.0	7
153	Group-9 Transition-Metal Suboxides Adopting the Filled- Ti_2Ni Structure: A Class of Superconductors Exhibiting Exceptionally High Upper Critical Fields. Chemistry of Materials, 2021, 33, 8722-8732.	3.2	7
154	Effect of substituting Fe and Ru for Ni on the thermopower of MgCNi_3 . Physical Review B, 2007, 76, .	11.6	6
155	Ab initio Structure Determination of $\text{Mg}_{10}\text{Ir}_{19}\text{B}_{16}$. Chemistry of Materials, 2009, 21, 2499-2507.	3.2	6
156	Crystal structure and physical properties of new Ca_2TGe_3 (T = Pd and Pt) germanides. Journal of Solid State Chemistry, 2016, 243, 95-100.	1.4	6
157	A tetragonal polymorph of SrMn_2P_2 made under high pressure – theory and experiment in harmony. Dalton Transactions, 2017, 46, 6835-6838.	1.6	6
158	Modified Manganese Phosphate Conversion Coating on Low-Carbon Steel. Materials, 2020, 13, 1416.	1.3	6
159	Structural properties of superconducting $\text{PrBa}_2\text{Cu}_3\text{O}_{7-\delta}$ single crystals. Physica C: Superconductivity and Its Applications, 2000, 341-348, 523-524.	0.6	5
160	Structure and Magnetic Properties of $\text{Eu}_2\text{CaCu}_2\text{O}_6$. Chemistry of Materials, 2006, 18, 4585-4591.	3.2	5
161	$\text{Ca}_{25}\text{Co}_{22}\text{O}_{56}(\text{OH})_{28}$: A layered misfit compound. Materials Research Bulletin, 2006, 41, 1673-1680.	2.7	5
162	Hybridization-driven gap in $\text{U}_3\text{Bi}_4\text{Ni}_3$: $\text{AB}_{209}\text{iNMR/NQR}$ study. Physical Review B, 2009, 79, .	1.1	5

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163	A Family of Pb-based Superconductors with Variable Cubic to Hexagonal Packing. Journal of the Physical Society of Japan, 2018, 87, 074711.	0.7	5
164	Correlation between charge density waves and antiferromagnetism in Nd _{1-x} Gd _x NiC ₂ solid solutions. Physical Review B, 2018, 98, .	1.1	5
165	Synthesis, structure and physical properties of new intermetallic spin glass-like compounds RE_2PdGe_3 ($\text{RE} = \text{Er}, \text{Tb}$ and Dy). Journal of Physics Condensed Matter, 2020, 32, 225706.	0.7	5
166	Superconductivity in the Endohedral Ga Cluster Compound PdGa ₅ . Journal of Physical Chemistry C, 2021, 125, 11294-11299.	1.5	5
167	Determination of the refractive index and wavelength-dependent optical properties of few-layer CrCl within the Fresnel formalism. Journal of Microscopy, 2021, 283, 145-150.	0.8	5
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