Tomasz Klimczuk

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5788589/publications.pdf

Version: 2024-02-01

226	6,367	81839	88593
papers	citations	39 h-index	70 g-index

236	236	236	7631
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ti/TiO2 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
2	Solar-driven photoelectrocatalytic degradation of anticancer drugs using TiO₂nanotubes decorated with SnS quantum dots. Dalton Transactions, 2022, 51, 5962-5976.	1.6	2
3	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, .	1.1	4
4	A novel (Ti/Ce)UiO-X MOFs@TiO2 heterojunction for enhanced photocatalytic performance: Boosting via Ce4+/Ce3+ and Ti4+/Ti3+ redox mediators. Applied Catalysis B: Environmental, 2022, 310, 121349.	10.8	28
5	Possible quadrupole-order-driven commensurate-incommensurate phase transition in B20 CoGe. Physical Review B, 2022, 105, .	1.1	1
6	Ce site dilution effects in the antiferromagnetic heavy fermion <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CeIn</mml:mi><mml:mn>3</mml:mn></mml:msub></mml Physical Review Materials, 2022, 6, .	0.9	3
7	Eu₂Mg₃Bi₄: Competing Magnetic Orders on a Buckled Honeycomb Lattice. Chemistry of Materials, 2022, 34, 3902-3909.	3.2	0
8	Lanthanide-organic-frameworks modified ZnIn2S4 for boosting hydrogen generation under UVâ€“Vis and visible light. International Journal of Hydrogen Energy, 2022, 47, 16065-16079.	3.8	10
9	Fe_{3â€“x}InSn_xO₆ (x = 0, 0.25, or 0.5): A Family of Corundum Derivatives with Sn-Induced Polarization and Above Room Temperature Antiferromagnetic Ordering. Chemistry of Materials, 2022, 34, 5020-5029.	3.2	2
10	New approach for the synthesis of Ag3PO4-graphene photocatalysts. Materials Science in Semiconductor Processing, 2022, 149, 106851.	1.9	3
11	Nblr 2 B 2 and Talr 2 B 2 â€“ New Low Symmetry Noncentrosymmetric Superconductors with Strong Spinâ€“Orbit Coupling. Advanced Functional Materials, 2021, 31, 2007960.	7.8	18
12	Effect of synthesis method parameters on properties and photoelectrocatalytic activity under solar irradiation of TiO2 nanotubes decorated with CdS quantum dots. Journal of Environmental Chemical Engineering, 2021, 9, 104816.	3.3	14
13	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
14	Investigation of magnetic order in a new intermetallic compound Nd2PtGe3. Journal of Magnetism and Magnetic Materials, 2021, 521, 167494.	1.0	7
15	Polytypism and superconductivity in the NbS₂system. Dalton Transactions, 2021, 50, 3216-3223.	1.6	20
16	Emerging oxidized and defective phases in low-dimensional CrCl₃. Nanoscale Advances, 2021, 3, 4756-4766.	2.2	12
17	Ho2Pd1.3Ge2.7 â€“ a ternary AlB2-type cluster glass system. RSC Advances, 2021, 11, 25187-25193.	1.7	2
18	Superconductivity in the Endohedral Ga Cluster Compound PdGa₅. Journal of Physical Chemistry C, 2021, 125, 11294-11299.	1.5	5

#	Article	IF	Citations
19	Determination of the refractive index and wavelengthâ€dependent optical properties of fewâ€layer CrCl within the Fresnel formalism. Journal of Microscopy, 2021, 283, 145-150.	0.8	5
20	Towards Computer-Aided Graphene Covered TiO2-Cu/(CuxOy) Composite Design for the Purpose of Photoinduced Hydrogen Evolution. Catalysts, 2021, 11, 698.	1.6	3
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><mml:mi><mml:r : A Mg-based Heusler-type superconductor. Physical Review B, 2021, 103, .	1.1	15
22	Superconductivity with High Upper Critical Field in the Cubic Centrosymmetric Î·-Carbide Nb₄Rh₂C_{1âˆ’Î´}. ACS Materials Au, 2021, 1, 55-61.	2.6	16
23	Structure and magnetic properties of BeO-Fe2O3-Al2O3-TeO2 glass-ceramic composites. Journal of the European Ceramic Society, 2021, 41, 5214-5222.	2.8	17
24	Superconductivity in LiGa2Ir Heusler type compound with VECâ€‰=â€‰16. Scientific Reports, 2021, 11, 16517.	1.6	10
25	Strong-coupling superconductivity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrIr</mml:mi><mml:mn>2</mml:mn></mml:msub></m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrRh</mml:mi><mml:mn>2</mml:mn></mml:msub></ . Phonon engineering of metallic Ir and Rh. Physical Review B, 2021, 104, .	1.1	15
26	Visible-light-driven lanthanide-organic-frameworks modified TiO2 photocatalysts utilizing up-conversion effect. Applied Catalysis B: Environmental, 2021, 291, 120056.	10.8	35
27	Boron-Doped Diamond/GaN Heterojunctionâ€”The Influence of the Low-Temperature Deposition. Materials, 2021, 14, 6328.	1.3	0
28	Group-9 Transition-Metal Suboxides Adopting the Filled-Ti₂Ni Structure: A Class of Superconductors Exhibiting Exceptionally High Upper Critical Fields. Chemistry of Materials, 2021, 33, 8722-8732.	3.2	7
29	Electric and magnetic properties of lanthanum barium cobaltite. Journal of the American Ceramic Society, 2020, 103, 1809-1818.	1.9	12
30	Enhanced Mobility and Large Linear Nonsaturating Magnetoresistance in the Magnetically Ordered States of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>TmNiC</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn><mml:mn> Physical Review Letters, 2020, 125, 176601.	2.9	11
31	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
32	Crystal Growth, Structure, and Magnetism of the 2D Spin ¹/₂ Triangular Lattice Material Rb₃Yb(PO₄)₂. Chemistry of Materials, 2020, 32, 10670-10677.	3.2	8
33	Pseudo-superparamagnetic behaviour of barium hexaferrite particles. RSC Advances, 2020, 10, 18784-18796.	1.7	22
34	Enhancement of the Magnetic Coupling in Exfoliated CrCl₃ Crystals Observed by Lowâ€Temperature Magnetic Force Microscopy and Xâ€ray Magnetic Circular Dichroism. Advanced Materials, 2020, 32, e2000566.	11.1	26
35	Synergy between AgInS2 quantum dots and ZnO nanopyramids for photocatalytic hydrogen evolution and phenol degradation. Journal of Hazardous Materials, 2020, 398, 123250.	6.5	22
36	Single crystal growth and physical properties of MCo2Al9 (M= Sr, Ba). Journal of Solid State Chemistry, 2020, 289, 121509.	1.4	4

#	Article	IF	Citations
37	Superconductivity on a Bi Square Net in LiBi. Chemistry of Materials, 2020, 32, 3150-3159.	3.2	11
38	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.	1.7	2
39	Mechanical exfoliation and layer number identification of single crystal monoclinic CrCl₃. Nanotechnology, 2020, 31, 395706.	1.3	28
40	Modified Manganese Phosphate Conversion Coating on Low-Carbon Steel. Materials, 2020, 13, 1416.	1.3	6
41	Urchin-like TiO2 structures decorated with lanthanide-doped Bi2S3 quantum dots to boost hydrogen photogeneration performance. Applied Catalysis B: Environmental, 2020, 272, 118962.	10.8	68
42	RuAl₆â€”An Endohedral Aluminide Superconductor. Chemistry of Materials, 2020, 32, 3805-3812.	3.2	10
43	Superconductivity in Metal-Rich Chalcogenide Ta₂Se. Inorganic Chemistry, 2020, 59, 5798-5802.	1.9	8
44	The Effect of AgInS2, SnS, CuS2, Bi2S3 Quantum Dots on the Surface Properties and Photocatalytic Activity of QDs-Sensitized TiO2 Composite. Catalysts, 2020, 10, 403.	1.6	13
45	Soft-mode enhanced type-I superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LiP</mml:mi><mml:msub><mml:mi mathvariant="normal">d</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Ge</mml:mi></mml:mrow></mml:math>. Physical Review B, 2020, 102, .	1.1	15
46	Synthesis of CoFe₂O₄ 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
47	Crystal structure and physical properties of a novel ternary compound La15Mo Ge9. Chemical Physics Letters, 2019, 730, 612-616.	1.2	1
48	Crossover from charge density wave stabilized antiferromagnetism to superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Nd</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow><mml:mi mathvariant="normal">La</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">NiC</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> compounds. Physical Review B, 2019, 99, .	1.1	4
49	TiO2 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
50	Fabrication of Durable Ordered Ta2O5 Nanotube Arrays Decorated with Bi2S3 Quantum Dots. Nanomaterials, 2019, 9, 1347.	1.9	9
51	Low-Dimensional Magnetic Semimetal Cr_{0.65}Al_{1.35}Se₃. Inorganic Chemistry, 2019, 58, 13960-13968.	1.9	0
52	Pressure effects on the electronic structure and superconductivity of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mi>TaNb</mml:mi> high entropy alloy. Physical Review B, 2019, 100, .	1.1	16
53	Superconductivity in the intermetallic compound Zr₅Al₄. Europhysics Letters, 2019, 127, 37005.	0.7	3
54	Shape-controllable synthesis of GdVO₄ photocatalysts and their tunable properties in photocatalytic hydrogen generation. Dalton Transactions, 2019, 48, 1662-1671.	1.6	20

#	Article	IF	Citations
55	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
56	Crystal structure, chemical bonding, and physical properties of layered AIrSn2 (Aâ€‰=â€‰Sr and Ba). Journal of Materials Science, 2019, 54, 11127-11133.	1.7	3
57	Pt-rich intermetallic APt8P2 (AÂ= Ca and La). Journal of Alloys and Compounds, 2019, 798, 53-58.	2.8	2
58	Charge density wave and large nonsaturating magnetoresistance in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YNiC</mml:mi><mml:mn>2</mml:mn></mml:msub></mm and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LuNiC</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2019, 99, .	1.1	15
59	The electronic characterization of the cubic Laves-phase superconductor CaRh2. Journal of Alloys and Compounds, 2019, 793, 393-399.	2.8	19
60	Synthesis and physical properties of the 10.6 K ferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Nd</mml:mi><mml:msub><mml:mi>Ir</mml:mi> Physical Review B, 2019, 99, .	1.1	4
61	Characterization methods of nickel nano-particles obtained by the ex-solution process on the surface of Pr, Ni-doped SrTiO3 perovskite ceramics. SN Applied Sciences, 2019, 1, 1.	1.5	7
62	Importance of Specific Heat Characterization when Reporting New Superconductors: An Example of Superconductivity in LiGa₂Rh. Chemistry of Materials, 2019, 31, 2164-2173.	3.2	18
63	New Tetragonal ReGa5(M) (M = Sn, Pb, Bi) Single Crystals Grown from Delicate Electrons Changing. Crystals, 2019, 9, 527.	1.0	1
64	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, .	1.1	14
65	Optical and photocatalytic properties of rare earth metal-modified ZnO quantum dots. Applied Surface Science, 2019, 464, 651-663.	3.1	64
66	A new simple approach to prepare rare-earth metals-modified TiO2 nanotube arrays photoactive under visible light: Surface properties and mechanism investigation. Results in Physics, 2019, 12, 412-423.	2.0	30
67	CeIr₃: superconductivity in a phase based on tetragonally close packed clusters. Superconductor Science and Technology, 2019, 32, 025008.	1.8	14
68	Ternary Bismuthide SrPtBi₂: Computation and Experiment in Synergism to Explore Solid-State Materials. Journal of Physical Chemistry C, 2018, 122, 5057-5063.	1.5	4
69	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
70	Mono- and bimetallic nanoparticles decorated KTaO3 photocatalysts with improved Vis and UVâ€“Vis light activity. Applied Surface Science, 2018, 441, 993-1011.	3.1	26
71	Recovery of silver metallization from damaged silicon cells. Solar Energy Materials and Solar Cells, 2018, 176, 190-195.	3.0	49
72	Dependence between Ionic Liquid Structure and Mechanism of Visible-Light-Induced Activity of TiO₂ Obtained by Ionic-Liquid-Assisted Solvothermal Synthesis. ACS Sustainable Chemistry and Engineering, 2018, 6, 3927-3937.	3.2	21

#	Article	IF	Citations
73	Extended phase diagram of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:msub><mml:mi>Ni</mml:mi><mml:mi> family: Linear scaling of the Peierls temperature. Physical Review B, 2018, 97, .	3.7	24
74	TaRh ₂ B ₂ and NbRh ₂ B ₂ : Superconductors with a chiral noncentrosymmetric crystal structure. Science Advances, 2018, 4, eaar7969.	4.7	73
75	Visible light photocatalysis employing TiO2/SrTiO3-BiOI composites: Surface properties and photoexcitation mechanism. Molecular Catalysis, 2018, 452, 154-166.	1.0	18
76	Rare earth ions doped K2Ta2O6 photocatalysts with enhanced UVâ€“vis light activity. Applied Catalysis B: Environmental, 2018, 224, 451-468.	10.8	46
77	Studies on novel BiyXz-TiO2/SrTiO3 composites: Surface properties and visible light-driven photoactivity. Applied Surface Science, 2018, 435, 1174-1186.	3.1	16
78	Manganese Phosphatizing Coatings: The Effects of Preparation Conditions on Surface Properties. Materials, 2018, 11, 2585.	1.3	29
79	Superconductivity in the superhard boride WB_{4.2}. Superconductor Science and Technology, 2018, 31, 115005.	1.8	19
80	The Ï*f*-phase superconductors Nb20.4Rh5.7Ge3.9 and Nb20.4Rh5.7Si3.9. Solid State Communications, 2018, 284-286, 96-101.	0.9	1
81	La15NbxGe9: a superstructure of the Mn5Si3 structure type with interstitial Nb atoms. Journal of Solid State Chemistry, 2018, 265, 50-54.	1.4	2
82	The homometallic warwickite V2OBO3. Journal of Solid State Chemistry, 2018, 265, 319-325.	1.4	8
83	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
84	Monometallic nanoparticles decorated and rare earth ions doped KTaO3/K2Ta2O6 photocatalysts with enhanced pollutant decomposition and improved H2 generation. Journal of Catalysis, 2018, 364, 371-381.	3.1	29
85	Highly Active TiO2 Microspheres Formation in the Presence of Ethylammonium Nitrate Ionic Liquid. Catalysts, 2018, 8, 279.	1.6	10
86	Shape-dependent enhanced photocatalytic effect under visible light of Ag3PO4 particles. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 240-252.	2.0	33
87	Structural and physical characterization of NpPt2In7. Journal of Alloys and Compounds, 2018, 768, 852-858.	2.8	1
88	Correlation between charge density waves and antiferromagnetism in Nd1â^'xGdxNiC2 solid solutions. Physical Review B, 2018, 98, .	1.1	5
89	Electrochemically Obtained TiO2/CuxOy Nanotube Arrays Presenting a Photocatalytic Response in Processes of Pollutants Degradation and Bacteria Inactivation in Aqueous Phase. Catalysts, 2018, 8, 237.	1.6	16
90	Superconducting SrSnP with Strong Snâ€“P Antibonding Interaction: Is the Sn Atom Single or Mixed Valent?. Chemistry of Materials, 2018, 30, 6005-6013.	3.2	11

#	Article	IF	Citations
91	TiO2CoxOy composite nanotube arrays via one step electrochemical anodization for visible lightâ€“induced photocatalytic reaction. Surfaces and Interfaces, 2018, 12, 179-189.	1.5	10
92	Spin-glass behavior in a binary Pr3Ir intermetallic compound. Intermetallics, 2018, 100, 63-69.	1.8	4
93	Magnetic semiconductor photocatalysts for the degradation of recalcitrant chemicals from flow back water. Journal of Environmental Management, 2017, 195, 157-165.	3.8	31
94	Photoactivity of decahedral TiO2 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
95	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.	5.5	76
96	Synthesis and properties of Ho T 2 Al 20 (T Â= Ti, V, Cr) intermetallic cage compounds. Intermetallics, 2017, 85, 103-109.	1.8	14
97	TiO2/SrTiO3 and SrTiO3 microspheres decorated with Rh, Ru or Pt nanoparticles: Highly UVâ€“vis responsible photoactivity and mechanism. Journal of Catalysis, 2017, 350, 159-173.	3.1	51
98	Novel decahedral TiO 2 photocatalysts modified with Ru or Rh NPs: Insight into the mechanism. Molecular Catalysis, 2017, 434, 154-166.	1.0	19
99	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.	10.8	35
100	A tetragonal polymorph of SrMn₂P₂made under high pressure â€“ theory and experiment in harmony. Dalton Transactions, 2017, 46, 6835-6838.	1.6	6
101	Fermi-liquid behavior of binary intermetallic compounds Y3M(Mâ€‰â€‰=â€‰â€‰Co, Ni, Rh, Pd, Ir, Pt). Materials Research Express, 2017, 4, 066501.	0.8	2
102	S-Shaped Suppression of the Superconducting Transition Temperature in Cu-Intercalated NbSe₂. Chemistry of Materials, 2017, 29, 3704-3712.	3.2	34
103	Synthesis and properties of AxV2Al20 (AÂ= Th, U, Np, Pu) ternary actinide aluminides. Journal of Alloys and Compounds, 2017, 696, 1113-1119.	2.8	19
104	Enhanced photocatalytic properties of lanthanide-TiO2 nanotubes: An experimental and theoretical study. Applied Catalysis B: Environmental, 2017, 205, 376-385.	10.8	87
105	Growth, Crystal Structure and Magnetic Characterization of Zn-Stabilized CePtIn₄. Journal of the Physical Society of Japan, 2017, 86, 084710.	0.7	2
106	New Ï*f*-phases in the Nbâ€“Xâ€“Ga and Nbâ€“Xâ€“Al systems (X = Ru, Rh, Pd, Ir, Pt, and Au). Dalton Transactions, 2017, 46, 14158-14163.	1.6	1
107	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
108	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.	1.5	30

#	Article	IF	Citations
109	Preparation and photocatalytic activity of Nd-modified TiO2 photocatalysts: Insight into the excitation mechanism under visible light. Journal of Catalysis, 2017, 353, 211-222.	3.1	43
110	Superconductivity in a new intermetallic structure type based on endohedral <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ta</mml:mi><mml:mo>@</mml:mo><mml:mi mathvariant="normal">I</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mn>7</mml:mn></mml:msub><mml:mi mathvariant="normal">G</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> cluste	1.1	16
111	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:msub><mml:mtext>NiC</mml:mtext><mml:mn>2</mml:mn></mml:msub><mml:mo>(</mml:mo><mml:mrow><mml:mi>R</mml:mi><mml:mo>=</mml:mo><mml:mtext>Ce,</mml:mtext><mml:mspace width="0.16em" /></mml:mo></mml:mrow>	1.1	31
112	The effects of bifunctional linker and reflux time on the surface properties and photocatalytic activity of CdTe quantum dots decorated KTaO3 composite photocatalysts. Applied Catalysis B: Environmental, 2017, 203, 452-464.	10.8	50
113	Crystal structure and low-energy Einstein mode in ErV 2 Al 20 intermetallic cage compound. Journal of Solid State Chemistry, 2017, 245, 10-16.	1.4	22
114	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
115	The LaPdIn4 indide and elementary properties of the LaTIn4 (TÂ=ÂNi, Pd, Pt) materials family. Journal of Alloys and Compounds, 2017, 694, 682-686.	2.8	2
116	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
117	Design and Application of Magnetic Photocatalysts for Water Treatment. The Effect of Particle Charge on Surface Functionality. Catalysts, 2017, 7, 360.	1.6	49
118	Superconductivity in the Nb-Ru-Ge <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ïƒ</mml:mi></mml:math> phase. Physical Review Materials, 2017, 1, .	0.9	2
119	Superconductivity and itinerant ferromagnetism of Y₉Co₇probed by ac susceptibility. Journal of Physics Condensed Matter, 2016, 28, 166006.	0.7	0
120	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, .	1.1	14
121	Tuning the ferromagnetic phase in the CDW compound SmNiC2 via chemical alloying. Scientific Reports, 2016, 6, 26530.	1.6	16
122	The effect of metal cluster deposition route on structure and photocatalytic activity of mono- and bimetallic nanoparticles supported on TiO2 by radiolytic method. Applied Surface Science, 2016, 378, 37-48.	3.1	66
123	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.	10.8	110
124	Superconductivity in CaBi₂. Physical Chemistry Chemical Physics, 2016, 18, 21737-21745.	1.3	31
125	Physical properties and electronic structure of La3Co and La3Ni intermetallic superconductors. Physica C: Superconductivity and Its Applications, 2016, 528, 73-83.	0.6	7
126	Crystal structure and physical properties of new Ca2TGe3 (T = Pd and Pt) germanides. Journal of Solid State Chemistry, 2016, 243, 95-100.	1.4	6

#	Article	IF	Citations
127	Preparation, characterization and photocatalytic activity of TiO 2 microspheres decorated by bimetallic nanoparticles. Journal of Molecular Catalysis A, 2016, 424, 241-253.	4.8	19
128	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"		

#	Article	IF	Citations
145	237Np MÃ¶ssbauer effect study on NpFeAsO. Journal of Physics Condensed Matter, 2014, 26, 156002.	0.7	2
146	Crystal structure and electronic structure of CePt₂In₇. Journal of Physics Condensed Matter, 2014, 26, 402201.	0.7	10
147	Synthesis, single crystal growth and properties of Sr 5 Pb 3 ZnO 12. Journal of Alloys and Compounds, 2014, 617, 63-68.	2.8	1
148	Noncentrosymmetric superconductor with a bulk three-dimensional Dirac cone gapped by strong spin-orbit coupling. Physical Review B, 2014, 89, .	1.1	142
149	Evidence for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrHo</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrDy</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>as model<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>J</mml:mi>. Physical Review B, 2014, 8	1.1	38
150	Pressure-induced phase transitions in LnTe (Ln=La, Gd, Ho, Yb) and AmTe. Journal of Physics Condensed Matter, 2013, 25, 265401.	0.7	3
151	Magnetic properties of ferromagnetic Pu2Pt3Si5. Journal of Alloys and Compounds, 2013, 576, 409-414.	2.8	10
152	Measuring radioactive powder samples on the high-resolution powder diffraction beamline at the European Synchrotron Radiation Facility. Journal of Applied Crystallography, 2013, 46, 567-569.	1.9	3
153	Structure and paramagnetism in weakly correlated Y₈Co₅. Journal of Physics Condensed Matter, 2013, 25, 125701.	0.7	3
154	Superconductivity in the Cu(Ir<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	1.1	21
155	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml: Superconductivity in the Heusler family of intermetallics. Physical Review B, 2012, 85, .	1.1	126
156	Bulk properties and electronic structure of PuFeAsO. Physical Review B, 2012, 86, .	1.1	15
157	Negative thermal expansion and antiferromagnetism in the actinide oxypnictide NpFeAsO. Physical Review B, 2012, 85, .	1.1	34
158	Localized anharmonic rattling of Al atoms in VAl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>10.1</mml:mn></mml:mrow></mml:msub></mml:math>. Physical Review B, 2012, 85, .	1.1	38
159	Superconductivity in the Einstein solid V Al_{10.1}. Journal of Physics Condensed Matter, 2012, 24, 365701.	0.7	9
160	The comparison of SrTi0.98Nb0.02O3â€“Î´-CeO2 and SrTi0.98Nb0.02O3â€“Î´-YSZ composites for use in SOFC anodes. Journal of Electroceramics, 2012, 28, 132-138.	0.8	15
161	Relation between Structure and Magnetic Properties of Microstructured PrAlO3. Acta Physica Polonica A, 2012, 121, 1315-1317.	0.2	4
162	Crystal structure and physical properties of NpRh,Sn, a new Np-based ternary compound. Journal of Physics: Conference Series, 2011, 273, 012024.	0.3	4

#	Article	IF	Citations
163	Crystal growth of CsCl-type Yb0.24Sn0.76Ru. Journal of Crystal Growth, 2011, 318, 1005-1008.	0.7	1
164	Crystal fields, disorder, and antiferromagnetic short-range order in Yb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.24</mml:mn></mml:mrow></mml:msub></mml:math>Sn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.76</mml:mn></mml:mrow></mml:msub></mml:math>Ru. Physical Review B, 2011, 84, .	1.1	8
165	Muon spin rotation/relaxation measurements of the noncentrosymmetric superconductorMg10Ir19B16. Physical Review B, 2010, 82, .	1.1	25
166	Influence of magnetic field on electronic conduction of (Bi,Pb)â€“Srâ€“Caâ€“Cuâ€“O granular superconductors. Journal of Non-Crystalline Solids, 2010, 356, 1943-1947.	1.5	0
167	Superconductivity in the Rh-based Heusler family<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>M</mml:mi><mml:msub><mml:mrow><mml:mtext>Rh</mml:mtext></mml:mrow><mml:mn Physical Review B, 2010, 82, .	1.1	2
168	Magnetic Field Influence on the Superconducting Transition in Granular (BiPb)-Sr-Ca-Cu-O Superconductors. Acta Physica Polonica A, 2010, 118, 373-374.	0.2	2
169	Hybridization-driven gap inU3Bi4Ni3: AB209iNMR/NQR study. Physical Review B, 2009, 79, .	1.1	5
170	Magnetic properties of the garnet and glass forms of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Mn</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msu Physical Review B, 2009, 80, .	1.1	22
171	Stoichiometry, spin fluctuations, and superconductivity in LaNiPO. Physical Review B, 2009, 79, .	1.1	14
172	Insulator to correlated metal transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mtext>V</mml:mtext><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><r Physical Review B, 2009, 79, .	1.1	79
173	Superconductivity at 2.2 K in the layered oxypnictideLa3Ni4P4O2. Physical Review B, 2009, 79, .	1.1	25
174	First-order magnetic transition in single-crystalline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CaFe</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:m by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>A</mml:mtext><mml:mprescripts /><mml:none /><mml:mrow><m. Physical Review B, 2009, 79, .	1.1	56
175	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
176	Ni2X2 (X=pnictide, chalcogenide, or B) based superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 396-403.	0.6	56
177	Ab initio Structure Determination of Mg₁₀Ir₁₉B₁₆. Chemistry of Materials, 2009, 21, 2499-2507.	3.2	6
178	TiO2 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
179	Crystal structure and physical properties of Mg6Cu16Si7-type M6Ni16Si7, for M=Mg, Sc, Ti, Nb, and Ta. Materials Research Bulletin, 2008, 43, 9-15.	2.7	14
180	Magnetism and structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Li</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>and comparison to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:m	1.1	129

#	Article	IF	Citations
181	Pressure-induced superconductivity in CaFe₂As₂. Journal of Physics Condensed Matter, 2008, 20, 322204.	0.7	170
182	Successive Orbital Ordering Transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>NaVO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2008, 101, 166402.	2.9	65
183	Synthesis and properties of CaFe₂As₂single crystals. Journal of Physics Condensed Matter, 2008, 20, 322201.	0.7	136
184	The first order phase transition and superconductivity in BaNi₂As₂single crystals. Journal of Physics Condensed Matter, 2008, 20, 342203.	0.7	134
185	Microscopic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mtext>A</mml:mtext><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>75</mml:mn></mml:mrow></mml:mmultiscripts><mml:mtext>s</mml:mtext></mml:mrow></mml:math>NMR study of the effect of impurities on the first-order spin-density-wave transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:m	1.1	13
186	Physical properties of the uranium ternary compoundsU3Bi4M3(M=Ni,Rh). Physical Review B, 2008, 77, .	1.1	3
187	Rich magnetic phase diagram of the kagome-staircase compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math>.	1.1	19
188	Effect of substituting Fe and Ru for Ni on the thermopower of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>MgCNi</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2007, 76, .	1.1	6
189	Electronic conduction in (Bi,Pb)â€“Srâ€“Caâ€“Cuâ€“O glass-ceramics. Journal of Non-Crystalline Solids, 2007, 353, 1023-1029.	1.5	4
190	Physical Properties of the Noncentrosymmetric Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Mg</mml:mi><mml:mn>10</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:mn>16</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2007, 99, 257004.	2.9	88
191	Synthesis and properties of the double perovskites La2NiVO6, La2CoVO6, and La2CoTiO6. Journal of Solid State Chemistry, 2007, 180, 75-83.	1.4	44
192	Influence of the improved reduction technique on superconductivity in Nd1.85Ce0.15Cu1Â±yO4âˆ’Î´. Physica C: Superconductivity and Its Applications, 2007, 460-462, 432-433.	0.6	2
193	The upper critical field in doped MgCNi3. Physica C: Superconductivity and Its Applications, 2007, 460-462, 706-707.	0.6	0
194	Conductivity and superconductivity of (Bi,Pb)â€“Srâ€“Caâ€“Cuâ€“O. Physica C: Superconductivity and Its Applications, 2007, 460-462, 847-848.	0.6	1
195	Magnetic structure and properties of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mn>5</mml:mn><mml:mo>âˆ•</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math>antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â€²</mml:mtext><mml:mi mathvariant="normal">Na</mml:mi><mml:mi mathvariant="normal">Fe</mml:mi><mml:msub><mml:mi	1.1	38
196	Structure and Magnetic Properties of Eu2CaCu2O6. Chemistry of Materials, 2006, 18, 4585-4591.	3.2	5
197	Atomic Substitution And Carbon Isotope Effect In Superconducting MgCNi3. AIP Conference Proceedings, 2006, , .	0.3	1
198	Superconductivity in CuxTiSe2. Nature Physics, 2006, 2, 544-550.	6.5	812

#	Article	IF	Citations
199	Synthesis, structure and physical properties of Ru ferrites: BaMRu5O11 (M=Li and Cu) and BaMâ€²2Ru4O11 (Mâ€²=Mn, Fe and Co). Journal of Solid State Chemistry, 2006, 179, 563-572.	1.4	53
200	Nanostructure characterization of (SmS)1.19TaS2 by means of STM/STS. Journal of Crystal Growth, 2006, 297, 7-9.	0.7	1
201	Ca25Co22O56(OH)28: A layered misfit compound. Materials Research Bulletin, 2006, 41, 1673-1680.	2.7	5
202	Superconductivity in noncentrosymmetricMg10Ir19B16. Physical Review B, 2006, 74, .	1.1	60
203	Superconductivity in three-layer Na0.3CoO2Â·1.3H2O. Solid State Communications, 2005, 133, 407-410.	0.9	20
204	Hydration phase diagram for sodium cobalt oxide Na0.3CoO2Â·yH2O. Materials Research Bulletin, 2005, 40, 665-670.	2.7	14
205	Effect ofB11substitution on the superconductivity ofMgCNi3. Physical Review B, 2005, 71, .	1.1	11
206	Nanometer structural columns and frustration of magnetic ordering inNb12O29. Physical Review B, 2005, 72, .	1.1	15
207	Supported Superparamagnetic Pd/Co Alloy Nanoparticles Prepared from a Silica/Cyanogel Co-gel. Chemistry of Materials, 2005, 17, 6216-6218.	3.2	34
208	Possible singlet-to-triplet pairing transition inNaxCoO2Â·yH2O. Physical Review B, 2004, 70, .	1.1	29
209	Carbon isotope effect in superconductingMgCNi3. Physical Review B, 2004, 70, .	1.1	42
210	Effect of Ru substitution for Ni on the superconductivity inMgCNi3â^'xRux. Physical Review B, 2004, 70, .	1.1	14
211	Synthesis of Three Layer NaxCoO2 (x=0.3, 0.5, 0.6, 0.75, 1.0) and Superconductivity in Three Layer Na0.3CoO2â€¢1.3H2O. Materials Research Society Symposia Proceedings, 2004, 848, 17.	0.1	0
212	Synthesis and magnetic properties of (Ba,Bi)1.54Rh8O16 hollandite. Materials Research Bulletin, 2004, 39, 1671-1677.	2.7	11
213	The effect of Fe and Ru substitution on the superconductivity in MgCNi3. Solid State Communications, 2004, 132, 379-382.	0.9	10
214	Superconductivity Phase Diagram of NaxCoO2Ã—1.3H2O.. ChemInform, 2003, 34, no.	0.1	1
215	Chemical instability of the cobalt oxyhydrate superconductor under ambient conditions. Solid State Communications, 2003, 127, 33-37.	0.9	87
216	In-plane and out-of-plane temperature dependencies of the resistivity in single crystals and films of Nd2CuO4. Physica C: Superconductivity and Its Applications, 2003, 388-389, 323-324.	0.6	7

#	Article	IF	Citations
217	A resistivity peak close to Tc in Nd2â^'xCexCuO4â^'y single crystals. Physica C: Superconductivity and Its Applications, 2003, 387, 203-207.	0.6	7
218	Superconductivity phase diagram of NaxCoO2Â·1.3H2O. Nature, 2003, 424, 527-529.	13.7	304
219	Structural properties of superconducting PrBa2Cu3O7â^'Î´ single crystals. Physica C: Superconductivity and Its Applications, 2000, 341-348, 523-524.	0.6	5
220	Surface studies of twinned of YBa2Cu3O7â^'Î´ crystals. Physica C: Superconductivity and Its Applications, 2000, 341-348, 533-534.	0.6	0
221	Crystal growth and the influence of oxygen stoichiometry on electrical resistivity of single crystals. Superconductor Science and Technology, 1999, 12, 199-202.	1.8	0
222	The influence of the temperature treatment on the Nd2-Ce CuO4- crystals surface. Vacuum, 1999, 54, 63-65.	1.6	0
223	Superconductivity in PrBa2Cu3O7â^'Î´ single crystals after high-temperature thermal treatment. Physica C: Superconductivity and Its Applications, 1999, 322, 57-64.	0.6	26
224	Scanning tunneling microscopy and spectroscopy study of Nd2â^'xCexCuO4â^'y. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1503-1504.	0.6	0
225	STM/AFM Images and Tunneling Spectra of Nd_{2-x}Ce_xCuO_{4-y}Single Crystals. Acta Physica Polonica A, 1997, 92, 209-214.	0.2	0
226	Growth and characterization of PrBa2Cu3O7-Î´ single crystals. Physica C: Superconductivity and Its Applications, 1994, 235-240, 363-364.	0.6	9