

Tiglet Besara

List of Publications by Year in descending order

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61
papers

2,627
citations

331670

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182427

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67
all docs

67
docs citations

67
times ranked

4061
citing authors

#	ARTICLE	IF	CITATIONS
1	Vacancy defect control of colossal thermopower in FeSb ₂ . Npj Quantum Materials, 2021, 6, .	5.2	13
2	A new topological semimetal candidate: SmMnBi ₂ . Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 577-583.	1.1	0
3	Superconductivity in single crystals of ZrP _{1.27} Se _{0.73} . Physical Review B, 2020, 102, .	3.2	1
4	Quantum Critical Point in the Itinerant Ferromagnet NiMn_2P . Physical Review Letters, 2020, 124, 117203.	7.8	14
5	Possible manifestations of the chiral anomaly and evidence for a magnetic field induced topological phase transition in the type-I Weyl semimetal TaAs. Physical Review B, 2019, 100, .	3.2	12
6	Antiferroelectric Phase Transition in a Proton-Transfer Salt of Squaric Acid and 2,3-Dimethylpyrazine. Journal of the American Chemical Society, 2019, 141, 16279-16287.	13.7	6
7	Gr ^{1/4} neisen divergence near the structural quantum phase transition in ScF ₃ . Philosophical Magazine, 2019, 99, 631-643.	1.6	4
8	Ba ₃ CrN ₃ H: A New Nitride-Hydride with Trigonal Planar Cr ⁴⁺ . Inorganic Chemistry, 2019, 58, 3302-3307.	4.0	16
9	Microstructure of hard biocompatible Ti ^x Aux alloys. Materials Characterization, 2019, 149, 133-142.	4.4	11
10	Mini volume collapse as evidence for a three-body magnetic polaron in Sm ^x EuxS. Physical Review Materials, 2019, 3, .	2.4	1
11	Single crystal elasticity of natural topaz at high-temperatures. Scientific Reports, 2018, 8, 1372.	3.3	12
12	Synthesis and Crystal Structure of the Layered Lanthanide Oxochlorides Ba ₃ Ln ₂ O ₅ Cl ₂ . Inorganic Chemistry, 2018, 57, 1727-1734.	4.0	9
13	Aging Effect of Zylon. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	4
14	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. Chemical Science, 2018, 9, 586-593.	7.4	467
15	A One-Dimensional Organic Lead Chloride Hybrid with Excitation-Dependent Broadband Emissions. ACS Energy Letters, 2018, 3, 1443-1449.	17.4	124
16	Effects of chemical disorder in the itinerant antiferromagnet Ti ^x V _{1-x} Au. Journal of Physics Condensed Matter, 2018, 30, 365602.	1.8	1
17	Electrochemical Doping of Halide Perovskites with Ion Intercalation. ACS Nano, 2017, 11, 1073-1079.	14.6	118
18	Growth of EuO single crystals at reduced temperatures. Physical Review B, 2017, 95, .	3.2	2

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19	Interacting nanoscale magnetic superatom cluster arrays in molybdenum oxide bronzes. <i>Nanoscale</i> , 2017, 9, 7922-7929.	5.6	6
20	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9018-9022.	13.8	242
21	Temperature-dependent elasticity of Pb	3.2	3
22	Bulk assembly of organic metal halide nanotubes. <i>Chemical Science</i> , 2017, 8, 8400-8404.	7.4	76
23	Gel Growth of $\text{K}_2\text{PbCu}(\text{NO}_2)_6$ -Elpasolite Single Crystals. <i>Crystal Growth and Design</i> , 2017, 17, 5170-5177.	3.0	2
24	Possible devil's staircase in the Kondo lattice CeSbSe . <i>Physical Review B</i> , 2017, 96, .	3.2	20
25	Quantum critical point in the Sc-doped itinerant antiferromagnet TiAu . <i>Physical Review B</i> , 2017, 95, .	3.2	8
26	Highly Efficient Broadband Yellow Phosphor Based on Zero-Dimensional Tin Mixed-Halide Perovskite. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44579-44583.	8.0	174
27	Landau-level spectroscopy of massive Dirac fermions in single-crystalline ZrTe_5 thin flakes. <i>Physical Review B</i> , 2017, 96, .		
28	Correlated electron state in CeCu_2Si_2 controlled through Si to P substitution. <i>Physical Review Materials</i> , 2017, 1, .	2.4	2
29	Electronic structure and magnetism in the layered triangular lattice compound CeAuAl_4 . <i>Physical Review Materials</i> , 2017, 1, .		
30	Single Crystal Growth of URu_2Si_2 by the Modified Bridgman Technique. <i>Crystals</i> , 2016, 6, 128.	2.2	4
31	A Solution-Processed Organometal Halide Perovskite Hole Transport Layer for Highly Efficient Organic Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2016, 2, 1600165.	5.1	25
32	Magnetic properties of doped Mn-Ga alloys made by mechanical milling and heat treatment. <i>AIP Advances</i> , 2016, 6, .	1.3	10
33	Uncovering the behavior of $\text{Hf}_2\text{Te}_2\text{P}$ and the candidate Dirac metal $\text{Zr}_2\text{Te}_2\text{P}$. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 14LT01.	1.8	10
34	Temperature-pressure phase diagram of cubic Laves phase Au_2Pb . <i>Physical Review B</i> , 2016, 93, .	3.2	14
35	Coexistence of Weyl physics and planar defects in the semimetals TaP and TaAs . <i>Physical Review B</i> , 2016, 93, .	3.2	40
36	High Magnetic Field Annealing of Mn-Ga Intermetallic Alloys. <i>MRS Advances</i> , 2016, 1, 227-233.	0.9	5

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37	High hardness in the biocompatible intermetallic compound $\hat{I}^2\text{-Ti}_{3\text{}}$ Au. Science Advances, 2016, 2, e1600319.	10.3	46
38	Influence of grain boundary characteristics on thermal stability in nanotwinned copper. Scientific Reports, 2016, 6, 31410.	3.3	25
39	Fully Printed Halide Perovskite Light-Emitting Diodes with Silver Nanowire Electrodes. ACS Nano, 2016, 10, 1795-1801.	14.6	261
40	Non-Fermi Liquid Behavior Close to a Quantum Critical Point in a Ferromagnetic State without Local Moments. Physical Review X, 2015, 5, .	8.9	11
41	Publisher's Note: Non-Fermi Liquid Behavior Close to a Quantum Critical Point in a Ferromagnetic State without Local Moments [Phys. Rev. X5, 011026 (2015)]. Physical Review X, 2015, 5, .	8.9	0
42	An itinerant antiferromagnetic metal without magnetic constituents. Nature Communications, 2015, 6, 7701.	12.8	33
43	A family of rare earth molybdenum bronzes: Oxides consisting of periodic arrays of interacting magnetic units. Journal of Solid State Chemistry, 2015, 227, 178-185.	2.9	3
44	Complex magnetism and strong electronic correlations in CePdGe . Physical Review B, 2015, 91, .	3.2	12
45	Ba_2TeO : A new layered oxytelluride. Journal of Solid State Chemistry, 2015, 222, 60-65.	2.9	7
46	Spin ordering and dynamics in the frustrated antiferromagnet YBaCo_4O . Physical Review B, 2014, 89, .	3.2	2
47	Stress distribution and lattice distortions in Nb_3Sn multifilament wires under uniaxial tensile loading at 4.2 K. Superconductor Science and Technology, 2014, 27, 044021.	3.5	23
48	Texture in state-of-the-art Nb_3Sn multifilamentary superconducting wires. Superconductor Science and Technology, 2014, 27, 025013.	3.5	15
49	Ferromagnetic Ordering in Superatomic Solids. Journal of the American Chemical Society, 2014, 136, 16926-16931.	13.7	58
50	Assembling Hierarchical Cluster Solids with Atomic Precision. Journal of the American Chemical Society, 2014, 136, 15873-15876.	13.7	56
51	Spin dynamics and magnetoelectric properties of the coupled-spin tetrahedral compound $\text{Cu}_2\text{Te}_2\text{O}_5\text{Cl}_2$. Physical Review B, 2014, 90, .	3.2	5
52	Single crystal synthesis and magnetism of the BaLn_2O_4 family ($\text{Ln}=\text{La}$ lanthanide). Progress in Solid State Chemistry, 2014, 42, 23-36.	7.2	33
53	A new oxytelluride: Perovskite and CsCl intergrowth in $\text{Ba}_3\text{Yb}_2\text{O}_5\text{Te}$. Journal of Solid State Chemistry, 2013, 203, 204-211.	2.9	6
54	Small and nearly isotropic hole-like Fermi surfaces in LiFeAs detected through de Haas-van Alphen effect. Physical Review B, 2013, 88, .	3.2	14

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55	Thermodynamic and transport properties of RSn ₂ (R=Tb, Tm, Lu, Y) single crystals. Journal of Magnetism and Magnetic Materials, 2013, 341, 6-16.	2.3	5
56	Nanoscale Atoms in Solid-State Chemistry. Science, 2013, 341, 157-160.	12.6	199
57	Anomalous metallic state and anisotropic multiband superconductivity in Nb ₃ Pd _{0.7} Se ₃ . Physical Review B, 2013, 87, .	3.2	27
58	Evidence for an internal-field-induced spin-flop configuration in the extended kagome YBaCo ₄ O ₇ . Physical Review B, 2013, 87, .	3.2	11
59	Superconductivity with extremely large upper critical fields in Nb ₂ Pd _{0.81} S ₅ . Scientific Reports, 2013, 3, 1446.	3.3	64
60	Mechanism of the order-disorder phase transition, and glassy behavior in the metal-organic framework [(CH ₃) ₂ NH] ₂ Zn(HCOO) ₃ . Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6828-6832.	7.1	187
61	Low-temperature spin dynamics in the kagome system Pr ₃ Physical Review B, 2010, 81, .	3.2	17