

Tiglet Besara

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3421752/publications.pdf>

Version: 2024-02-01

61
papers

2,627
citations

331670

21
h-index

182427

51
g-index

67
all docs

67
docs citations

67
times ranked

4061
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescent zero-dimensional organic metal halide hybrids with near-unity quantum efficiency. <i>Chemical Science</i> , 2018, 9, 586-593.	7.4	467
2	Fully Printed Halide Perovskite Light-Emitting Diodes with Silver Nanowire Electrodes. <i>ACS Nano</i> , 2016, 10, 1795-1801.	14.6	261
3	Low-Dimensional Organic Tin Bromide Perovskites and Their Photoinduced Structural Transformation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9018-9022.	13.8	242
4	Nanoscale Atoms in Solid-State Chemistry. <i>Science</i> , 2013, 341, 157-160.	12.6	199
5	Mechanism of the order-disorder phase transition, and glassy behavior in the metal-organic framework $[(CH_3)_3NH]_2Zn(HCOO)_3$. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6828-6832.	7.1	187
6	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
7	A One-Dimensional Organic Lead Chloride Hybrid with Excitation-Dependent Broadband Emissions. <i>ACS Energy Letters</i> , 2018, 3, 1443-1449.	17.4	124
8	Electrochemical Doping of Halide Perovskites with Ion Intercalation. <i>ACS Nano</i> , 2017, 11, 1073-1079.	14.6	118
9	Bulk assembly of organic metal halide nanotubes. <i>Chemical Science</i> , 2017, 8, 8400-8404.	7.4	76
10	Superconductivity with extremely large upper critical fields in Nb ₂ Pd _{0.81} S ₅ . <i>Scientific Reports</i> , 2013, 3, 1446.	3.3	64
11	Ferromagnetic Ordering in Superatomic Solids. <i>Journal of the American Chemical Society</i> , 2014, 136, 16926-16931.	13.7	58
12	Assembling Hierarchical Cluster Solids with Atomic Precision. <i>Journal of the American Chemical Society</i> , 2014, 136, 15873-15876.	13.7	56
13	High hardness in the biocompatible intermetallic compound β -Ti ₃ Au. <i>Science Advances</i> , 2016, 2, e1600319.	10.3	46
14	Coexistence of Weyl physics and planar defects in the semimetals TaP and TaAs. <i>Physical Review B</i> , 2016, 93, .	3.2	40
15	Landau-level spectroscopy of massive Dirac fermions in single-crystalline $ZrTe_5$ thin flakes. <i>Physical Review B</i> , 2017, 96, .		
16	Single crystal synthesis and magnetism of the BaLn ₂ O ₄ family (Ln=lanthanide). <i>Progress in Solid State Chemistry</i> , 2014, 42, 23-36.	7.2	33
17	An itinerant antiferromagnetic metal without magnetic constituents. <i>Nature Communications</i> , 2015, 6, 7701.	12.8	33
18	Anomalous metallic state and anisotropic multiband superconductivity in Nb ₃ Pd _{0.7} Se. <i>Physical Review B</i> , 2017, 96, .	3.2	27

#	ARTICLE	IF	CITATIONS
19	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
20	Influence of grain boundary characteristics on thermal stability in nanotwinned copper. <i>Scientific Reports</i> , 2016, 6, 31410.	3.3	25
21	Stress distribution and lattice distortions in Nb ₃ Sn multifilament wires under uniaxial tensile loading at 4.2 K. <i>Superconductor Science and Technology</i> , 2014, 27, 044021.	3.5	23
22	Possible devil's staircase in the Kondo lattice CeSbSe. <i>Physical Review B</i> , 2017, 96, .	3.2	20
23	Low-temperature spin dynamics in the kagome system \Pr <i>Physical Review B</i> , 2010, 81, .	3.2	17
24	Ba ₃ CrN ₃ H: A New Nitride-Hydride with Trigonal Planar Cr ⁴⁺ . <i>Inorganic Chemistry</i> , 2019, 58, 3302-3307.	4.0	16
25	Texture in state-of-the-art Nb ₃ Sn multifilamentary superconducting wires. <i>Superconductor Science and Technology</i> , 2014, 27, 025013.	3.5	15
26	Small and nearly isotropic hole-like Fermi surfaces in LiFeAs detected through de Haas-van Alphen effect. <i>Physical Review B</i> , 2013, 88, .	3.2	14
27	Temperature-pressure phase diagram of cubic Laves phase Au ₂ Pb. <i>Physical Review B</i> , 2016, 93, .	3.2	14
28	Quantum Critical Point in the Itinerant Ferromagnet Ni <i>Physical Review Letters</i> , 2020, 124, 117203.	7.8	14
29	Vacancy defect control of colossal thermopower in FeSb ₂ . <i>Npj Quantum Materials</i> , 2021, 6, .	5.2	13
30	Complex magnetism and strong electronic correlations in Ce_2PdGe_3 <i>Physical Review B</i> , 2015, 91, .	3.2	12
31	Single crystal elasticity of natural topaz at high-temperatures. <i>Scientific Reports</i> , 2018, 8, 1372.	3.3	12
32	Possible manifestations of the chiral anomaly and evidence for a magnetic field induced topological phase transition in the type-I Weyl semimetal TaAs. <i>Physical Review B</i> , 2019, 100, .	3.2	12
33	Evidence for an internal-field-induced spin-flop configuration in the extended kagome YBaCo ₄ O ₇ . <i>Physical Review B</i> , 2013, 87, .	3.2	11
34	Non-Fermi Liquid Behavior Close to a Quantum Critical Point in a Ferromagnetic State without Local Moments. <i>Physical Review X</i> , 2015, 5, .	8.9	11
35	Microstructure of hard biocompatible Ti ^x Aux alloys. <i>Materials Characterization</i> , 2019, 149, 133-142.	4.4	11
36	Magnetic properties of doped Mn-Ga alloys made by mechanical milling and heat treatment. <i>AIP Advances</i> , 2016, 6, .	1.3	10

#	ARTICLE	IF	CITATIONS
37	Uncovering the behavior of HfTe_2P and the candidate Dirac metal ZrTe_2P . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 14LT01.	1.8	10
38	Synthesis and Crystal Structure of the Layered Lanthanide Oxychlorides $\text{Ba}_3\text{Ln}_2\text{O}_5\text{Cl}_2$. <i>Inorganic Chemistry</i> , 2018, 57, 1727-1734.	4.0	9
39	Quantum critical point in the Sc-doped itinerant antiferromagnet TiAu . <i>Physical Review B</i> , 2017, 95, .	3.2	8
40	Ba_2TeO : A new layered oxytelluride. <i>Journal of Solid State Chemistry</i> , 2015, 222, 60-65.	2.9	7
41	Electronic structure and magnetism in the layered triangular lattice compound CeAuAl_4 . <i>Physical Review Materials</i> , 2017, 1, .		
42	A new oxytelluride: Perovskite and CsCl intergrowth in $\text{Ba}_3\text{Yb}_2\text{O}_5\text{Te}$. <i>Journal of Solid State Chemistry</i> , 2013, 203, 204-211.	2.9	6
43	Interacting nanoscale magnetic superatom cluster arrays in molybdenum oxide bronzes. <i>Nanoscale</i> , 2017, 9, 7922-7929.	5.6	6
44	Antiferroelectric Phase Transition in a Proton-Transfer Salt of Squaric Acid and 2,3-Dimethylpyrazine. <i>Journal of the American Chemical Society</i> , 2019, 141, 16279-16287.	13.7	6
45	Thermodynamic and transport properties of R_2Sn_2 (R=Tb, Tm, Lu, Y) single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 341, 6-16.	2.3	5
46	Spin dynamics and magnetoelectric properties of the coupled-spin tetrahedral compound $\text{Cu}_2\text{Te}_2\text{O}_5\text{Cl}_2$. <i>Physical Review B</i> , 2014, 90, .	3.2	5
47	High Magnetic Field Annealing of Mn-Ga Intermetallic Alloys. <i>MRS Advances</i> , 2016, 1, 227-233.	0.9	5
48	Single Crystal Growth of URu_2Si_2 by the Modified Bridgman Technique. <i>Crystals</i> , 2016, 6, 128.	2.2	4
49	Aging Effect of Zylon. <i>IEEE Transactions on Applied Superconductivity</i> , 2018, 28, 1-4.	1.7	4
50	$\text{Gr}_{1/4}\text{neisen}$ divergence near the structural quantum phase transition in ScF_3 . <i>Philosophical Magazine</i> , 2019, 99, 631-643.	1.6	4
51	A family of rare earth molybdenum bronzes: Oxides consisting of periodic arrays of interacting magnetic units. <i>Journal of Solid State Chemistry</i> , 2015, 227, 178-185.	2.9	3
52	Temperature-dependent elasticity of $\text{PbMo}_6\text{O}_{24}$. <i>Physical Review B</i> , 2014, 89, .	3.2	3
53	Spin ordering and dynamics in the frustrated antiferromagnet $\text{YBaCo}_4\text{O}_{14}$. <i>Physical Review B</i> , 2014, 89, .	3.2	2
54	Growth of EuO single crystals at reduced temperatures. <i>Physical Review B</i> , 2017, 95, .	3.2	2

#	ARTICLE	IF	CITATIONS
55	Gel Growth of K ₂ PbCu(NO ₂) ₆ -Elpasolite Single Crystals. <i>Crystal Growth and Design</i> , 2017, 17, 5170-5177.	3.0	2
56	Correlated electron state in CeCu ₂ Si ₂ controlled through Si to P substitution. <i>Physical Review Materials</i> , 2017, 1, .	2.4	2
57	Effects of chemical disorder in the itinerant antiferromagnet Ti ^{1-x} V ^x Au. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 365602.	1.8	1
58	Superconductivity in single crystals of ZrP _{1.27} Se _{0.73} . <i>Physical Review B</i> , 2020, 102, .	3.2	1
59	Mini volume collapse as evidence for a three-body magnetic polaron in Sm ^{1-x} EuxS. <i>Physical Review Materials</i> , 2019, 3, .	2.4	1
60	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)]. <i>Physical Review X</i> , 2015, 5, .	8.9	0
61	A new topological semimetal candidate: SmMnBi ₂ . <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2021, 77, 577-583.	1.1	0