

Fa-Zhu Ding

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5403956/publications.pdf>

Version: 2024-02-01

39
papers

529
citations

759233

12
h-index

677142

22
g-index

39
all docs

39
docs citations

39
times ranked

564
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi ₂ Te ₃ -based flexible thermoelectric generator for wearable electronics. Applied Physics Letters, 2022, 120, .	3.3	21
2	An efficient approach for superconducting joint of YBCO coated conductors. Superconductor Science and Technology, 2022, 35, 075004.	3.5	11
3	Enhancement in the critical current density of BaTiO ₃ -doped YBCO films by low-energy (60) Tj ETQq1 1 0.7843 14 rgBT / 0.9	3.5	9
4	Substrate angle-induced fully c-axis orientation of AlN films deposited by off-normal DC sputtering method. Rare Metals, 2021, 40, 3668-3675.	7.1	5
5	Achievement of Low-Resistivity Diffusion Joint of REBCO Coated Conductors by Improving the Interface Connection of Ag Stabilizer. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-7.	1.7	8
6	Recent advances in flexible thermoelectrics. Applied Physics Letters, 2021, 118, .	3.3	16
7	Direct Cationâ€Cation Interactions Induced by Mg Dopants for Electronâ€Gas Behavior in Î±-Fe ₂ O ₃ . Journal of Physical Chemistry C, 2021, 125, 12893-12902.	3.1	5
8	Superconducting joining of YBCO coated conductors without a large critical current loss. Materials Today Physics, 2021, 21, 100567.	6.0	2
9	Study on Electromechanical Properties of Solder Jointed YBCO Coated Conductors With Etched Copper Stabilizer Under Axial Tension. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-6.	1.7	9
10	Preparation of high performance YGdBCO films by low fluorine TFA-MOD process. Journal of Rare Earths, 2020, 38, 755-762.	4.8	5
11	FEM analysis of piezoelectric film as IDT on the diamond substrate to enhance the quality factor of SAW devices. Diamond and Related Materials, 2020, 102, 107659.	3.9	11
12	N-type Mg ₃ Sb ₂ -Bi with improved thermal stability for thermoelectric power generation. Acta Materialia, 2020, 201, 572-579.	7.9	60
13	High homogeneity 10â€cm long BaTiO ₃ -doped YBa ₂ Cu ₃ O _{7-Î´} films by the trifluoroacetate metal-organic deposition process. Journal of Sol-Gel Science and Technology, 2020, 96, 297-303.	2.4	0
14	One Structure, Two Elementsâ€LuGe ₂ Superconductor vs Ordinary Metallic Conductor LuSn ₂ . A Case Study on How Site-Selective Germanium for Tin Atom Substitution Leads to Modulating of the Charge Distribution. Inorganic Chemistry, 2020, 59, 16853-16864.	4.0	7
15	Bi _{0.5} Sb _{1.5} Te ₃ -based films for flexible thermoelectric devices. Journal of Materials Chemistry A, 2020, 8, 4552-4561.	10.3	53
16	High-Performance Ag-Modified Bi _{0.5} Sb _{1.5} Te ₃ Films for the Flexible Thermoelectric Generator. ACS Applied Materials & Interfaces, 2020, 12, 7358-7365.	8.0	77
17	N-Type Mg ₃ Sb ₂ -Bi Alloys as Promising Thermoelectric Materials. Research, 2020, 2020, 1219461.	5.7	26
18	Bending properties of solder joint of YBCO coated conductors by etching copper stabilizer. Physica C: Superconductivity and Its Applications, 2019, 562, 42-47.	1.2	7

#	ARTICLE	IF	CITATIONS
19	Heat treatment design of precursor solutions with different fluorine contents for YBa ₂ Cu ₃ O _{7-x} films through the sol-gel approach. Journal of Sol-Gel Science and Technology, 2019, 90, 263-270.	2.4	7
20	Enhanced flux pinning of solution-derived YBa ₂ Cu ₃ O _{7-x} nanocomposite films with novel ultra-small BaMnO ₃ nanocrystals. Superconductor Science and Technology, 2019, 32, 025004.	3.5	5
21	Face Centered Cubic Co _{81.8} Si _{9.1} B _{9.1} With High Magnetocrystalline Anisotropy. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1700394.	2.4	0
22	Highly (00 <i>l</i>) _h -oriented Bi ₂ Te ₃ /Te heterostructure thin films with enhanced power factor. Nanoscale, 2018, 10, 20189-20195.	5.6	31
23	Microstructure and superconducting properties of (BaTiO ₃ , Y ₂ O ₃)-doped YBCO films under different firing temperatures. Rare Metals, 2017, 36, 37-41.	7.1	11
24	Epitaxial growth of CaTiO ₃ buffer layer for fabrication of c-axis oriented YBCO film by sol-gel method. Journal of Sol-Gel Science and Technology, 2017, 82, 45-50.	2.4	2
25	Fabrication of high-JC BaTiO ₃ -doped YBa ₂ Cu ₃ O _{7-x} thin films by the low-fluorine TFA-MOD approach. Journal of Alloys and Compounds, 2016, 664, 5-10.	5.5	13
26	Electrical and optical properties of ZnO:Al films with different hydrogen contents in sputtering gas. Rare Metals, 2015, 34, 173-177.	7.1	12
27	Effects of thickness on superconducting properties and structures of Y ₂ O ₃ /BZO-doped MOD-YBCO films. Chinese Physics B, 2015, 24, 057401.	1.4	4
28	Strong enhancement flux pinning in MOD-YBa ₂ Cu ₃ O _{7-x} films with self-assembled BaTiO ₃ nanocolumns. Applied Surface Science, 2014, 314, 622-627.	6.1	23
29	Removal of CdTe in acidic media by magnetic ion-exchange resin: A potential recycling methodology for cadmium telluride photovoltaic waste. Journal of Hazardous Materials, 2014, 279, 597-604.	12.4	22
30	Precursor evolution and growth mechanism of BTO/YBCO films by TFA-MOD process. Chinese Physics B, 2014, 23, 107402.	1.4	2
31	Growth mechanism of CdS film prepared by chemical bath deposition. Rare Metals, 2014, 33, 324-329.	7.1	3
32	Synthesis, characterization, and thermostability of bis(2,2,6,6-tetramethyl-3,5-heptanedionato)barium(II). Rare Metals, 2013, 32, 67-74.	7.1	1
33	Morphological evolution of CdS films prepared by chemical bath deposition. Rare Metals, 2013, 32, 380-389.	7.1	9
34	Strong flux pinning enhancement in YBa ₂ Cu ₃ O _{7-x} films by embedded BaZrO ₃ and BaTiO ₃ nanoparticles. Chinese Physics B, 2013, 22, 077401.	1.4	12
35	Enhanced flux pinning in MOD-YBCO films with co-doping of BaZrO ₃ and Y ₂ O ₃ nanoparticles. Journal of Alloys and Compounds, 2012, 513, 277-281.	5.5	26
36	Synthesis, characterization, and thermostability of bis(2,2,6,6-tetramethyl-3,5-heptanedionato)barium(II). Rare Metals, 2013, 32, 67-74.	7.1	1

#	ARTICLE	IF	CITATIONS
37	Synthesis, characterization and thermostability of barium β -diketonate with tetraethylenepentamine ligand. Rare Metals, 2012, 31, 566-572.	7.1	0
38	Influence of BaZrO ₃ Amount on Microstructure and Properties in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ Films Prepared by TFA-MOD Process. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1353-1356.	1.8	4
39	Improved thermoelectric performance in n-type flexible Bi ₂ Se _{3+x} /PVDF composite films. , 0, , .		5