Fa-Zhu Ding

List of Publications by Year
in descending order

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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	High-Performance Ag-Modified Bi_{0.5}Sb_{1.5}Te₃ Films for the Flexible Thermoelectric Generator. ACS Applied Materials & Interfaces, 2020, 12, 7358-7365.	8.0	77
2	N-type Mg3Sb2-Bi with improved thermal stability for thermoelectric power generation. Acta Materialia, 2020, 201, 572-579.	7.9	60
3	Bi_{0.5}Sb_{1.5}Te₃-based films for flexible thermoelectric devices. Journal of Materials Chemistry A, 2020, 8, 4552-4561.	10.3	53
4	Highly (00l)-oriented Bi₂Te₃/Te heterostructure thin films with enhanced power factor. Nanoscale, 2018, 10, 20189-20195.	5.6	31
5	Enhanced flux pinning in MOD-YBCO films with co-doping of BaZrO3 and Y2O3 nanoparticles. Journal of Alloys and Compounds, 2012, 513, 277-281.	5.5	26
6	N-Type Mg ₃ Sb _{2- x} Bi _x Alloys as Promising Thermoelectric Materials. Research, 2020, 2020, 1219461.	5.7	26
7	Strong enhancement flux pinning in MOD-YBa 2 Cu 3 O 7â^'x films with self-assembled BaTiO 3 nanocolumns. Applied Surface Science, 2014, 314, 622-627.	6.1	23
8	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
9	Bi2Te3-based flexible thermoelectric generator for wearable electronics. Applied Physics Letters, 2022, 120, .	3.3	21
10	Recent advances in flexible thermoelectrics. Applied Physics Letters, 2021, 118, .	3.3	16
11	Fabrication of high-JC BaTiO3-doped YBa2Cu3O7â^Î´ thin films by the low-fluorine TFA-MOD approach. Journal of Alloys and Compounds, 2016, 664, 5-10.	5.5	13
12	Strong flux pinning enhancement in YBa₂Cu₃O_{7â^'x}films by embedded BaZrO₃and BaTiO₃nanoparticles. Chinese Physics B, 2013, 22, 077401.	1.4	12
13	Electrical and optical properties of ZnO:Al films with different hydrogen contents in sputtering gas. Rare Metals, 2015, 34, 173-177.	7.1	12
14	Microstructure and superconducting properties of (BaTiO3, Y2O3)-doped YBCO films under different firing temperatures. Rare Metals, 2017, 36, 37-41.	7.1	11
15	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
16	An efficient approach for superconducting joint of YBCO coated conductors. Superconductor Science and Technology, 2022, 35, 075004.	3.5	11
17	Morphological evolution of CdS films prepared by chemical bath deposition. Rare Metals, 2013, 32, 380-389.	7.1	9
18	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

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19	Enhancement in the critical current density of BaTiO₃-doped YBCO films by low-energy (60) Tj ETQq1 1 0.784314 rgBT /Ov	3.5	9
20	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
21	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
22	Heat treatment design of precursor solutions with different fluorine contents for YBa2Cu3O7â^'x films through the sol-gel approach. Journal of Sol-Gel Science and Technology, 2019, 90, 263-270.	2.4	7
23	One Structure, Two Elementsâ€"LuGe₂ Superconductor vs Ordinary Metallic Conductor LuSn₂. 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
24	Synthesis, characterization, and thermostability of bis(2,2,6,6-tetramethyl-3,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (5-heptanedi	7.1	5
25	Enhanced flux pinning of solution-derived YBa₂Cu₃O_{7â^'x} nanocomposite films with novel ultra-small BaMnO₃ nanocrystals. Superconductor Science and Technology, 2019, 32, 025004.	3.5	5
26	Preparation of high performance YGdBCO films by low fluorine TFA-MOD process. Journal of Rare Earths, 2020, 38, 755-762.	4.8	5
27	Improved thermoelectric performance in n-type flexible Bi2Se3+x/PVDF composite films. , 0, , .		5
28	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
29	Direct Cationâ€"Cation Interactions Induced by Mg Dopants for Electronâ€"Gas Behavior in Î±-Fe₂O₃. Journal of Physical Chemistry C, 2021, 125, 12893-12902.	3.1	5
30	Influence of BaZrO3 Amount on Microstructure and Properties inÂYBa2Cu3O7â^'x Films Prepared by TFA-MOD Process. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1353-1356.	1.8	4
31	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
32	Growth mechanism of CdS film prepared by chemical bath deposition. Rare Metals, 2014, 33, 324-329.	7.1	3
33	Precursor evolution and growth mechanism of BTO/YBCO films by TFAâ€"MOD process. Chinese Physics B, 2014, 23, 107402.	1.4	2
34	Epitaxial growth of CaTiO3 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
35	Superconducting joining of YBCO coated conductors without a large critical current loss. Materials Today Physics, 2021, 21, 100567.	6.0	2
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

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37	Synthesis, characterization and thermostability of barium Î²-diketonate with tetraethylenepentamine ligand. Rare Metals, 2012, 31, 566-572.	7.1	0
38	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
39	High homogeneity 10â€‰cm long BaTiO3-doped YBa2Cu3O7-Î´ films by the trifluoroacetate metal-organic deposition process. Journal of Sol-Gel Science and Technology, 2020, 96, 297-303.	2.4	0