Hong-Wei Gu

List of Publications by Year
in descending order

39	526	759233 12	677142 22
papers	citations	h-index	g-index

39	39	39	589
all docs	docs citations	times ranked	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	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
3	Engineering CIGS grains qualities to achieve high efficiency in ultrathin Cu(In Ga1â^')Se2 solar cells with a single-gradient band gap profile. Results in Physics, 2019, 12, 704-711.	4.1	37
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	Cu(In,Ga)Se2 solar cell with Zn(S,O) as the buffer layer fabricated by a chemical bath deposition method. Solar Energy, 2018, 171, 130-141.	6.1	22
10	Bi2Te3-based flexible thermoelectric generator for wearable electronics. Applied Physics Letters, 2022, 120, .	3.3	21
11	Recent advances in flexible thermoelectrics. Applied Physics Letters, 2021, 118, .	3.3	16
12	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
13	Efficiency Enhancement of CIGS Solar Cells via Recombination Passivation. ACS Applied Energy Materials, 2020, 3, 9459-9467.	5.1	13
14	Electrical and optical properties of ZnO:Al films with different hydrogen contents in sputtering gas. Rare Metals, 2015, 34, 173-177.	7.1	12
15	Microstructure and superconducting properties of (BaTiO3, Y2O3)-doped YBCO films under different firing temperatures. Rare Metals, 2017, 36, 37-41.	7.1	11
16	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
17	An efficient approach for superconducting joint of YBCO coated conductors. Superconductor Science and Technology, 2022, 35, 075004.	3.5	11
18	Morphological evolution of CdS films prepared by chemical bath deposition. Rare Metals, 2013, 32, 380-389.	7.1	9

#	Article	IF	Citations
19	Development of Multipass MOCVD Process for Fabricating (Gd,Y)Ba2Cu3O7-Î´ Coated Conductors. IEEE Transactions on Applied Superconductivity, 2017, 27, 1-5.	1.7	9
20	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
21	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
22	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
23	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
24	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
25	Synthesis, characterization, and thermostability of bis(2,2,6,6-tetramethyl-3,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 502 Td (5	7.1	5
26	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
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	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
30	Improving the fatigue endurance of lead zirconate titanate thin films through PbO interfacial modification. Rare Metals, 2011, 30, 68-71.	7.1	4
31	Recent Progress on Cu 2 BaSn(S x Se 1â€“ x) 4 : From Material to Solar Cell Applications. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000060.	1.8	4
32	Growth mechanism of CdS film prepared by chemical bath deposition. Rare Metals, 2014, 33, 324-329.	7.1	3
33	Optimum Composition in 10% Zr-added GdYBCO Coated Conductor for Enhanced Flux Pinning at 30 K. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-5.	1.7	3
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

#	Article	IF	Citations
37	Synthesis, characterization and thermostability of tris(2,2,6,6-tetramethyl-3,5-heptanedionato)yttrium(III). Journal of Rare Earths, 2012, 30, 1041-1047.	4.8	0
38	Synthesis, characterization and thermostability of barium Î²-diketonate with tetraethylenepentamine ligand. Rare Metals, 2012, 31, 566-572.	7.1	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