

Hong-Wei Gu

List of Publications by Year in descending order

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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 0.784314 rgBT / 3.5 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	Superconducting joining of YBCO coated conductors without a large critical current loss. Materials Today Physics, 2021, 21, 100567.	6.0	2
8	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
9	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
10	High homogeneity 10 ⁶ cm long BaTiO ₃ -doped YBa ₂ Cu ₃ O _{7-δ} films by the trifluoroacetate metal-organic deposition process. Journal of Sol-Gel Science and Technology, 2020, 96, 297-303.	2.4	0
11	Efficiency Enhancement of CIGS Solar Cells via Recombination Passivation. ACS Applied Energy Materials, 2020, 3, 9459-9467.	5.1	13
12	Recent Progress on Cu ₂ BaSn(S _x Se _{1-x}) ₄ : From Material to Solar Cell Applications. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000060.	1.8	4
13	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
14	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
15	N-Type Mg ₃ Sb _{2-x} Bi _x Alloys as Promising Thermoelectric Materials. Research, 2020, 2020, 1219461.	5.7	26
16	Engineering CIGS grains qualities to achieve high efficiency in ultrathin Cu(InGa) _{1-x} Se ₂ solar cells with a single-gradient band gap profile. Results in Physics, 2019, 12, 704-711.	4.1	37
17	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
18	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

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19	Enhanced flux pinning of solution-derived $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ nanocomposite films with novel ultra-small BaMnO_3 nanocrystals. <i>Superconductor Science and Technology</i> , 2019, 32, 025004.	3.5	5
20	Highly (001)-oriented $\text{Bi}_2\text{Te}_3/\text{Te}$ heterostructure thin films with enhanced power factor. <i>Nanoscale</i> , 2018, 10, 20189-20195.	5.6	31
21	$\text{Cu}(\text{In,Ga})\text{Se}_2$ solar cell with $\text{Zn}(\text{S,O})$ as the buffer layer fabricated by a chemical bath deposition method. <i>Solar Energy</i> , 2018, 171, 130-141.	6.1	22
22	Microstructure and superconducting properties of $(\text{BaTiO}_3, \text{Y}_2\text{O}_3)$ -doped YBCO films under different firing temperatures. <i>Rare Metals</i> , 2017, 36, 37-41.	7.1	11
23	Development of Multipass MOCVD Process for Fabricating $(\text{Gd,Y})\text{Ba}_2\text{Cu}_3\text{O}_{7-x}$ Coated Conductors. <i>IEEE Transactions on Applied Superconductivity</i> , 2017, 27, 1-5.	1.7	9
24	Epitaxial growth of CaTiO_3 buffer layer for fabrication of c-axis oriented YBCO film by sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2017, 82, 45-50.	2.4	2
25	Fabrication of high-JC BaTiO_3 -doped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ thin films by the low-fluorine TFA-MOD approach. <i>Journal of Alloys and Compounds</i> , 2016, 664, 5-10.	5.5	13
26	Electrical and optical properties of ZnO:Al films with different hydrogen contents in sputtering gas. <i>Rare Metals</i> , 2015, 34, 173-177.	7.1	12
27	Optimum Composition in 10% Zr-added GdYBCO Coated Conductor for Enhanced Flux Pinning at 30 K. <i>IEEE Transactions on Applied Superconductivity</i> , 2015, 25, 1-5.	1.7	3
28	Strong enhancement flux pinning in MOD- $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films with self-assembled BaTiO_3 nanocolumns. <i>Applied Surface Science</i> , 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. <i>Journal of Hazardous Materials</i> , 2014, 279, 597-604.	12.4	22
30	Growth mechanism of CdS film prepared by chemical bath deposition. <i>Rare Metals</i> , 2014, 33, 324-329.	7.1	3
31	Synthesis, characterization, and thermostability of bis(2,2,6,6-tetramethyl-3,5-heptanedionato)barium(II). <i>Rare Metals</i> , 2013, 32, 67-74.	7.1	1
32	Morphological evolution of CdS films prepared by chemical bath deposition. <i>Rare Metals</i> , 2013, 32, 380-389.	7.1	9
33	Enhanced flux pinning in MOD-YBCO films with co-doping of BaZrO_3 and Y_2O_3 nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012, 513, 277-281.	5.5	26
34	Synthesis, characterization and thermostability of tris(2,2,6,6-tetramethyl-3,5-heptanedionato)yttrium(III). <i>Journal of Rare Earths</i> , 2012, 30, 1041-1047.	4.8	0
35	Synthesis, characterization, and thermostability of bis(2,2,6,6-tetramethyl-3,5-heptanedionato)yttrium(III). <i>Journal of Rare Earths</i> , 2012, 30, 1041-1047.	7.1	5
36	Synthesis, characterization and thermostability of barium β -diketonate with tetraethylenepentamine ligand. <i>Rare Metals</i> , 2012, 31, 566-572.	7.1	0

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37	Influence of BaZrO ₃ Amount on Microstructure and Properties in YBa ₂ Cu ₃ O _{7-x} Films Prepared by TFA-MOD Process. Journal of Superconductivity and Novel Magnetism, 2011, 24, 1353-1356.	1.8	4
38	Improving the fatigue endurance of lead zirconate titanate thin films through PbO interfacial modification. Rare Metals, 2011, 30, 68-71.	7.1	4
39	Improved thermoelectric performance in n-type flexible Bi ₂ Se _{3+x} /PVDF composite films. , 0, , .		5