

Qing Jie

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11394547/publications.pdf>

Version: 2024-02-01

30
papers

2,479
citations

304743

22
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

2802
citing authors

#	ARTICLE	IF	CITATIONS
1	Filling fraction of Yb in CoSb ₃ Skutterudite studied by electron microscopy. Applied Physics Letters, 2017, 110, .	3.3	7
2	Thermoelectric performance enhancement of Mg ₂ Sn based solid solutions by band convergence and phonon scattering via Pb and Si/Ge substitution for Sn. Physical Chemistry Chemical Physics, 2016, 18, 20726-20737.	2.8	30
3	Achieving high power factor and output power density in p-type half-Heuslers Nb _{1-x} Ti _x FeSb. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13576-13581.	7.1	213
4	Transport and mechanical properties of the double-filled p-type skutterudites La _{0.68} Ce _{0.22} Fe _{4-x} CoxSb ₁₂ . Acta Materialia, 2016, 117, 13-22.	7.9	26
5	Concentrating solar thermoelectric generators with a peak efficiency of 7.4%. Nature Energy, 2016, 1, .	39.5	269
6	New insight into the material parameter B to understand the enhanced thermoelectric performance of Mg ₂ Sn _{1-x} Ge _x Sb _y . Energy and Environmental Science, 2016, 9, 530-539.	30.8	83
7	Importance of high power factor in thermoelectric materials for power generation application: A perspective. Scripta Materialia, 2016, 111, 3-9.	5.2	169
8	Thermoelectric and mechanical properties on misch metal filled p-type skutterudites Mm _{0.9} Fe _{4-x} CoxSb ₁₂ . Journal of Applied Physics, 2015, 117, 055101.	2.5	31
9	Effect of Cu concentration on thermoelectric properties of nanostructured p-type MgAg _{0.97} CuSb _{0.99} . Acta Materialia, 2015, 87, 266-272.	7.9	53
10	Current progress and future challenges in thermoelectric power generation: From materials to devices. Acta Materialia, 2015, 87, 357-376.	7.9	447
11	n-type thermoelectric material Mg ₂ Sn _{0.75} Ge _{0.25} for high power generation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3269-3274.	7.1	191
12	The effect of nickel doping on electron and phonon transport in the n-type nanostructured thermoelectric material CoSbS. Journal of Materials Chemistry C, 2015, 3, 10442-10450.	5.5	47
13	Effect of triple fillers in thermoelectric performance of p-type skutterudites. Journal of Alloys and Compounds, 2015, 623, 104-108.	5.5	26
14	High thermoelectric performance of MgAgSb-based materials. Nano Energy, 2014, 7, 97-103.	16.0	264
15	Thermoelectric performance of Ni compensated cerium and neodymium double filled p-type skutterudites. Physical Chemistry Chemical Physics, 2014, 16, 18170-18175.	2.8	20
16	Substitution of Antimony by Tin and Tellurium in n-Type Skutterudites CoSb _{2.8} Sn _x Te _{0.2} . Jom, 2014, 66, 2282-2287.	1.9	7
17	Thermoelectric property enhancement in Yb-doped n-type skutterudites Yb _x Co ₄ Sb ₁₂ . Acta Materialia, 2014, 75, 316-321.	7.9	52
18	Fast phase formation of double-filled p-type skutterudites by ball-milling and hot-pressing. Physical Chemistry Chemical Physics, 2013, 15, 6809.	2.8	85

#	ARTICLE	IF	CITATIONS
19	Uniaxial linear resistivity of CsCu ₂ superconducting La ₂ BaCuO ₇ . Physical Review B, 2012, 86, .	3.2	19
20	Electronic thermoelectric power factor and metal-insulator transition in FeSb ₂ . Physical Review B, 2012, 86, .	3.2	32
21	Transport properties of stripe-ordered high T _c cuprates. Physica C: Superconductivity and Its Applications, 2012, 481, 46-54.	3.2	36
22	Nanostructures and defects in nonequilibrium-synthesized filled skutterudite CeFe ₄ Sb ₁₂ . Journal of Materials Research, 2011, 26, 1842-1847.	1.2	4
23	Dramatic thermal conductivity reduction by nanostructures for large increase in thermoelectric figure-of-merit of FeSb ₂ . Applied Physics Letters, 2011, 99, .	2.6	9
24	Iron-chalcogenide FeSe _{0.5} Te _{0.5} coated superconducting tapes for high field applications. Applied Physics Letters, 2011, 98, .	3.3	45
25	Thermoelectric Properties of Non-equilibrium Synthesized Ce _{0.9} Fe ₃ CoSb ₁₂ Filled Skutterudites. Materials Research Society Symposia Proceedings, 2010, 1267, 1.	3.3	88
26	Disappearance of static magnetic order and evolution of spin fluctuations in Fe _{1-x} Co _x Sb ₃ . Physical Review B, 2010, 82, .	0.1	6
27	Microstructure Investigation of Non-equilibrium Synthesized Filled Skutterudite CeFe ₄ Sb ₁₂ . Materials Research Society Symposia Proceedings, 2010, 1267, 1.	3.2	52
28	Superconductivity in epitaxial thin films of Fe _{1-x} Co _x Sb ₃ . Physical Review B, 2010, 81, .	0.1	2
29	Enhanced superconducting transition temperature in FeSe _{0.5} Te _{0.5} thin films. Applied Physics Letters, 2009, 95, .	3.2	64
30		3.3	101