

Qing Jie

List of Publications by Year in descending order

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papers

2,479
citations

304743

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434195

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docs citations

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times ranked

2802
citing authors

#	ARTICLE	IF	CITATIONS
1	Current progress and future challenges in thermoelectric power generation: From materials to devices. <i>Acta Materialia</i> , 2015, 87, 357-376.	7.9	447
2	Concentrating solar thermoelectric generators with a peak efficiency of 7.4%. <i>Nature Energy</i> , 2016, 1, .	39.5	269
3	High thermoelectric performance of MgAgSb-based materials. <i>Nano Energy</i> , 2014, 7, 97-103.	16.0	264
4	Achieving high power factor and output power density in p-type half-Heuslers Nb _{1-x} Ti _x FeSb. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13576-13581.	7.1	213
5	n-type thermoelectric material Mg ₂ Sn _{0.75} Ge _{0.25} for high power generation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3269-3274.	7.1	191
6	Importance of high power factor in thermoelectric materials for power generation application: A perspective. <i>Scripta Materialia</i> , 2016, 111, 3-9.	5.2	169
7	Enhanced superconducting transition temperature in FeSe _{0.5} Te _{0.5} thin films. <i>Applied Physics Letters</i> , 2009, 95, .	3.3	101
8	Iron-chalcogenide FeSe _{0.5} Te _{0.5} coated superconducting tapes for high field applications. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	88
9	Fast phase formation of double-filled p-type skutterudites by ball-milling and hot-pressing. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 6809.	2.8	85
10	New insight into the material parameter B to understand the enhanced thermoelectric performance of Mg ₂ Sn _{1-x} Ge _x Sb _y . <i>Energy and Environmental Science</i> , 2016, 9, 530-539.	30.8	83
11	Superconductivity in epitaxial thin films of $\text{Fe}_{1-x}\text{Te}_x$. <i>Physical Review B</i> , 2010, 81, .	3.2	64
12	Effect of Cu concentration on thermoelectric properties of nanostructured p-type MgAg _{0.97} Cu _{0.03} Sb _{0.99} . <i>Acta Materialia</i> , 2015, 87, 266-272.	7.9	53
13	Disappearance of static magnetic order and evolution of spin fluctuations in $\text{Fe}_{1-x}\text{Te}_x$. <i>Physical Review B</i> , 2010, 82, .	3.2	52
14	Thermoelectric property enhancement in Yb-doped n-type skutterudites Yb _x Co ₄ Sb ₁₂ . <i>Acta Materialia</i> , 2014, 75, 316-321.	7.9	52
15	The effect of nickel doping on electron and phonon transport in the n-type nanostructured thermoelectric material CoSbS. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10442-10450.	5.5	47
16	Dramatic thermal conductivity reduction by nanostructures for large increase in thermoelectric figure-of-merit of FeSb ₂ . <i>Applied Physics Letters</i> , 2011, 99, .	3.3	45
17	Electronic thermoelectric power factor and metal-insulator transition in FeSb $\text{Fe}_{1-x}\text{Te}_x$. <i>Physical Review B</i> , 2012, 86, .	3.2	36
18	Uniaxial linear resistivity of superconducting $\text{Ba}_{1-x}\text{Cu}_x\text{O}$. <i>Physical Review B</i> , 2012, 86, .	3.2	32

#	ARTICLE	IF	CITATIONS
19	Thermoelectric and mechanical properties on misch metal filled p-type skutterudites $Mm_{0.9}Fe_{4-x}Co_xSb_{12}$. Journal of Applied Physics, 2015, 117, 055101.	2.5	31
20	Thermoelectric performance enhancement of Mg_2Sn 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
21	Effect of triple fillers in thermoelectric performance of p-type skutterudites. Journal of Alloys and Compounds, 2015, 623, 104-108.	5.5	26
22	Transport and mechanical properties of the double-filled p-type skutterudites $La_{0.68}Ce_{0.22}Fe_{4-x}Co_xSb_{12}$. Acta Materialia, 2016, 117, 13-22.	7.9	26
23	Thermoelectric performance of Ni compensated cerium and neodymium double filled p-type skutterudites. Physical Chemistry Chemical Physics, 2014, 16, 18170-18175.	2.8	20
24	Probing the connections between superconductivity, stripe order, and structure in $La_{1.905}Ba_{0.095}Cu$ nanostructures and defects in nonequilibrium-synthesized filled skutterudite $CeFe_4Sb_{12}$. Journal of Materials Research, 2011, 26, 1842-1847.	3.2	19
25	Nanostructures and defects in nonequilibrium-synthesized filled skutterudite $CeFe_4Sb_{12}$. Journal of Materials Research, 2011, 26, 1842-1847.	2.6	9
26	Substitution of Antimony by Tin and Tellurium in n-Type Skutterudites $CoSb_{2.8}Sn_xTe_{0.2-x}$. Jom, 2014, 66, 2282-2287.	1.9	7
27	Filling fraction of Yb in $CoSb_3$ Skutterudite studied by electron microscopy. Applied Physics Letters, 2017, 110, .	3.3	7
28	Thermoelectric Properties of Non-equilibrium Synthesized $Ce_{0.9}Fe_3CoSb_{12}$ Filled Skutterudites. Materials Research Society Symposia Proceedings, 2010, 1267, 1.	0.1	6
29	Transport properties of stripe-ordered high T_c cuprates. Physica C: Superconductivity and Its Applications, 2012, 481, 46-54.	1.2	4
30	Microstructure Investigation of Non-equilibrium Synthesized Filled Skutterudite $CeFe_4Sb_{12}$. Materials Research Society Symposia Proceedings, 2010, 1267, 1.	0.1	2