

Wenjie Xie

List of Publications by Year in descending order

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42
papers

3,118
citations

304743

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276875

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docs citations

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times ranked

2694
citing authors

#	ARTICLE	IF	CITATIONS
19	Enhanced thermoelectric performance of $\hat{\Gamma}^2$ -Zn ₄ Sb ₃ based nanocomposites through combined effects of density of states resonance and carrier energy filtering. Scientific Reports, 2015, 5, 17803.	3.3	58
20	Recent Developments in $\hat{\Gamma}^2$ -Zn ₄ Sb ₃ Based Thermoelectric Compounds. Journal of Nanomaterials, 2015, 2015, 1-15.	2.7	8
21	Compatibility approach for the improvement of oxide thermoelectric converters for industrial heat recovery applications. Journal of Applied Physics, 2015, 118, .	2.5	10
22	Phase formation, stability, and oxidation in (Ti, Zr, Hf)NiSn half-Heusler compounds. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1259-1266.	1.8	28
23	Improved thermoelectric performance of (Zr _{<sub>0.3</sub>Hf_{<sub>0.7</sub>NiSn half-Heusler compounds by Ta substitution. Journal of Applied Physics, 2014, 115, 183704.}}	2.5	40
24	Thermoelectric study of crossroads material MnTe via sulfur doping. Journal of Applied Physics, 2014, 115, .	2.5	53
25	High performance Bi ₂ Te ₃ nanocomposites prepared by single-element-melt-spinning spark-plasma sintering. Journal of Materials Science, 2013, 48, 2745-2760.	3.7	96
26	Half-Heusler (TiZrHf)NiSn Unileg Module with High Powder Density. Materials, 2013, 6, 1326-1332.	2.9	33
27	The microstructure network and thermoelectric properties of bulk (Bi,Sb) ₂ Te ₃ . Applied Physics Letters, 2012, 101, .	3.3	13
28	Enhanced thermoelectric properties of Bi ₂ (Te _{1-x} Sex) ₃ -based compounds as n-type legs for low-temperature power generation. Journal of Materials Chemistry, 2012, 22, 20943.	6.7	147
29	Recent Advances in Nanostructured Thermoelectric Half-Heusler Compounds. Nanomaterials, 2012, 2, 379-412.	4.1	287
30	Half-Heusler phases and nanocomposites as emerging high-ZT thermoelectric materials. Journal of Materials Research, 2011, 26, 2795-2802.	2.6	136
31	Investigation of the sintering pressure and thermal conductivity anisotropy of melt-spun spark-plasma-sintered (Bi,Sb) ₂ Te ₃ thermoelectric materials. Journal of Materials Research, 2011, 26, 1791-1799.	2.6	58
32	Enhanced performances of melt spun Bi ₂ (Te,Se) ₃ for n-type thermoelectric legs. Intermetallics, 2011, 19, 1024-1031.	3.9	125
33	Enhancement of the thermoelectric performance of $\hat{\Gamma}^2$ -Zn ₄ Sb ₃ by in situ nanostructures and minute Cd-doping. Acta Materialia, 2011, 59, 4805-4817.	7.9	70
34	Tuning the thermoelectric properties of polycrystalline FeSb ₂ by the in situ formation of Sb/InSb nanoinclusions. Journal of Materials Research, 2011, 26, 1894-1899.	2.6	16
35	Identifying the Specific Nanostructures Responsible for the High Thermoelectric Performance of (Bi,Sb) ₂ Te ₃ Nanocomposites. Nano Letters, 2010, 10, 3283-3289.	9.1	484
36	High performance n-type (Bi,Sb) ₂ (Te,Se) ₃ for low temperature thermoelectric generator. Journal Physics D: Applied Physics, 2010, 43, 335404.	2.8	57

#	ARTICLE	IF	CITATIONS
37	Unique nanostructures and enhanced thermoelectric performance of melt-spun BiSbTe alloys. Applied Physics Letters, 2009, 94, .	3.3	507
38	Synthesis and thermoelectric properties of (Ti,Zr,Hf)(Co,Pd)Sb half-Heusler compounds. Journal Physics D: Applied Physics, 2009, 42, 235407.	2.8	16
39	High thermoelectric performance BiSbTe alloy with unique low-dimensional structure. Journal of Applied Physics, 2009, 105, .	2.5	177
40	The preparation and thermoelectric properties of Ti _{0.5} Zr _{0.25} Hf _{0.25} Co _{1-x} Ni _x Sb half-Heusler compounds. Journal of Applied Physics, 2008, 103, 043711.	2.5	50
41	Preparation and thermoelectric transport properties of high-performance p-type Bi ₂ Te ₃ with layered nanostructure. Applied Physics Letters, 2007, 90, 012102.	3.3	337
42	Solar thermoelectrics: direct solar thermal energy conversion. , 0, , 289-294.		3