Mi-Kyung Han

List of Publications by Year
in descending order

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30	731	567281 15	526287 27
papers	citations	h-index	g-index

32	32	32	1173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synergistic Interaction of MoS₂ Nanoflakes on La₂Zr₂O₇ Nanofibers for Improving Photoelectrochemical Nitrogen Reduction. ACS Applied Materials & Interfaces, 2022, 14, 31889-31899.	8.0	21
2	Enhancement of thermoelectric performance in a non-toxic CuInTe₂/SnTe coated grain nanocomposite. Journal of Materials Chemistry A, 2021, 9, 14851-14858.	10.3	12
3	Early stage of the single-crystal growth and tipping point of the cationic site preference in Gd-doped Zintl phase thermoelectric materials. CrystEngComm, 2021, 23, 7097-7107.	2.6	2
4	Size-Controlled Auâ€“Cu₂Se Coreâ€“Shell Nanoparticles and Their Thermoelectric Properties. ACS Applied Materials & Interfaces, 2020, 12, 36589-36599.	8.0	9
5	Enhancement of thermoelectric properties by partial substitution of Ge sites in anion ring [Ge2S2]4- found in Co2Ge3S3 skutterudite-based material. Journal of Solid State Chemistry, 2020, 292, 121590.	2.9	1
6	Temperature-Induced Lifshitz Transition and Charge Density Wave in InTe1â^'Î´ Thermoelectric Materials. ACS Applied Energy Materials, 2020, 3, 3628-3636.	5.1	21
7	Gigantic Phonon-Scattering Cross Section To Enhance Thermoelectric Performance in Bulk Crystals. ACS Nano, 2019, 13, 8347-8355.	14.6	54
8	Interfacial Thermal Contact Conductance inside the Grapheneâ€“Bi₂Te₃ Heterostructure. Advanced Materials Interfaces, 2019, 6, 1900275.	3.7	9
9	Thermoelectric properties of W_{1â^'x}Nb_xSe_{2â^'y}S_y polycrystalline compounds. Journal of the American Ceramic Society, 2019, 102, 6060-6067.	3.8	14
10	Improved thermoelectric properties of n-type Bi2Te3 alloy deriving from two-phased heterostructure by the reduction of CuI with Sn. Journal of Materials Science: Materials in Electronics, 2019, 30, 1282-1291.	2.2	15
11	Synthesis of heavily Cu-doped Bi2Te3 nanoparticles and their thermoelectric properties. Journal of Solid State Chemistry, 2019, 270, 407-412.	2.9	29
12	A synergistic effect of metal iodide doping on the thermoelectric properties of Bi₂Te₃. Inorganic Chemistry Frontiers, 2017, 4, 881-888.	6.0	18
13	Thermoelectric Properties of Bi2Te3: CuI and the Effect of Its Doping with Pb Atoms. Materials, 2017, 10, 1235.	2.9	74
14	Cationic Site-Preference in the Yb14-xCaxAlSb11 (4.81 â‰¤ x â‰¤ 10.57) Series: Theoretical and Experimental Studies. Materials, 2016, 9, 553.	2.9	14
15	Sulfur to oxygen substitution in BiOCuSe and its effect on the thermoelectric properties. Journal of Materials Chemistry A, 2016, 4, 13859-13865.	10.3	14
16	Lithium-Filled Double-Deck Layered Structure of theRELixCu2-yP2(RE= La, Pr, Nd, Gd, Er; 0.82 â‰¤xâ‰¤ 1; 1.19) Tj ETQq0 0 0 rgBT /Overl 2015, 2786-2793.	2.0	13
17	Effect of Nb on the Microstructure, Mechanical Properties, Corrosion Behavior, and Cytotoxicity of Ti-Nb Alloys. Materials, 2015, 8, 5986-6003.	2.9	85
18	Effect of Indium Content on the Microstructure, Mechanical Properties and Corrosion Behavior of Titanium Alloys. Metals, 2015, 5, 850-862.	2.3	23

#	Article	IF	Citations
19	Massive Transformation in Titanium-Silver Alloys and Its Effect on Their Mechanical Properties and Corrosion Behavior. Materials, 2014, 7, 6194-6206.	2.9	20
20	Microstructure Analysis of Ti-xPt Alloys and the Effect of Pt Content on the Mechanical Properties and Corrosion Behavior of Ti Alloys. Materials, 2014, 7, 3990-4000.	2.9	5
21	Effect of gold addition on the microstructure, mechanical properties and corrosion behavior of Ti alloys. Gold Bulletin, 2014, 47, 153-160.	2.4	18
22	Effect of Chromium Doping on the Thermoelectric Properties of Bi2Te3: Cr x Bi2Te3 and Cr x Bi2â˜'x Te3. Journal of Electronic Materials, 2013, 42, 2758-2763.	2.2	14
23	Morphology Control of Bi₂S₃ Nanostructures and the Formation Mechanism. Chinese Journal of Chemistry, 2013, 31, 752-756.	4.9	11
24	Effects of Bi2Se3 Nanoparticle Inclusions on the Microstructure and Thermoelectric Properties of Bi2Te3-Based Nanocomposites. Journal of Electronic Materials, 2012, 41, 3411-3416.	2.2	18
25	Increase in the Figure of Merit by Cd-Substitution in Sn1-xPbxTe and Effect of Pb/Sn Ratio on Thermoelectric Properties. Advanced Energy Materials, 2012, 2, 1218-1225.	19.5	22
26	Leadâ€Free Thermoelectrics: High Figure of Merit in pâ€type AgSn_mSbTe_{m+2}. Advanced Energy Materials, 2012, 2, 157-161.	19.5	74
27	Effect of chromium content on thermoelectric properties of Bi<inf>2</inf>Te<inf>3</inf>. , 2011, , .		0
28	Formation of Cu nanoparticles in layered Bi2Te3 and their effect on ZT enhancement. Journal of Materials Chemistry, 2011, 21, 11365.	6.7	94
29	Influence of surface modification on thermoelectric properties of Bi<inf>2</inf>Te<inf>3</inf> nanowires. , 2011, , .		0
30	A Simple and Quick Chemical Synthesis of Nanostructured Bi2Te3, Sb2Te3, and BixSb2-xTe3. Bulletin of the Korean Chemical Society, 2010, 31, 1123-1127.	1.9	8