

# Jang-Yeul Tak

## List of Publications by Year in descending order

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7  
papers

139  
citations

1478505

6  
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1720034

7  
g-index

7  
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7  
docs citations

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times ranked

182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultralow Lattice Thermal Conductivity and Significantly Enhanced Near-Room-Temperature Thermoelectric Figure of Merit in $\text{Cu}_2\text{Se}$ through Suppressed Cu Vacancy Formation by Overstoichiometric Cu Addition. <i>Chemistry of Materials</i> , 2018, 30, 3276-3284.	6.7	58
2	Effects of Cu incorporation as an acceptor on the thermoelectric transport properties of $\text{CuBi}_2\text{Te}_{2.7}\text{Se}_{0.3}$ compounds. <i>Journal of Alloys and Compounds</i> , 2017, 696, 213-219.	5.5	18
3	Effects of Cl-Doping on Thermoelectric Transport Properties of $\text{Cu}_2\text{Se}$ Prepared by Spark Plasma Sintering. <i>Journal of Electronic Materials</i> , 2019, 48, 1958-1964.	2.2	18
4	Composition-dependent charge transport and temperature-dependent density of state effective mass interpreted by temperature-normalized Pisarenko plot in $\text{Bi}_2\text{SbTe}_3$ compounds. <i>APL Materials</i> , 2016, 4, 104812.	5.1	14
5	Significantly enhanced chemical stability in interface-controlled $\text{Cu}_2\text{+Se}$ -reduced graphene oxide composites and related thermoelectric performances. <i>Journal of the European Ceramic Society</i> , 2021, 41, 459-465.	5.7	13
6	Comparison of the electronic and thermoelectric properties of three layered phases $\text{Bi}_2\text{Te}_3$ , $\text{PbBi}_2\text{Te}_4$ and $\text{PbBi}_4\text{Te}_7$ : LEGO thermoelectrics. <i>AIP Advances</i> , 2018, 8, .	1.3	11
7	Thermoelectric transport properties of tetradymite-type $\text{Pb}_1\text{-Sn Bi}_2\text{Te}_4$ compounds. <i>Journal of Alloys and Compounds</i> , 2017, 690, 966-970.	5.5	7