

# Seng Huat Lee

## List of Publications by Year in descending order

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24  
papers

569  
citations

759233

12  
h-index

677142

22  
g-index

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24  
docs citations

24  
times ranked

1072  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlayer magnetophononic coupling in MnBi <sub>2</sub> Te <sub>4</sub> . Nature Communications, 2022, 13, 1929.	12.8	22
2	Thermal and thermoelectric properties of an antiferromagnetic topological insulator $\text{MnBi}_2\text{Te}_4$ . Physical Review B, 2022, 105, .	3.2	22
3	Infrared study of the layered magnetic insulator $\text{Mn}_2\text{Te}$ at low temperatures. Physical Review B, 2022, 105, .	2.4	11
4	Ferromagnetic quantum states obtained with low-concentration Sb doping: A promising platform for exploring topological quantum states. Physical Review Materials, 2022, 6, .	3.2	22
5	Direct evidence of ferromagnetism in $\text{MnSb}_2\text{Te}_4$ . Physical Review B, 2021, 103, .	8.9	30
6	Origins of electronic bands in the antiferromagnetic topological insulator $\text{MnBi}_2\text{Te}_4$ . Physical Review B, 2021, 104, .	1.3	10
7	Evidence for a Magnetic-Field-Induced Ideal Type-II Weyl State in Antiferromagnetic Topological Insulator $\text{MnBi}_2\text{Te}_4$ . Physical Review Letters, 2021, 126, 177201.	3.2	8
8	An integrated quantum material testbed with multi-resolution photoemission spectroscopy. Review of Scientific Instruments, 2021, 92, 113907.	3.5	2
9	Two phase transitions driven by surface electron doping in $\text{WTe}_2$ . Physical Review B, 2020, 102, .	3.3	17
10	Influence of magnetic ordering on the optical response of the antiferromagnetic topological insulator $\text{Bi}_2\text{Te}_3$ . Physical Review B, 2020, 102, .	12.8	35
11	Picosecond laser ultrasonic measurements of interlayer elastic properties of 2H-MoSe <sub>2</sub> and 2H-WSe <sub>2</sub> . Materials Today Chemistry, 2020, 18, 100369.	2.4	21
12	Electric field induced metallic behavior in thin crystals of ferroelectric $\text{In}_2\text{Se}_3$ . Applied Physics Letters, 2020, 117, .	9.1	18
13	Z3-vestigial nematic order due to superconducting fluctuations in the doped topological insulators $\text{Nb}_x\text{Bi}_2\text{Se}_3$ and $\text{Cu}_x\text{Bi}_2\text{Se}_3$ . Nature Communications, 2020, 11, 3056.	3.6	204
14	Ferromagnetism in van der Waals compound $\text{MnSb}_2\text{Te}_4$ . Physical Review B, 2020, 102, .	3.6	204
15	Conductance Spectroscopy of Exfoliated Thin Flakes of $\text{NbBi}_2\text{Se}_3$ . Nano Letters, 2019, 19, 38-45.	3.2	8
16	Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator $\text{MnBi}_2\text{Te}_4$ . Physical Review B, 2019, 100, 080401.	3.2	8
17	Electronic fingerprints of Cr and V dopants in the topological insulator $\text{Sb}_2\text{Te}_3$ . Physical Review B, 2018, 98, .	3.2	5
18	Scanning tunneling spectroscopy investigations of superconducting-doped topological insulators: Experimental pitfalls and results. Physical Review B, 2018, 98, .		

#	ARTICLE	IF	CITATIONS
19	New insights into the structure, chemistry, and properties of Cu <sub>4</sub> SnS <sub>4</sub> . Journal of Solid State Chemistry, 2017, 253, 192-201.	2.9	23
20	Nematic topological superconducting phase in Nb-doped Bi <sub>2</sub> Se <sub>3</sub> . Npj Quantum Materials, 2017, 2, .	5.2	67
21	Intermediate regime between metal and superconductor below $T = 100$ K in NiSi. Physical Review B, 2016, 94, .	3.2	2
22	Metallic Ternary Telluride with Sphalerite Superstructure. Inorganic Chemistry, 2016, 55, 2114-2122.	4.0	8
23	EUV Emission Study of a 600 Joules Small Plasma Focus Device. , 2010, , .		1
24	Preliminary Results Of A 600 Joules Small Plasma Focus Device. , 2009, , .		0