

# Run Yang

## List of Publications by Year in descending order

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1042  
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#	ARTICLE	IF	CITATIONS
1	Photocurrent-driven transient symmetry breaking in the Weyl semimetal TaAs. Nature Materials, 2022, 21, 62-66.	27.5	20
2	Direct Observation of Coherent Longitudinal and Shear Acoustic Phonons in TaAs Using Ultrafast X-Ray Diffraction. Physical Review Letters, 2022, 128, 155301.	7.8	7
3	Pressure tuning of the iron-based superconductor (Ca <sub>0.73</sub> La <sub>0.27</sub> )FeAs <sub>2</sub> . Physical Review B, 2021, 103, .	3.2	3
4	Hund's superconductor Li(Fe,Co)As. Physical Review B, 2021, 103, .	3.2	2
5	Ingredients for enhanced thermoelectric power at cryotemperatures in the correlated semiconductor CoSbS revealed by its optical response. Physical Review B, 2021, 103, .	3.2	1
6	Evidence for correlation effects in noncentrosymmetric type-II Weyl semimetals. Physical Review B, 2021, 104, .	3.2	5
7	Electronic correlations in the van der Waals ferromagnet $\text{Fe}_3\text{S}_2$ revealed by its charge dynamics. Physical Review B, 2020, 102, .	3.2	10
8	Magnetization-Induced Band Shift in Ferromagnetic Weyl Semimetal $\text{Co}_3\text{S}_2$ . Physical Review Letters, 2020, 124, 077403.	7.8	14
9	Observation of a topological nodal-line semimetal in $\text{YbMnSb}_2$ through optical spectroscopy. Physical Review B, 2019, 100, .	3.2	20
10	Scaling of the Fano Effect of the In-Plane Fe-As Phonon and the Superconducting Critical Temperature in $\text{BaKxFe}_2\text{As}_2$ . Physical Review Letters, 2019, 122, 217002.	7.8	17
11	Tracking Ultrafast Photocurrents in the Weyl Semimetal TaAs Using THz Emission Spectroscopy. Physical Review Letters, 2019, 122, 197401.	7.8	76
12	Unravelling the mechanism of the semiconducting-like behavior and its relation to superconductivity in $\text{CaFe}_5\text{As}_2$ . Physical Review B, 2019, 99, .	3.2	5
13	Revealing the pseudogap in $\text{Sr}_3\text{O}_7$ . Physical Review B, 2018, 98, .	3.2	0
14	Infrared spectroscopic studies of the topological properties in $\text{CaMnSb}_2$ . Physical Review B, 2018, 98, .	3.2	1
15	Anomalous phonon behavior in superconducting $\text{CaKFe}_4\text{As}_2$ : An optical study. Physical Review B, 2017, 95, .	3.2	1
16	Infrared spectroscopic study on lattice dynamics in $\text{CaFeO}_3$ . Physical Review B, 2017, 95, .	3.2	1
17	Temperature-tunable Fano resonance induced by strong coupling between Weyl fermions and phonons in TaAs. Nature Communications, 2017, 8, 14933.	12.8	57
18	Observation of an emergent coherent state in the iron-based superconductor $\text{KFe}_2\text{As}_2$ . Physical Review B, 2017, 96, .	3.2	9

#	ARTICLE	IF	CITATIONS
19	Optical spectroscopy of the Weyl semimetal TaAs. Physical Review B, 2016, 93, .	3.2	146
20	Optical study of the antiferromagnetic ordered state in electron-overdoped $\text{Ca}_{1-x}\text{Mn}_x\text{Co}_2$ . Physical Review B, 2016, 93, .	3.2	0
21	Optical study of charge dynamics in $\text{CaCo}_2\text{As}_2$ . Chinese Physics B, 2016, 25, 057201.	1.4	0
22	Spin-flop transition and magnetic phase diagram in $\text{CaCo}_2\text{As}_2$ by torque measurements. Physical Review B, 2015, 92, .	1.2	0
23	Formation of As-As bond and its effect on absence of superconductivity in the collapsed tetragonal phase of $\text{Ca}_{1-x}\text{Mn}_x\text{Co}_2$ . An optical spectroscopy study. Physical Review B, 2015, 91, .	3.2	9
24	The correlation of epitaxial graphene properties and morphology of SiC (0001). Journal of Applied Physics, 2014, 115, 043527.	2.5	12
25	Spin dependence of electron effective masses in InGaAs/InAlAs quantum well. Journal of Applied Physics, 2011, 110, 063707.	2.5	4
26	Substrate doping effects on Raman spectrum of epitaxial graphene on SiC. Journal of Applied Physics, 2010, 107, 034305.	2.5	37
27	Insulator-quantum Hall conductor transition in high electron density gated InGaAs/InAlAs quantum wells. Journal of Applied Physics, 2010, 108, 063701.	2.5	8