

# Yukuai Zhuang

## List of Publications by Year in descending order

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docs citations

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times ranked

186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced permanent metallization with reversible structural transition in molybdenum disulfide. Applied Physics Letters, 2017, 110, .	3.3	45
2	Pressure-induced irreversible metallization accompanying the phase transitions in $Sb_2S_3$ . Physical Review B, 2018, 97, .	3.2	45
3	Superionic iron oxide hydroxide in Earth's deep mantle. Nature Geoscience, 2021, 14, 174-178.	12.9	36
4	Pressure-induced irreversible amorphization and metallization with a structural phase transition in arsenic telluride. Journal of Materials Chemistry C, 2017, 5, 12157-12162.	5.5	35
5	Evolution of Structural and Electronic Properties of $TiSe_2$ under High Pressure. Journal of Physical Chemistry Letters, 2021, 12, 9859-9867.	4.6	21
6	Mid-mantle water transportation implied by the electrical and seismic properties of $\mu\text{-FeOOH}$ . Science Bulletin, 2022, 67, 748-754.	9.0	14
7	Pressure-induced phase transitions for goethite investigated by Raman spectroscopy and electrical conductivity. High Pressure Research, 2019, 39, 106-116.	1.2	13
8	Anomalous phase transition of Bi-doped $Zn_2GeO_4$ investigated by electrical conductivity and Raman spectroscopy under high pressure. Journal of Applied Physics, 2017, 121, 125901.	2.5	12
9	Migration of impurity level reflected in the electrical conductivity variation for natural pyrite at high temperature and high pressure. Physics and Chemistry of Minerals, 2018, 45, 85-92.	0.8	10
10	Deviatoric stress-induced quasi-reconstructive phase transition in ZnTe. Journal of Materials Chemistry C, 2020, 8, 3795-3799.	5.5	8
11	Pressure-induced reversible metallization and phase transition in Zinc Telluride. Modern Physics Letters B, 2018, 32, 1850342.	1.9	6
12	Some Remarks on the Electrical Conductivity of Hydrated Silicate Minerals in the Earth Crust, Upper Mantle and Subduction Zone at High Temperatures and High Pressures. Minerals (Basel, Switzerland), 2022, 12, 161.	2.0	6
13	High-pressure electrical conductivity and Raman spectroscopy of chalcantite. Spectroscopy Letters, 2018, 51, 531-539.	1.0	5
14	Partial Deoxygenation and Dehydration of Ferric Oxyhydroxide in Earth's Subducting Slabs. Geophysical Research Letters, 2021, 48, e2021GL094446.	4.0	2