

# Yukuai Zhuang

## List of Publications by Year in descending order

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14  
papers

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| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | 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         |
| 2  | Mid-mantle water transportation implied by the electrical and seismic properties of $\hat{\mu}$ -FeOOH. Science Bulletin, 2022, 67, 748-754.   | 9.0  | 14        |
| 3  | Superionic iron oxide-hydroxide in Earth's deep mantle. Nature Geoscience, 2021, 14, 174-178.  | 12.9 | 36        |
| 4  | Partial Deoxygenation and Dehydration of Ferric Oxyhydroxide in Earth's Subducting Slabs. Geophysical Research Letters, 2021, 48, e2021GL094446.   | 4.0  | 2         |
| 5  | Evolution of Structural and Electronic Properties of $\text{TiSe}_2$ under High Pressure. Journal of Physical Chemistry Letters, 2021, 12, 9859-9867.  | 4.6  | 21        |
| 6  | Deviatoric stress-induced quasi-reconstructive phase transition in ZnTe. Journal of Materials Chemistry C, 2020, 8, 3795-3799.   | 5.5  | 8         |
| 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  | Pressure-induced irreversible metallization accompanying the phase transitions in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{S} \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{b} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ . | 3.2  | 45        |
| 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 | High-pressure electrical conductivity and Raman spectroscopy of chalcantite. Spectroscopy Letters, 2018, 51, 531-539.  | 1.0  | 5         |
| 11 | Pressure-induced reversible metallization and phase transition in Zinc Telluride. Modern Physics Letters B, 2018, 32, 1850342.   | 1.9  | 6         |
| 12 | Anomalous phase transition of Bi-doped $\text{Zn}_2\text{GeO}_4$ investigated by electrical conductivity and Raman spectroscopy under high pressure. Journal of Applied Physics, 2017, 121, 125901.  | 2.5  | 12        |
| 13 | Pressure-induced permanent metallization with reversible structural transition in molybdenum disulfide. Applied Physics Letters, 2017, 110, .  | 3.3  | 45        |
| 14 | 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        |