

# Shengxuan Huang

## List of Publications by Year in descending order

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9  
papers

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1683934  
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docs citations

9  
times ranked

103  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced structural and spin transitions of Fe <sub>3</sub> S <sub>4</sub> . Scientific Reports, 2017, 7, 46334.	1.6	10
2	Ultra-high Pressure Phase Transitions in FeS <sub>2</sub> and FeO <sub>2</sub> : Implications for Super-Earths' Deep Interior. Journal of Geophysical Research: Solid Earth, 2018, 123, 277-284.	1.4	10
3	Structural, magnetic and electronic properties of CrO <sub>2</sub> at multimegabar pressures. RSC Advances, 2018, 8, 24561-24570.	1.7	10
4	Stability and anisotropy of (Fe <sub>x</sub> Ni <sub>1-x</sub> ) <sub>2</sub> O under high pressure and implications in Earth's and super-Earths' core. Scientific Reports, 2018, 8, 236.	1.6	8
5	Elasticity and Anisotropy of the Pyrite-Type FeO <sub>2</sub> H-FeO <sub>2</sub> System in Earth's Lowermost Mantle. Journal of Earth Science (Wuhan, China), 2019, 30, 1293-1301.	1.1	7
6	Pressure-Induced Phase Transition in Mn(Ta,Nb) <sub>2</sub> O <sub>6</sub> : An Experimental Investigation and First-Principle Study. Inorganic Chemistry, 2020, 59, 18122-18130.	1.9	6
7	Medium-range structure motifs of complex iron oxides. Journal of Applied Physics, 2022, 131, .	1.1	4
8	High Pressure Phase Stability and Thermoelastic Properties of Iron Carbonitrides and Nitrogen in the Deep Earth. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021934.	1.4	3
9	Magnetism-Vanishing Stabilizes the Pyrite-Type 3d Transition Metal Peroxides at High Pressures. Journal of Physical Chemistry C, 2020, 124, 10085-10093.	1.5	1