

# Shuai Yan

## List of Publications by Year in descending order

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14  
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docs citations

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times ranked

685  
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#	ARTICLE	IF	CITATIONS
1	Isothermal pressure-derived metastable states in 2D hybrid perovskites showing enduring bandgap narrowing. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8076-8081.	7.1	137
2	Structural phase transitions in Bi <sub>2</sub> Se <sub>3</sub> under high pressure. Scientific Reports, 2015, 5, 15939.	3.3	56
3	Pressure-induced structural evaluation and insulator-metal transition in the mixed spinel ferrite $Zn_{1-x}Mg_xFe_2O_4$	3.2	21
4	Anomalous compression behaviour in Nd <sub>2</sub> O <sub>3</sub> studied by x-ray diffraction and Raman spectroscopy. AIP Advances, 2018, 8, .	1.3	19
5	Pressure-Induced Crystallization and Phase Transformation of Para-xylene. Scientific Reports, 2017, 7, 5321.	3.3	18
6	Pressure-induced phase transitions of exposed curved surface nano-TiO <sub>2</sub> with high photocatalytic activity. Journal of Applied Physics, 2016, 119, .	2.5	14
7	The behaviors of anatase and TiO <sub>2</sub> (B) phase coexisting nanosheets under high pressure. Radiation Physics and Chemistry, 2016, 120, 1-6.	2.8	13
8	Single crystal growth, crystalline structure investigation and high-pressure behavior of impurity-free siderite (FeCO <sub>3</sub> ). Physics and Chemistry of Minerals, 2018, 45, 831-842.	0.8	13
9	Investigation of Compton profiles of molecular methane and ethane. Journal of Chemical Physics, 2015, 142, 084301.	3.0	5
10	Temperature-dependent thermal properties of Ru/C multilayers. Journal of Synchrotron Radiation, 2017, 24, 975-980.	2.4	5
11	Optical oscillator strengths of the vibronic excitations of molecular deuterium determined by the dipole ( $T_j$ )	2.5	4
12	A 1-m non-resonant inelastic x-ray scattering spectrometer at BL15U, Shanghai Synchrotron Radiation Facility. Review of Scientific Instruments, 2018, 89, 085108.	1.3	4
13	High-pressure in-situ X-ray diffraction and Raman spectroscopy of Ca <sub>2</sub> AlFeO <sub>5</sub> brownmillerite. High Pressure Research, 2019, 39, 92-105.	1.2	4
14	An equivalent source to describe realistic synchrotron hard X-rays. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	0