Yu-Cheng Shao

List of Publications by Year
in descending order

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21 papers	394 citations	1040056 9 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	1055 citing authors

#	Article	IF	Citations
1	Modular soft x-ray spectrometer for applications in energy sciences and quantum materials. Review of Scientific Instruments, 2017, 88, 013110.	1.3	77
2	Effect of geometry on the magnetic properties of CoFe2O4â€“PbTiO3 multiferroic composites. RSC Advances, 2013, 3, 7884.	3.6	53
3	Nitrogen-Functionalized Graphene Nanoflakes (GNFs:N): Tunable Photoluminescence and Electronic Structures. Journal of Physical Chemistry C, 2012, 116, 16251-16258.	3.1	51
4	Origin of magnetic properties in carbon implanted ZnO nanowires. Scientific Reports, 2018, 8, 7758.	3.3	40
5	Understanding of sub-band gap absorption of femtosecond-laser sulfur hyperdoped silicon using synchrotron-based techniques. Scientific Reports, 2015, 5, 11466.	3.3	34
6	Correlation between electrochromism and electronic structures of tungsten oxide films. RSC Advances, 2014, 4, 5036.	3.6	31
7	Visualizing chemical states and defects induced magnetism of graphene oxide by spatially-resolved-X-ray microscopy and spectroscopy. Scientific Reports, 2015, 5, 15439.	3.3	31
8	Atomic-scale observation of a graded polar discontinuity and a localized two-dimensional electron density at an insulating oxide interface. Physical Review B, 2013, 87, .	3.2	16
9	Anisotropy in the thermal hysteresis of resistivity and charge density wave nature of single crystal SrFeO3-î´: X-ray absorption and photoemission studies. Scientific Reports, 2017, 7, 161.	3.3	16
10	Correlation between<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-type conductivity and electronic structure of Cr-deficient CuCr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	9
11	Momentum-resolved resonant inelastic soft X-ray scattering (qRIXS) endstation at the ALS. Journal of Electron Spectroscopy and Related Phenomena, 2022, 257, 146897.	1.7	8
12	Anisotropy in the magnetic interaction and lattice-orbital coupling of single crystal Ni3TeO6. Scientific Reports, 2018, 8, 15779.	3.3	6
13	Fabrication and 3D Patterning of Bioâ€Composite Consisting of Carboxymethylated Cellulose Nanofibers and Cobalt Ferrite Nanoparticles. ChemistrySelect, 2019, 4, 4416-4421.	1.5	4
14	Realization of Electron Antidoping by Modulating the Breathing Distortion in BaBiO₃. Nano Letters, 2021, 21, 3981-3988.	9.1	4
15	The key energy scales of Gd-based metallofullerene determined by resonant inelastic x-ray scattering spectroscopy. Scientific Reports, 2017, 7, 8125.	3.3	3
16	Evolution of superconductivity in K _{2â^’x} Fe _{4+y} Se ₅ : Spectroscopic studies of X-ray absorption and emission. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22458-22463.	7.1	3
17	Spectroscopic Determination of Key Energy Scales for the Base Hamiltonian of Chromium Trihalides. Journal of Physical Chemistry Letters, 2021, 12, 724-731.	4.6	3
18	Strain effect on orbital and magnetic structures of Mn ions in epitaxial Nd0.35Sr0.65MnO3/SrTiO3 films using X-ray diffraction and absorption. Scientific Reports, 2019, 9, 5160.	3.3	2

#	Article	IF	Citations
19	Reproducibly creating hierarchical 3D carbon to study the effect of Si surface functionalization on the oxygen reduction reaction. Nanoscale, 2016, 8, 11617-11624.	5.6	1
20	The effect of orbital-lattice coupling on the electrical resistivity of YBaCuFeO5 investigated by X-ray absorption. Scientific Reports, 2019, 9, 18586.	3.3	1
21	Electronic surface reconstruction of TiO2 nanocrystals revealed by resonant inelastic x-ray scattering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2021, 39, .	2.1	1