

Sorb Yesudhas

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

328
citations

933447

10
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural, vibrational, and electrical properties of NaZrO_3 under high pressure: Experiments and theory. Physical Review B, 2016, 97, .	3.2	63
2	Pressure-induced electronic topological transition in Sb_2S_3 . Journal of Physics Condensed Matter, 2016, 28, 015602.	3.2	43
3	Pressure induced structural, electronic topological, and semiconductor to metal transition in AgBiSe_2 . Applied Physics Letters, 2016, 109, .	1.8	41
4	Pressure-Induced Phase Changes in Cesium Lead Bromide Perovskite Nanocrystals with and without Ruddlesden-Popper Faults. Chemistry of Materials, 2020, 32, 785-794.	3.3	25
5	Extraordinarily Stable Noncubic Structures of Au: A High-Pressure and -Temperature Study. Chemistry of Materials, 2017, 29, 1485-1489.	6.7	25
6	High pressure Raman spectroscopy of layered matlockite, PbFCl . Journal of Physics Condensed Matter, 2013, 25, 155401.	6.7	20
7	Pressure-induced structural changes and insulator-metal transition in layered bismuth triiodide, BiI_3 : a combined experimental and theoretical study. Journal of Physics Condensed Matter, 2014, 26, 275502.	1.8	16
8	Coupling of organic cation and inorganic lattice in methylammonium lead halide perovskites: Insights into a pressure-induced isostructural phase transition. Physical Review Materials, 2020, 4, .	1.8	16
9	Lattice frustration in spin-orbit Mott insulator $\text{Sr}_3\text{Ir}_2\text{O}_7$ at high pressure. Npj Quantum Materials, 2019, 4, .	2.4	13
10	Chemical ordering and pressure-induced isostructural and electronic transitions in MoSSe crystal. Physical Review B, 2020, 102, .	5.2	12
11	Structural phase transitions of ionic layered PbFX ($X = \text{Cl}^-$ or Br^-) compounds under high pressure. Materials Research Bulletin, 2015, 65, 1-6.	3.2	12
12	Interferoelectric transition as another manifestation of intrinsic size effect in ferroelectrics. Physical Review B, 2016, 94, .	5.2	8
13	Probing Cerium $4f$ States across the Volume Collapse Transition by X-ray Raman Scattering. Journal of Physical Chemistry Letters, 2019, 10, 7890-7897.	3.2	8
14	Structural, Vibrational, and Electronic Properties of 1D-TlInTe_2 under High Pressure: A Combined Experimental and Theoretical Study. Inorganic Chemistry, 2021, 60, 9320-9331.	4.6	8
15	High Pressure in situ Micro-Raman Spectroscopy of Ge-Sn System Synthesized in a Laser Heated Diamond Anvil Cell. , 2011, , .	4.0	6
16	Synthesis of Ge-Sn at high pressure and high temperature in a laser-heated diamond anvil cell. Philosophical Magazine, 2015, 95, 158-166.	1.6	4
17	Prolonged mixed phase induced by high pressure in MnRuP . Physical Review B, 2018, 97, .	3.2	3

#	ARTICLE	IF	CITATIONS
19	Evidence for Ge-C bond formation at high P-T conditions in a laser heated diamond anvil cell. , 2012, , .		1
20	Diamond: High-Pressure Synthesis. , 2016, , .		1