

Sukanta Karmakar

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

511
citations

933447

10
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

785
citing authors

#	ARTICLE	IF	CITATIONS
1	$\hat{1}\pm$ -Glycine under high pressures: a Raman scattering study. <i>Physica B: Condensed Matter</i> , 2003, 339, 23-30.	2.7	126
2	Pressure-induced phase transformation and structural resilience of single-wall carbon nanotube bundles. <i>Physical Review B</i> , 2001, 63, .	3.2	97
3	Pressure-induced electronic topological transition in Sb_2S_3 . <i>Journal of Physics Condensed Matter</i> , 2016, 28, 015602.	1.8	41
4	Pressure-induced amorphization in $Y_2(WO_4)_3$: in situ X-ray diffraction and Raman studies. <i>Journal of Solid State Chemistry</i> , 2004, 177, 4087-4092.	2.9	33
5	Pressure-induced suppression of charge density wave and emergence of superconductivity in Pd_2P . <i>Physical Review B</i> , 2020, 101, .	3.2	33
6	Structural changes in single-walled carbon nanotubes under non-hydrostatic pressures: x-ray and Raman studies. <i>New Journal of Physics</i> , 2003, 5, 143-143.	2.9	32
7	Pressure-induced superconductivity in semimetallic $1T' TiTe_2$ and its persistence upon decompression. <i>Physical Review B</i> , 2018, 97, .	3.2	31
8	Pressure Effects on Single Wall Carbon Nanotube Bundles. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 223, 479-487.	1.5	28
9	Pressure induced structural, electronic topological, and semiconductor to metal transition in $AgBiSe_2$. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	25
10	High pressure behavior of Ni -filled and Fe -filled multiwalled carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 3612-3619.	1.5	15
11	Diagram of the Multiorbital Mott Insulator Pd_2P . <i>Physical Review Letters</i> , 2015, 114, 166402.	7.8	8
12	$Cd_2Re_2O_7$ under high pressure: Pyrochlore lattice distortion-driven metal-to-nonmetal transition. <i>Physical Review B</i> , 2016, 93, .	3.2	8
13	Infrared spectroscopic measurements of structural transition and charge dynamics in $TiTe_2$ under pressure. <i>Physical Review B</i> , 2019, 99, .	3.2	8
14	Measurement of improved pressure dependence of superconducting transition temperature. <i>High Pressure Research</i> , 2013, 33, 381-391.	1.2	7
15	Structural and optical investigations of $Fe_{1.03}Se_{0.5}Te_{0.5}$ under high pressure. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 125701.	1.8	7
16	Pressure-induced tuning of quantum spin liquid state in $ZnCu_3VO_8$. <i>Physical Review B</i> , 2020, 101, .	3.2	3
17	Raman scattering studies on mercuric iodide at high pressures and at low temperatures. <i>Physica B: Condensed Matter</i> , 2005, 369, 287-292.	2.7	3
18	High-pressure behavior of red mercuric iodide: in situ X-ray diffraction and optical absorption studies. <i>Solid State Communications</i> , 2004, 131, 473-473.	1.9	1

#	ARTICLE	IF	CITATIONS
19	Tuning the structure of the skyrmion lattice system Cu ₂ OSeO ₃ under pressure. Physical Review B, 2020, 102, .	3.2	1
20	High-pressure X-ray diffraction studies on β -Ni(OH) ₂ . Physica B: Condensed Matter, 2004, 349, 245-245.	2.7	0
21	Nano Materials Under High Pressures. , 2010, , .		0
22	Pressure-induced amorphization of charge ordered spinel AlV ₂ O ₄ at low temperature. , 2014, , .		0
23	Low Temperature Optical Investigations of the Iron-chalcogenide Superconductor Fe _{1.03} Se _{0.5} Te _{0.5} Under High Pressure. Physics Procedia, 2014, 54, 107-112.	1.2	0
24	Pressure-induced phase transformation and structural resilience of single-wall carbon nanotube bundles. World Scientific Series in 20th Century Chemistry, 2003, , 300-304.	0.0	0