

Sayantika Bhowal

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4375531/publications.pdf>

Version: 2024-02-01

34
papers

601
citations

567281

15
h-index

610901

24
g-index

34
all docs

34
docs citations

34
times ranked

794
citing authors

#	ARTICLE	IF	CITATIONS
19	Orbital Hall effect in bilayer transition metal dichalcogenides: From the intra-atomic approximation to the Bloch states orbital magnetic moment approach. Physical Review B, 2022, 105, .	3.2	11
20	Spin wave excitations in the pyrovanadate $V\hat{\Gamma}_2$ O_7 . Physical Review B, 2016, 94, .	3.2	10
21	Orbital gyrotropic magnetoelectric effect and its strain engineering in monolayer $Nb\hat{\Gamma}_2$ O_7 . Physical Review B, 2020, 102, .		
22	Study of nontrivial magnetism in 3d ⁵ d transition metal based double perovskites. Physical Review B, 2020, 101, .	3.2	7
23	Revealing hidden magnetoelectric multipoles using Compton scattering. Physical Review Research, 2021, 3, .	3.6	7
24	Hidden k -Space Magnetoelectric Multipoles in Nonmagnetic Ferroelectrics. Physical Review Letters, 2022, 128, 116402.	7.8	7
25	Interplay between structural, magnetic, and electronic states in the pyrochlore iridate EuO_7 . Physical Review B, 2022, 105, .	3.2	6
26	Spin-orbit coupling driven novel magnetism in $d_{5/6H}$ -perovskite iridates $Ba_3IrTi_2O_9$ and $Ba_3TiIr_2O_9$. Journal of Physics Condensed Matter, 2019, 31, 185802.	1.8	5
27	Spin-orbit effects in pentavalent iridates: models and materials. Journal of Physics Condensed Matter, 2021, 33, 453001.	1.8	5
28	Emergent magnetism at the 3d-5d interface: SrMnO ₃ /SrIrO ₃ . AIP Conference Proceedings, 2018, , .	0.4	4
29	Stability of the antiferromagnetic state in the electron doped iridates. Journal of Physics Condensed Matter, 2018, 30, 235601.	1.8	3
30	Interplay of covalency, non-cubic crystal field, and spin-orbit coupling: A comparative study of d ₅ , d ₄ , and d ₃ double perovskite iridates Sr ₂ MIrO ₆ (M ²⁺ =Ce, Sc, Ca). Journal of Magnetism and Magnetic Materials, 2020, 507, 166827.	2.3	3
31	Anti-symmetric Compton scattering in LiNiPO ₄ : Towards a direct probe of the magneto-electric multipole moment. Open Research Europe, 0, 1, 132.	2.0	2
32	Breakdown of atomic spin-orbit coupling picture in an apparently isolated pseudo-one-dimensional iridate: $Sr_3Ir_2O_{10}$. Physical Review B, 2022, 105, .	3.2	2
33	Study of magnetic and multiferroic properties of $\hat{\Gamma}_2$ -copper pyrovanadate. AIP Conference Proceedings, 2018, , .	0.4	0
34	Anti-symmetric Compton scattering in LiNiPO ₄ : Towards a direct probe of the magneto-electric multipole moment. Open Research Europe, 0, 1, 132.	2.0	0