

Sayantika Bhowal

List of Publications by Year in descending order

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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	Electric field tuning of the anomalous Hall effect at oxide interfaces. Npj Computational Materials, 2019, 5, .	8.7	18
20	hexagonal perovskites in the light of spin-orbit coupling and local structural distortions. Physical Review B, 2018, 97, .	3.2	17
21	Covariant spin-orbit coupling driven magnetism in the double-perovskite iridates (Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 657 Td	3.2	15
22	Stability of the antiferromagnetic state in the electron doped iridates. Journal of Physics Condensed Matter, 2018, 30, 235601.	1.8	3
23	Origin of magnetic moments and presence of spin-orbit singlets in Ba ₂ YrO ₆ . Physical Review B, 2018, 98, .	3.2	27
24	Emergent magnetism at the 3d-5d interface: SrMnO ₃ /SrIrO ₃ . AIP Conference Proceedings, 2018, , .	0.4	4
25	Study of magnetic and multiferroic properties of \hat{I}_{\pm} -copper pyrovanadate. AIP Conference Proceedings, 2018, , .	0.4	0
26	A comparative study of electronic, structural, and magnetic properties of \hat{I}_{\pm} and \hat{I}_{\pm}^2 iridate. Physical Review B, 2015, 92, .	3.2	25
27	Spin wave excitations in the pyrovanadate \hat{I}_{\pm} iridate. Physical Review B, 2015, 92, .	7.8	58
28	Breakdown of the \hat{I}_{\pm} iridate. Physical Review B, 2015, 92, .	3.2	10
29	Electronic structure and spin-orbit driven magnetism in \hat{I}_{\pm} iridate. Physical Review B, 2015, 92, .	3.2	59
30	Magnetic properties and heat capacity of the three-dimensional frustrated \hat{I}_{\pm} iridate. Physical Review B, 2015, 92, .	3.2	18
31	Effect of spin-orbit coupling and Hubbard U on the electronic structure of IrO ₂ . Physical Review B, 2014, 89, .	3.2	52
32	Anti-symmetric Compton scattering in LiNiPO ₄ : Towards a direct probe of the magneto-electric multipole moment. Open Research Europe, 0, 1, 132.	3.2	35
33	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
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