

Maximilien Cazayous

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

1,103
citations

933447

10
h-index

888059

17
g-index

18
all docs

18
docs citations

18
times ranked

1948
citing authors

#	ARTICLE	IF	CITATIONS
1	Crafting the magnonic and spintronic response of BiFeO ₃ films by epitaxial strain. Nature Materials, 2013, 12, 641-646.	27.5	311
2	Electric-field control of spin waves at room temperature in multiferroic BiFeO ₃ . Nature Materials, 2010, 9, 975-979.	27.5	227
3	Possible Observation of Cycloidal Electromagnons in BiFeO_3 . Physical Review Letters, 2008, 101, 037601.	7.8	191
4	Amplitude Higgs mode in the BiFeO_3 . Physical Review B, 2014, 89, .	8.1	124
5	Intimate link between charge density wave, pseudogap and superconducting energy scales in cuprates. Nature Physics, 2019, 15, 771-775.	16.7	64
6	Pressure-Induced Collapse of the Charge Density Wave and Higgs Mode Visibility in BiFeO_3 . Physical Review Letters, 2019, 122, 127001.	7.8	55
7	Magnetoelastic excitations in multiferroic TbMnO_3 studied by Raman scattering. Physical Review B, 2010, 81, .	3.2	39
8	Lattice dynamics of multiferroic BiFeO_3 studied by inelastic x-ray scattering. Journal of Physics Condensed Matter, 2013, 25, 102201.	1.8	23
9	Piezoelectric measurements on BiFeO ₃ single crystal by Raman scattering. Journal of Magnetism and Magnetic Materials, 2009, 321, 1699-1701.	2.3	20
10	Temperature evolution of the band gap in BiFeO_3 by resonant Raman scattering. Physical Review B, 2016, 93, .	3.2	20
11	Elastic properties assessment in the multiferroic BiFeO ₃ by pump and probe method. Applied Physics Letters, 2021, 118, .	3.3	7
12	Size-dependent bistability in multiferroic nanoparticles. Physical Review Materials, 2019, 3, .	2.4	6
13	Impact of the surface phase transition on magnon and phonon excitations in BiFeO ₃ nanoparticles. Applied Physics Letters, 2020, 116, .	3.3	5
14	Reproducible nanostructuring of the superconducting $\text{Pb}(\text{BEDT-TTF})_2\text{Cu}(\text{NCS})_2$ phase. Synthetic Metals, 2020, 261, 116310.	3.9	4
15	Confined magnons. Physical Review B, 2021, 104, .	3.2	3
16	Possible observation of the signature of the bad metal phase and its crossover to a Fermi liquid in $\text{Pb}(\text{BEDT-TTF})_2\text{Cu}(\text{NCS})_2$ bulk and nanoparticles by Raman scattering. Journal of Physics Condensed Matter, 2021, 33, 125403.	1.8	2
17	Elastic and magnetoelastic properties of TbMnO_3 single crystal by nanosecond time resolved acoustics and first-principles calculations. Journal of Physics Condensed Matter, 2021, 33, 495402.	1.8	2
18	Amplitude mode of charge density wave in $\text{TTF}[\text{Ni}(\text{dmit})_2]_2$ observed by electronic Raman scattering. Physical Review B, 2021, 103, .	3.2	0