

Alberto Crepaldi

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,635
citations

361413

20
h-index

289244

40
g-index

44
all docs

44
docs citations

44
times ranked

2821
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanoscale-Resolved Surface-to-Bulk Electron Transport in CsPbBr ₃ Perovskite. Nano Letters, 2022, 22, 1067-1074.	9.1	6
2	Hidden bulk and surface effects in the spin polarization of the nodal-line semimetal ZrSiTe. Communications Physics, 2021, 4, .	5.3	7
3	Photoinduced long-lived state in FeSe _{0.4} Te _{0.6} . Journal of Electron Spectroscopy and Related Phenomena, 2021, 250, 147090.	1.7	3
4	Origin of large magnetoresistance in the topological nonsymmorphic semimetal TaSe ₃ . Physical Review B, 2021, 104, .	3.2	2
5	Radial Spin Texture of the Weyl Fermions in Chiral Tellurium. Physical Review Letters, 2020, 125, 216402.	7.8	47
6	Light-Induced Renormalization of the Dirac Quasiparticles in the Nodal-Line Semimetal ZrSiSe. Physical Review Letters, 2020, 125, 076401.	7.8	26
7	Evidence of Large Polarons in Photoemission Band Mapping of the Perovskite Semiconductor CsPbBr ₃ . Physical Review Letters, 2020, 124, 206402.	7.8	74
8	Insight into the electronic structure of semiconducting μ -GaSe and μ -InSe. Physical Review Materials, 2020, 4, .	2.4	4
9	Photocarrier-induced band-gap renormalization and ultrafast charge dynamics in black phosphorus. 2D Materials, 2019, 6, 031001.	4.4	28
10	The growth and band structure of a graphene-encapsulated two-dimensional nodal line semimetal: Cu ₂ Si. Electronic Structure, 2019, 1, 014001.	2.8	3
11	Reinvestigating the surface and bulk electronic properties of Cd ₃ As ₂ . Physical Review B, 2018, 97, .	3.3	17
12	Probing band parity inversion in the topological insulator GeBi ₂ Te ₄ by linear dichroism in ARPES. Journal of Electron Spectroscopy and Related Phenomena, 2018, 225, 23-27.	1.7	9
13	Dynamics of correlation-frozen antinodal quasiparticles in superconducting cuprates. Science Advances, 2018, 4, eaar1998.	10.3	23
14	Harmonium: An Ultrafast Vacuum Ultraviolet Facility. Chimia, 2017, 71, 268.	0.6	7
15	Time-resolved ARPES at LACUS: Band Structure and Ultrafast Electron Dynamics of Solids. Chimia, 2017, 71, 273.	0.6	9
16	Persistence of a surface state arc in the topologically trivial phase of MoTe ₂ . Physical Review B, 2017, 95, .	3.2	17
17	Bulk diffusive relaxation mechanisms in optically excited topological insulators. Physical Review B, 2017, 95, .	3.2	14
18	Temperature dependent non-monotonic bands shift in ZrTe ₅ . Journal of Electron Spectroscopy and Related Phenomena, 2017, 219, 9-15.	1.7	18

#	ARTICLE	IF	CITATIONS
19	Enhanced ultrafast relaxation rate in the Weyl semimetal phase of MoTe_2 measured by time- and angle-resolved photoelectron spectroscopy. Physical Review B, 2017, 96, .	3.2	12
20	Evidence for a Strong Topological Insulator Phase in ZrTe_5 . Physical Review Letters, 2016, 117, 237601.	7.8	125
21	Advancing non-equilibrium ARPES experiments by a 9.3eV coherent ultrafast photon source. Journal of Electron Spectroscopy and Related Phenomena, 2016, 207, 7-13.	1.7	22
22	SmB_6 coupling constant from time- and angle-resolved photoelectron spectroscopy. Physical Review B, 2016, 94, .	3.2	12
23	Engineering the topological surface states in the Bi_2Te_3 quantum well with width="0.16em"		

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37	Electronic instability in a Zero-Gap Semiconductor: The Charge-Density Wave in TaSe_4 Tj ET mathvariant="bold">1 . Physical Review Letters, 2013, 110, 236403.		
38	Structural and electronic properties of the Bi/Au(110) $\sqrt{1\sqrt{2}}\times\sqrt{2}$ surface. <i>Physical Review B</i> , 2013, 88, .	3.2	6
39	Anisotropic spin gaps in BiAg ₂ -Ag/Si(111). <i>Physical Review B</i> , 2012, 85, .	3.2	6
40	Giant Ambipolar Rashba Effect in the Semiconductor BiTeI. <i>Physical Review Letters</i> , 2012, 109, 096803.	7.8	157
41	Ultrafast photodoping and effective Fermi-Dirac distribution of the Dirac particles in Bi $\sqrt{2}\times\sqrt{2}$ Se Physical Review B, 2012, 86, .	3.2	95
42	Ag-coverage-dependent symmetry of the electronic states of the Pt(111)-Ag-Bi interface: The ARPES view of a structural transition. <i>Physical Review B</i> , 2011, 84, .	3.2	12
43	Tuning the giant Rashba effect on a BiAg ₂ surface alloy: Two different approaches. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2010, 181, 88-95.	1.7	14
44	Disentangling thermal and nonthermal excited states in a charge-transfer insulator by time- and frequency-resolved pump-probe spectroscopy. <i>Physical Review B</i> , 2009, 80, .	3.2	16