

# Federico Bisti

## List of Publications by Year in descending order

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42  
papers

2,585  
citations

394421

19  
h-index

265206

42  
g-index

42  
all docs

42  
docs citations

42  
times ranked

4431  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of Weyl nodes in TaAs. <i>Nature Physics</i> , 2015, 11, 724-727.	16.7	867
2	Response to NO <sub>2</sub> and other gases of resistive chemically exfoliated MoS <sub>2</sub> -based gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 602-613.	7.8	331
3	Observation of Weyl nodes and Fermi arcs in tantalum phosphide. <i>Nature Communications</i> , 2016, 7, 11006.	12.8	264
4	Evidence for a Strong Topological Insulator Phase in $\text{ZrTe}_5$ . <i>Physical Review Letters</i> , 2016, 117, 237601.	7.8	125
5	Tunable sulfur desorption in exfoliated MoS <sub>2</sub> by means of thermal annealing in ultra-high vacuum. <i>Chemical Physics Letters</i> , 2013, 588, 198-202.	2.6	124
6	Direct observation of how the heavy-fermion state develops in $\text{CeCoIn}_5$ . <i>Physical Review B</i> , 2017, 96, .	3.2	104
7	Disentangling bulk and surface Rashba effects in ferroelectric $\text{In}_2\text{Te}$ -GeTe. <i>Physical Review B</i> , 2016, 94, .	3.2	74
8	Entanglement and manipulation of the magnetic and spin-orbit order in multiferroic Rashba semiconductors. <i>Nature Communications</i> , 2016, 7, 13071.	12.8	68
9	Electronic and geometric structure of graphene/SiC(0001) decoupled by lithium intercalation. <i>Physical Review B</i> , 2015, 91, .	3.2	56
10	Use of Optical Contrast To Estimate the Degree of Reduction of Graphene Oxide. <i>Journal of Physical Chemistry C</i> , 2013, 117, 620-625.	3.1	52
11	Band Dependent Interlayer f-Electron Hybridization in $\text{CeRhIn}_5$ . <i>Physical Review Letters</i> , 2018, 120, 066403.	7.8	49
12	Large Area Extreme-UV Lithography of Graphene Oxide via Spatially Resolved Photoreduction. <i>Langmuir</i> , 2012, 28, 5489-5495.	3.5	46
13	Band structure of the EuO/Si interface: justification for silicon spintronics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 192-200.	5.5	37
14	Indirect to direct band gap crossover in two-dimensional $\text{WS}_2(1-x)\text{Se}_x$ alloys. <i>Npj 2D Materials and Applications</i> , 2021, 5, .	7.9	31
15	Distinct Evolutions of Weyl Fermion Quasiparticles and Fermi Arcs with Bulk Band Topology in Weyl Semimetals. <i>Physical Review Letters</i> , 2017, 118, 106406.	7.8	27
16	Fingerprints of the hydrogen bond in the photoemission spectra of croconic acid condensed phase: An x-ray photoelectron spectroscopy and <i>ab-initio</i> study. <i>Journal of Chemical Physics</i> , 2011, 134, 174505.	3.0	26
17	The electronic structure of gas phase croconic acid compared to the condensed phase: More insight into the hydrogen bond interaction. <i>Journal of Chemical Physics</i> , 2013, 138, 014308.	3.0	24
18	Few layered MoS <sub>2</sub> lithography with an AFM tip: description of the technique and nanospectroscopy investigations. <i>Nanoscale</i> , 2015, 7, 11453-11459.	5.6	23

#	ARTICLE	IF	CITATIONS
19	Adsorption of Water and Ammonia on Graphene: Evidence for Chemisorption from X-ray Absorption Spectra. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 3668-3672.	4.6	21
20	Local surface morphology and chemistry of SnO <sub>2</sub> thin films deposited by rheotaxial growth and thermal oxidation method for gas sensor application. <i>Thin Solid Films</i> , 2009, 517, 6161-6169.	1.8	20
21	Weakly-Correlated Nature of Ferromagnetism in Nonsymmorphic $\text{CrO}_2$ Revealed by Bulk-Sensitive Soft-X-Ray ARPES. <i>Physical Review X</i> , 2017, 7, .	8.9	19
22	Electron-polaron dichotomy of charge carriers in perovskite oxides. <i>Communications Physics</i> , 2020, 3, .	5.3	19
23	Electronic phase separation at $\text{LaAlO}_3/\text{SrTiO}_3$ interfaces tunable by oxygen deficiency. <i>Physical Review Materials</i> , 2019, 3, .	3.4	19
24	Evidence of direct electronic band gap in two-dimensional van der Waals indium selenide crystals. <i>Physical Review Materials</i> , 2019, 3, .	2.4	18
25	Electronic structure of tris(8-hydroxyquinolino)aluminium(III) revisited using the Heyd-Scuseria-Ernzerhof hybrid functional: Theory and experiments. <i>Physical Review B</i> , 2011, 84, .	3.2	17
26	$\text{NaFeO}_2$ : A Prictide Insulating Phase Induced by On-Site Coulomb Interaction. <i>Physical Review Letters</i> , 2016, 117, 097001.	7.8	16
27	Fermi states and anisotropy of Brillouin zone scattering in the decagonal $\text{AlNiCo}$ quasicrystal. <i>Nature Communications</i> , 2015, 6, 8607.	12.8	15
28	Fermi surface and effective masses in photoemission response of the $(\text{Ba}_{1-x}\text{K}_x)\text{Fe}_2\text{As}_2$ superconductor. <i>Scientific Reports</i> , 2017, 7, 8787.	3.3	15
29	Depth-resolved charge reconstruction at the $\text{LaNiO}_3/\text{CaMnO}_3$ interface. <i>Physical Review B</i> , 2018, 98, .	3.3	13
30	Evidence for highly p-type doping and type II band alignment in large scale monolayer $\text{WSe}_2/\text{Se}$ -terminated GaAs heterojunction grown by molecular beam epitaxy. <i>Nanoscale</i> , 2022, 14, 5859-5868.	5.6	12
31	The relevance of ARPES to high- $T_c$ superconductivity in cuprates. <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	10
32	Electronic structure of buried $\text{LaNiO}_3$ layers in (111)-oriented $\text{LaNiO}_3/\text{LaMnO}_3$ superlattices probed by soft x-ray ARPES. <i>APL Materials</i> , 2017, 5, .	5.1	9
33	Infrared photoluminescence of erbium-tris(8-hydroxyquinoline) in a distributed feedback cavity. <i>Journal of Luminescence</i> , 2011, 131, 682-685.	3.1	7
34	Electronic band structure of the buried $\text{SiO}_2/\text{SiC}$ interface investigated by soft x-ray ARPES. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	7
35	Clarifying the apparent flattening of the graphene band near the van Hove singularity. <i>Physical Review B</i> , 2022, 105, .	3.2	6
36	Bulk phase two dimensional chiral growth of 6, 13 Pentacenequinone on $\text{SiO}_2$ . <i>Journal of Applied Physics</i> , 2011, 109, 063508.	2.5	4

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37	Unravelling the Role of the Central Metal Ion in the Electronic Structure of Tris(8-hydroxyquinoline) Metal Chelates: Photoemission Spectroscopy and Hybrid Functional Calculations. Journal of Physical Chemistry A, 2012, 116, 11548-11552.	2.5	4
38	Electronic band gap of van der Waals $\hat{1}\pm$ -As <sub>2</sub> Te <sub>3</sub> crystals. Applied Physics Letters, 2021, 119, .	3.3	4
39	Crystal phase dependent photoluminescence of 6,13-pentacenequinone. Journal of Applied Physics, 2012, 112, 013512.	2.5	3
40	Combined microscopies study of the C-contamination induced by extreme-ultraviolet radiation: A surface-dependent secondary-electron-based model. Applied Physics Letters, 2012, 100, 201603.	3.3	3
41	Tetrakis erbium quinolate complexes, electronic structure investigation. Organic Electronics, 2014, 15, 1810-1814.	2.6	3
42	Electron-phonon coupling origin of the graphene $\hat{1}\epsilon^*$ -band kink via isotope effect. Physical Review B, 2021, 103, .	3.2	3