Giancarlo Panaccione

List of Publications by Year
in descending order

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69 papers	2,471 citations	218677 26 h-index	206112 48 g-index
69 all docs	69 docs citations	69 times ranked	3956 citing authors

#	Article	IF	Citations
1	Magnetic Proximity Effect as a Pathway to Spintronic Applications of Topological Insulators. Nano Letters, 2011, 11, 4079-4082.	9.1	194
2	Electric control of magnetism at the Fe/BaTiO3 interface. Nature Communications, 2014, 5, 3404.	12.8	179
3	Giant Rashbaâ€Type Spin Splitting in Ferroelectric GeTe(111). Advanced Materials, 2016, 28, 560-565.	21.0	155
4	Advanced photoelectric effect experiment beamline at Elettra: A surface science laboratory coupled with Synchrotron Radiation. Review of Scientific Instruments, 2009, 80, 043105.	1.3	126
5	Bulk electronic structure of the dilute magnetic semiconductor Ga1â^'xMnxAs through hard X-ray angle-resolved photoemission. Nature Materials, 2012, 11, 957-962.	27.5	117
6	Understanding the Electronic Structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>IrO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Hard-X-ray Photoelectron Spectroscopy and Density-Functional Theory. Physical Review Letters, 2014, 112, 117601.	7.8	107
7	3p fine structure of ferromagnetic Fe and Co from photoemission with linearly polarized light. Solid State Communications, 1994, 90, 557-562.	1.9	90
8	Spectroscopic Proof of the Correlation between Redoxâ€State and Chargeâ€Carrier Transport at the Interface of Resistively Switching Ti/PCMO Devices. Advanced Materials, 2014, 26, 2730-2735.	21.0	88
9	Quantifying the effective attenuation length in high-energy photoemission experiments. Physical Review B, 2005, 71, .	3.2	79
10	Coherent Peaks and Minimal Probing Depth in Photoemission Spectroscopy of Mott-Hubbard Systems. Physical Review Letters, 2006, 97, 116401.	7.8	74
11	Experimental setup for high energy photoemission using synchrotron radiation. Review of Scientific Instruments, 2005, 76, 023909.	1.3	72
12	High-energy photoemission in silver: resolving d and sp contributions in valence band spectra. Journal of Physics Condensed Matter, 2005, 17, 2671-2679.	1.8	61
13	Hard X-ray photoemission spectroscopy: Variable depth analysis of bulk, surface and interface electronic properties. Surface Science, 2012, 606, 125-129.	1.9	53
14	Very efficient spin polarization analysis (VESPA): new exchange scattering-based setup for spin-resolved ARPES at APE-NFFA beamline at Elettra. Journal of Synchrotron Radiation, 2017, 24, 750-756.	2.4	50
15	Role and Optimization of the Active Oxide Layer in TiO₂â€Based RRAM. Advanced Functional Materials, 2016, 26, 507-513.	14.9	49
16	Structural and electronic properties of Bi2Se3 topological insulator thin films grown by pulsed laser deposition. Applied Physics Letters, 2017, 110, .	3.3	45
17	Chemical insight into electroforming of resistive switching manganite heterostructures. Nanoscale, 2013, 5, 3954.	5.6	44
18	Understanding the role of tunneling barriers in organic spin valves by hard x-ray photoelectron spectroscopy. Applied Physics Letters, 2010, 96, .	3.3	41

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19	A study of core and valence levels in Î²-PbO2 by hard X-ray photoemission. Journal of Electron Spectroscopy and Related Phenomena, 2009, 169, 26-34.	1.7	40
20	Nature of electronic states at the Fermi level of metallicÎ²â˜PbO2revealed by hard x-ray photoemission spectroscopy. Physical Review B, 2007, 75, .	3.2	38
21	Observation of Distinct Bulk and Surface Chemical Environments in a Topological Insulator under Magnetic Doping. Journal of Physical Chemistry C, 2014, 118, 12333-12339.	3.1	33
22	Polarization dependent hard X-ray photoemission experiments for solids: Efficiency and limits for unraveling the orbital character of the valence band. Journal of Electron Spectroscopy and Related Phenomena, 2015, 198, 6-11.	1.7	33
23	Understanding intensities of angle-resolved photoemission with circularly polarized radiation from a Cu(111) surface state. Physical Review B, 2009, 79, .	3.2	31
24	Photon energy dependence of circular dichroism in angle-resolved photoemission spectroscopy of Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>Dirac states. Physical Review B, 2013, 88, .	3.2	30
25	case of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>n</mml:mi></mml:math> -doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SnO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2018, 97, .	3.2	30
26	Spectroscopic Indications of Tunnel Barrier Charging as the Switching Mechanism in Memristive Devices. Advanced Functional Materials, 2017, 27, 1702282.	14.9	29
27	Quantifying the critical thickness of electron hybridization in spintronics materials. Nature Communications, 2017, 8, 16051.	12.8	26
28	Strain-induced magnetization control in an oxide multiferroic heterostructure. Physical Review B, 2018, 97, .	3.2	26
29	Role of Oxygen Deposition Pressure in the Formation of Ti Defect States in TiO₂(001) Anatase Thin Films. ACS Applied Materials & Interfaces, 2017, 9, 23099-23106.	8.0	25
30	Proximity-induced ferromagnetism and chemical reactivity in few-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">VSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> heterostructures. Physical Review B, 2020, 101, .	3.2	25
31	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> (001) during reaction with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Materials, 2020, 4, .	2.4	25
32	Coherent narrowband light source for ultrafast photoelectron spectroscopy in the 17â€“31 eV photon energy range. Structural Dynamics, 2020, 7, 014303.	2.3	24
33	Temperature-dependent electronic structure of the colossal magnetoresistive manganite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.7</mml:mn> hard x-ray pho. Physical Review B, 2008, 77, .	3.2	22
34	Attenuation lengths of low-energy electrons in solids: The case of CoO. Physical Review B, 2008, 77, .	3.2	20
35	Unveiling Oxygen Vacancy Superstructures in Reduced Anatase Thin Films. Nano Letters, 2020, 20, 6444-6451.	9.1	20
36	Surface electron bands and Fermi surface of Be(0001). Physical Review B, 2005, 72, .	3.2	19

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37	Valence band hard x-ray photoelectron spectroscopy on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math> transition-metal oxides containing rare-earth elements. Physical Review B, 2019, 99, .	3.2	19
38	Pulsed laser deposition of oxide and metallic thin films by means of Nd:YAG laser source operating at its 1st harmonics: recent approaches and advances. JPhys Materials, 2021, 4, 032001.	4.2	19
39	Interface bonding of a ferromagnetic/semiconductor junction: A photoemission study ofFeâ•ZnSe(001). Physical Review B, 2006, 73, .	3.2	18
40	Surface electronic and magnetic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>La</mml:mtext></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review B, 2008, 78, .	3.2	17
41	Robustness of topological states in Bi2Se3 thin film grown by Pulsed Laser Deposition on (0 0) Tj ETQq1 1 0.784314 rgBT /Overlock 10	6.1	17
42	An integrated ultra-high vacuum apparatus for growth and in situ characterization of complex materials. Review of Scientific Instruments, 2020, 91, 085109.	1.3	17
43	Direct insight into the band structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrNbO</mml:mi><mml:mn>3</mml:mn></mml:msub> Physical Review Materials, 2020, 4, .	2.4	17
44	Angle, Spin, and Depth Resolved Photoelectron Spectroscopy on Quantum Materials. Chemical Reviews, 2021, 121, 2816-2856.	47.7	16
45	Bulk electronic properties of the bilayered manganiteLa1.2Sr1.8Mn2O7from hard-x-ray photoemission. Physical Review B, 2007, 75, .	3.2	15
46	Reversible Modification of Ferromagnetism through Electrically Controlled Morphology. Advanced Electronic Materials, 2019, 5, 1900150.	5.1	15
47	Magnetic-field-averaged photoemission experiments with variable chirality. Physical Review B, 1997, 55, 11483-11487.	3.2	14
48	High resolution HAXPES and status of the VOLPE project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 547, 56-63.	1.6	14
49	Hard X-ray PhotoEmission Spectroscopy of strongly correlated systems. Comptes Rendus Physique, 2008, 9, 524-536.	0.9	14
50	Role of spin-orbit coupling in the electronic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ir</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Materials, 2018, 2, .	2.4	14
51	Spectroscopic elucidation of ionic motion processes in tunnel oxide-based memristive devices. Faraday Discussions, 2019, 213, 215-230.	3.2	13
52	Tuning the Optical Absorption of Anatase Thin Films Across the Visible-To-Near-Infrared Spectral Region. Physical Review Applied, 2020, 13, .	3.8	12
53	Evidence of magnetism-induced topological protection in the axion insulator candidate EuSn ₂ P ₂. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	12
54	Transient quantum isolation and critical behavior in the magnetization dynamics of half-metallic manganites. Physical Review B, 2019, 100, .	3.2	10

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55	Insights into the electronic structure of OsO2 using soft and hard x-ray photoelectron spectroscopy in combination with density functional theory. Physical Review Materials, 2019, 3, .	2.4	9
56	Metal to insulator transition at the surface of V2O3 thin films: An in-situ view. Applied Surface Science, 2022, 574, 151608.	6.1	9
57	Analysis of Metal-Insulator Crossover in Strained SrRuO3 Thin Films by X-ray Photoelectron Spectroscopy. Coatings, 2020, 10, 780.	2.6	7
58	Tuning the magnetic properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>CoFeB</mml:mi></mml:mrow heterostructures across the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="n	2.4	7
59	Quantitative Ultrafast Electronâ€Temperature Dynamics in Photoâ€Excited Au Nanoparticles. Small, 2021, 17, e2100050.	10.0	7
60	Interplay between morphology and magnetoelectric coupling in Fe/PMN-PT multiferroic heterostructures studied by microscopy techniques. Physical Review Materials, 2020, 4, .	2.4	7
61	Evidence of a 2D Electron Gas in a Singleâ€Unitâ€Cell of Anatase TiO₂ (001). Advanced Science, 2022, 9, e2105114.	11.2	7
62	Design and optimization of a modular setup for measurements of three-dimensional spin polarization with ultrafast pulsed sources. Review of Scientific Instruments, 2016, 87, 035111.	1.3	5
63	Direct-ARPES and STM Investigation of FeSe Thin Film Growth by Nd:YAG Laser. Coatings, 2021, 11, 276.	2.6	5
64	Evidence of Robust Half-Metallicity in Strained Manganite Films. Journal of Physical Chemistry C, 2021, 125, 14430-14437.	3.1	5
65	Measuring spin-polarized electronic states of quantum materials: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>2</mml:mn><mml:mi>H</mml:mi><mml:mo>â^'</mml:mo><mml:m mathvariant="normal">NbSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 103, .	3.2	4
66	Predominance of z2-orbitals at the surface of both hole- and electron-doped manganites. Journal of Electron Spectroscopy and Related Phenomena, 2020, 245, 147016.	1.7	2
67	Identification of hidden orbital contributions in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>0.65 valence band. Physical Review Materials, 2021, 5, .	2.4	2
68	From Quantum Materials to Microsystems. Materials, 2022, 15, 4478.	2.9	2
69	Dimensionality Effects and Phase Transition Dynamics in Spintronics Materials as Seen by X-ray Electron Spectroscopies. Proceedings (mdpi), 2019, 26, .	0.2	0