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	Metal to insulator transition at the surface of V2O3 thin films: An in-situ view. Applied Surface Science, 2022, 574, 151608.	6.1	9
2	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
3	Evidence of a 2D Electron Gas in a Singleâ€Unitâ€Cell of Anatase TiO₂ (001). Advanced Science, 2022, 9, e2105114.	11.2	7
4	From Quantum Materials to Microsystems. Materials, 2022, 15, 4478.	2.9	2
5	Angle, Spin, and Depth Resolved Photoelectron Spectroscopy on Quantum Materials. Chemical Reviews, 2021, 121, 2816-2856.	47.7	16
6	Direct-ARPES and STM Investigation of FeSe Thin Film Growth by Nd:YAG Laser. Coatings, 2021, 11, 276.	2.6	5
7	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
8	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
9	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:msub mathvariant="normal">NbSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 103, .	3.2	4
10	Evidence of Robust Half-Metallicity in Strained Manganite Films. Journal of Physical Chemistry C, 2021, 125, 14430-14437.	3.1	5
11	Quantitative Ultrafast Electronâ€Temperature Dynamics in Photoâ€Excited Au Nanoparticles. Small, 2021, 17, e2100050.	10.0	7
12	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</mml:n valence band. Physical Review Materials, 2021, 5, .	2.4	2
13	Unveiling Oxygen Vacancy Superstructures in Reduced Anatase Thin Films. Nano Letters, 2020, 20, 6444-6451.	9.1	20
14	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
15	Analysis of Metal-Insulator Crossover in Strained SrRuO3 Thin Films by X-ray Photoelectron Spectroscopy. Coatings, 2020, 10, 780.	2.6	7
16	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
17	Coherent narrowband light source for ultrafast photoelectron spectroscopy in the 17â€“31 eV photon energy range. Structural Dynamics, 2020, 7, 014303.	2.3	24
18	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

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19	Tuning the Optical Absorption of Anatase Thin Films Across the Visible-To-Near-Infrared Spectral Region. Physical Review Applied, 2020, 13, .	3.8	12
20	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></m Physical Review Materials, 2020, 4, .	2.4	17
21	Polaron transport in localized and delocalized carriers in anatase <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></m (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
22	Interplay between morphology and magnetoelectric coupling in Fe/PMN-PT multiferroic heterostructures studied by microscopy techniques. Physical Review Materials, 2020, 4, .	2.4	7
23	Transient quantum isolation and critical behavior in the magnetization dynamics of half-metallic manganites. Physical Review B, 2019, 100, .	3.2	10
24	Dimensionality Effects and Phase Transition Dynamics in Spintronics Materials as Seen by X-ray Electron Spectroscopies. Proceedings (mdpi), 2019, 26, .	0.2	0
25	Spectroscopic elucidation of ionic motion processes in tunnel oxide-based memristive devices. Faraday Discussions, 2019, 213, 215-230.	3.2	13
26	Reversible Modification of Ferromagnetism through Electrically Controlled Morphology. Advanced Electronic Materials, 2019, 5, 1900150.	5.1	15
27	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 transition-metal oxides containing rare-earth elements. Physical Review B, 2019, 99, .	3.2	19
28	Robustness of topological states in Bi2Se3 thin film grown by Pulsed Laser Deposition on (0 0) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 382	6.1	17
29	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
30	Revisiting the origin of satellites in core-level photoemission of transparent conducting oxides: The 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></mm Physical Review B, 2018, 97, .	3.2	30
31	Strain-induced magnetization control in an oxide multiferroic heterostructure. Physical Review B, 2018, 97, .	3.2	26
32	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
33	Structural and electronic properties of Bi2Se3 topological insulator thin films grown by pulsed laser deposition. Applied Physics Letters, 2017, 110, .	3.3	45
34	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
35	Spectroscopic Indications of Tunnel Barrier Charging as the Switching Mechanism in Memristive Devices. Advanced Functional Materials, 2017, 27, 1702282.	14.9	29
36	Quantifying the critical thickness of electron hybridization in spintronics materials. Nature Communications, 2017, 8, 16051.	12.8	26

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37	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
38	Giant Rashbaâ€Type Spin Splitting in Ferroelectric GeTe(111). Advanced Materials, 2016, 28, 560-565.	21.0	155
39	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
40	Role and Optimization of the Active Oxide Layer in TiO₂â€Based RRAM. Advanced Functional Materials, 2016, 26, 507-513.	14.9	49
41	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
42	Electric control of magnetism at the Fe/BaTiO3 interface. Nature Communications, 2014, 5, 3404.	12.8	179
43	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
44	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
45	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>by Hard-X-ray Photoelectron Spectroscopy and Density-Functional Theory. Physical Review Letters, 2014, [illegible]	7.8	107
46	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
47	Chemical insight into electroforming of resistive switching manganite heterostructures. Nanoscale, 2013, 5, 3954.	5.6	44
48	Hard X-ray photoemission spectroscopy: Variable depth analysis of bulk, surface and interface electronic properties. Surface Science, 2012, 606, 125-129.	1.9	53
49	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
50	Magnetic Proximity Effect as a Pathway to Spintronic Applications of Topological Insulators. Nano Letters, 2011, 11, 4079-4082.	9.1	194
51	Understanding the role of tunneling barriers in organic spin valves by hard x-ray photoelectron spectroscopy. Applied Physics Letters, 2010, 96, .	3.3	41
52	Understanding intensities of angle-resolved photoemission with circularly polarized radiation from a Cu(111) surface state. Physical Review B, 2009, 79, .	3.2	31
53	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
54	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

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55	Hard X-ray PhotoEmission Spectroscopy of strongly correlated systems. Comptes Rendus Physique, 2008, 9, 524-536.	0.9	14
56	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></mml:mr Physical Review B, 2008, 78, .	3.2	17
57	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></mml:mr hard x-ray pho. Physical Review B, 2008, 77, .	3.2	22
58	Attenuation lengths of low-energy electrons in solids: The case of CoO. Physical Review B, 2008, 77, .	3.2	20
59	Bulk electronic properties of the bilayered manganiteLa1.2Sr1.8Mn2O7from hard-x-ray photoemission. Physical Review B, 2007, 75, .	3.2	15
60	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
61	Interface bonding of a ferromagnetic/semiconductor junction: A photoemission study ofFeâ•ZnSe(001). Physical Review B, 2006, 73, .	3.2	18
62	Coherent Peaks and Minimal Probing Depth in Photoemission Spectroscopy of Mott-Hubbard Systems. Physical Review Letters, 2006, 97, 116401.	7.8	74
63	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
64	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
65	Experimental setup for high energy photoemission using synchrotron radiation. Review of Scientific Instruments, 2005, 76, 023909.	1.3	72
66	Surface electron bands and Fermi surface of Be(0001). Physical Review B, 2005, 72, .	3.2	19
67	Quantifying the effective attenuation length in high-energy photoemission experiments. Physical Review B, 2005, 71, .	3.2	79
68	Magnetic-field-averaged photoemission experiments with variable chirality. Physical Review B, 1997, 55, 11483-11487.	3.2	14
69	3p fine structure of ferromagnetic Fe and Co from photoemission with linearly polarized light. Solid State Communications, 1994, 90, 557-562.	1.9	90