

# Fabiana Da Pieve

## List of Publications by Year in descending order

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Version: 2024-02-01

36  
papers

1,350  
citations

567247

15  
h-index

377849

34  
g-index

38  
all docs

38  
docs citations

38  
times ranked

2144  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in the ABINIT software package. Computer Physics Communications, 2016, 205, 106-131.	7.5	662
2	No detection of methane on Mars from early ExoMars Trace Gas Orbiter observations. Nature, 2019, 568, 517-520.	27.8	111
3	Martian dust storm impact on atmospheric H <sub>2</sub> O and D/H observed by ExoMars Trace Gas Orbiter. Nature, 2019, 568, 521-525.	27.8	107
4	Local boron environment in B-doped nanocrystalline diamond films. Nanoscale, 2012, 4, 5960.	5.6	46
5	Photoelectron Auger electron coincidence study for condensed matter. Journal of Electron Spectroscopy and Related Phenomena, 2004, 141, 149-159.	1.7	42
6	Casting Light on the Darkening of Colors in Historical Paintings. Physical Review Letters, 2013, 111, 208302.	7.8	38
7	Aberration-corrected microscopy and spectroscopy analysis of pristine, nitrogen containing detonation nanodiamond. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1976-1984.	1.8	38
8	Colour degradation of artworks: an ab initio approach to X-ray, electronic and optical spectroscopy analyses of vermilion photodarkening. Journal of Analytical Atomic Spectrometry, 2015, 30, 588-598.	3.0	30
9	MsSpec-1.0: A multiple scattering package for electron spectroscopies in material science. Computer Physics Communications, 2011, 182, 2567-2579.	7.5	26
10	Real-space multiple scattering method for angle-resolved photoemission and valence-band photoelectron diffraction and its application to Cu(111). Physical Review B, 2011, 83, .	3.2	25
11	Origin of Magnetism and Quasiparticles Properties in Cr-Doped $\text{TiO}_2$ . Physical Review Letters, 2013, 110, 136402.	7.8	24
12	Lineshape measured from the Cu(111) surface: Multiplet term selectivity in angle-resolved Auger-photoelectron coincidence spectroscopy. Physical Review B, 2009, 79, .	3.2	20
13	Dichroic effects in Auger photoelectron coincidence spectroscopy of solids. Physical Review B, 2005, 72, .	3.2	17
14	A time dependent DFT study of the efficiency of polymers for organic photovoltaics at the interface with PCBM. RSC Advances, 2014, 4, 52658-52667.	3.6	17
15	The polarisability of atoms and molecules: a comparison between a conceptual density functional theory approach and time-dependent density functional theory. Molecular Physics, 2015, 113, 1890-1898.	1.7	17
16	Electronic and magnetic properties of thin films probed by Auger photoelectron coincidence spectroscopy (APECS). Journal of Electron Spectroscopy and Related Phenomena, 2007, 161, 128-133.	1.7	14
17	Radiation Environment and Doses on Mars at Oxia Planum and Mawrth Vallis: Support for Exploration at Sites With High Biosignature Preservation Potential. Journal of Geophysical Research E: Planets, 2021, 126, e2020JE006488.	3.6	14
18	Evidence for the collapse of short-range magnetic order in CoO at the Néel temperature. Europhysics Letters, 2011, 94, 37008.	2.0	12

#	ARTICLE	IF	CITATIONS
19	Spin-Dependent On-Site Electron Correlations and Localization in Itinerant Ferromagnets. <i>Physical Review Letters</i> , 2012, 109, 126401.	7.8	12
20	Study of electronic correlations in the Auger cascade decay from Ne*1s <sup>13</sup> p. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2005, 38, 3619-3630.	1.5	11
21	Multiple scattering approach for two-electron resonant emission studied by angle-resolved coincidence spectroscopy. <i>Physical Review B</i> , 2008, 78, .	3.2	8
22	Interstellar condensed (icy) amino acids and precursors: theoretical absorption and circular dichroism under UV and soft X-ray irradiation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 494-503.	4.4	7
23	Efficient <i>ab initio</i> calculation of electronic stopping in disordered systems via geometry pre-sampling: Application to liquid water. <i>Journal of Chemical Physics</i> , 2020, 153, 034113.	3.0	7
24	Angular correlation between photoelectrons and Auger electrons within scattering theory. <i>Physical Review A</i> , 2007, 75, .	2.5	6
25	First-Principles Calculations of Angle-Resolved and Spin-Resolved Photoemission Spectra of Cr(110) Surfaces at the 2p <sup>3d</sup> Cr Resonance. <i>Physical Review Letters</i> , 2013, 110, 127401.	7.8	6
26	Molecular Bond Engineering and Feature Learning for the Design of Hybrid Organic-Inorganic Perovskite Solar Cells with Strong Noncovalent Halogen-Cation Interactions. <i>Journal of Physical Chemistry C</i> , 2021, 125, 25316-25326.	3.1	6
27	Linear magnetic and alignment dichroism in Auger photoelectron coincidence spectroscopy. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2007, 40, 329-342.	1.5	5
28	Electronic structure calculations of mercury mobilization from mineral phases and photocatalytic removal from water and the atmosphere. <i>Science of the Total Environment</i> , 2014, 493, 596-605.	8.0	5
29	Real-space Green's function approach to angle-resolved resonant photoemission: Spin polarization and circular dichroism in itinerant magnets. <i>Physical Review B</i> , 2013, 88, .	3.2	4
30	Integration of electronic effects into molecular dynamics simulations of collision cascades in silicon from first-principles calculations. <i>Physical Review B</i> , 2021, 104, .	3.2	4
31	Inelastic scattering of electrons in water from first principles: cross sections and inelastic mean free path for use in Monte Carlo track-structure simulations of biological damage. <i>Royal Society Open Science</i> , 2022, 9, .	2.4	4
32	Fingerprints of entangled spin and orbital physics in itinerant ferromagnets via angle-resolved resonant photoemission. <i>Physical Review B</i> , 2016, 93, .	3.2	2
33	Bragg's additivity rule and core and bond model studied by real-time TDDFT electronic stopping simulations: The case of water vapor. <i>Radiation Physics and Chemistry</i> , 2022, 193, 109961.	2.8	2
34	Physicochemical Properties and Complexity of Amino Acids beyond Our Biosphere: Analysis of the Isoleucine Group from Meteorites. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1955-1965.	2.7	1
35	Gap state imaging and spin-orbit effects in resonant photoelectron diffraction. <i>Surface and Interface Analysis</i> , 2016, 48, 1169-1174.	1.8	0
36	Modeling Radiation Damage in Materials Relevant for Exploration and Settlement on the Moon. , 0, , .		0