

# Maddalena Pedio

## List of Publications by Year in descending order

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104  
papers

2,001  
citations

279487

23  
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104  
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104  
docs citations

104  
times ranked

2716  
citing authors

#	ARTICLE	IF	CITATIONS
1	Size-dependent oxidation in iron/iron oxide core-shell nanoparticles. <i>Physical Review B</i> , 2003, 68, .	1.1	175
2	The BEAR Beamline at Elettra. <i>AIP Conference Proceedings</i> , 2004, , .	0.3	139
3	Electronic structure of $\text{Ca}_{1-x}\text{Sr}_x\text{VO}_3$ : A tale of two energy scales. <i>Europhysics Letters</i> , 2001, 55, 246-252.	0.7	103
4	Threefold-coordinated hollow adsorption site for $\text{Ni}(111)\text{-c}(4\text{\AA}-2)\text{-CO}$ : A surface-extended x-ray-absorption fine-structure study. <i>Physical Review B</i> , 1993, 47, 9710-9714.	1.1	90
5	X-ray-diffraction characterization of $\text{Pt}(111)$ surface nanopatterning induced by $\text{C}_{60}$ adsorption. <i>Nature Materials</i> , 2005, 4, 688-692.	13.3	88
6	$\text{C}_{60}$ /metal surfaces: adsorption and decomposition. <i>Surface Science</i> , 1999, 437, 249-260.	0.8	70
7	Spin and orbital configuration of metal phthalocyanine chains assembled on the $\text{Au}(110)$ surface. <i>Physical Review B</i> , 2013, 87, .	1.1	67
8	Study of $\text{C}_{60}/\text{Au}(110)$ reconstruction from In-Plane X-Ray Diffraction Data. <i>Physical Review Letters</i> , 2000, 85, 1040-1043.	2.9	59
9	Photoemission study of $\text{C}_{60}/\text{Si}(111)$ adsorption as a function of coverage and annealing temperature. <i>Physical Review B</i> , 1999, 60, 2068-2073.	1.1	57
10	Oxygen on $\text{Ni}(111)$ : A multiple-scattering analysis of the near-edge x-ray-absorption fine structure. <i>Physical Review B</i> , 1990, 41, 7462-7466.	1.1	48
11	Theoretical analysis of x-ray-absorption near-edge fine structure at the O and metal K edges of $\text{LaFeO}_3$ and $\text{LaCoO}_3$ . <i>Physical Review B</i> , 1997, 56, 2228-2233.	1.1	48
12	Covalency in oxygen chemisorption as probed by x-ray absorption. <i>Physical Review B</i> , 1989, 40, 7924-7927.	1.1	42
13	Calcium fluoride on $\text{Si}(001)$ : Adsorption mechanisms and epitaxial growth modes. <i>Physical Review B</i> , 2005, 72, .	1.1	39
14	Looking underneath fullerenes on $\text{Au}(110)$ : Formation of dimples in the substrate. <i>Physical Review B</i> , 2008, 77, .	1.1	38
15	Missing-row reconstruction in the system $(2\text{\AA}-1)\text{O}/\text{Ag}(110)$ : A surface extended x-ray-absorption fine-structure study. <i>Physical Review B</i> , 1991, 44, 13655-13659.	1.1	37
16	Local environment of metal ions in phthalocyanines: K-edge X-ray absorption spectra. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23686-23694.	1.3	35
17	High-resolution photoemission study of the interaction of hydrogen with $\text{GaAs}(110)$ surfaces. <i>Physical Review B</i> , 1990, 41, 1100-1110.	1.1	34
18	Mg K-edge XANES of sepiolite and palygorskite. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2005, 238, 55-60.	0.6	30

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19	Looking Inside the Perchlorinated Trityl Radical/Metal Spinterface through Spectroscopy. Journal of Physical Chemistry Letters, 2015, 6, 2101-2106.	2.1	29
20	Growth of pentacene on Ag(111) surface: A NEXAFS study. Applied Surface Science, 2007, 254, 103-107.	3.1	28
21	Bismuth and antimony on GaAs(110): Dielectric and electronic properties. Physical Review B, 1992, 45, 14057-14064.	1.1	26
22	Structural Phases of Ordered FePc-Nanochains Self-Assembled on Au(110). Langmuir, 2012, 28, 13232-13240.	1.6	26
23	self-assembly ordering by C <sub>30</sub> . Physical Review B, 2012, 86, .	1.1	25
24	Multiple-scattering analysis of NEXAFS spectra of molecular oxygen anions in differently grown cesium oxides. Physical Review B, 1994, 50, 6596-6602.	1.1	23
25	Strong correlation effects in the electronic structure of Sr <sub>2</sub> FeMoO <sub>6</sub> . Physical Review B, 2003, 67, .	1.1	23
26	Chiral Conformation at a Molecular Level of a Propeller-Like Open-Shell Molecule on Au(111). Journal of Physical Chemistry Letters, 2012, 3, 1559-1564.	2.1	22
27	Inverse photoemission studies of C <sub>60</sub> on Au(110). Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 405-409.	0.8	21
28	Cesium-induced electronic states and space-charge-layer formation in Cs/InSb(110) interface. Physical Review B, 1996, 53, 13605-13612.	1.1	21
29	Synthesis of SiC on Si(111) at moderate temperatures by supersonic C <sub>60</sub> beams. Applied Surface Science, 2001, 184, 350-355.	3.1	21
30	Hydrogen chemisorption on III-V semiconductor surfaces. Surface Science Reports, 2003, 51, 1-149.	3.8	21
31	Coordination of boron and phosphorous in borophosphosilicate glasses. Applied Physics Letters, 2003, 83, 4312-4314.	1.5	19
32	Surface Octahedral Distortions and Atomic Design of Perovskite Interfaces. Advanced Materials, 2013, 25, 4043-4048.	11.1	19
33	Conclusively Addressing the CoPc Electronic Structure: A Joint Gas-Phase and Solid-State Photoemission and Absorption Spectroscopy Study. Journal of Physical Chemistry C, 2017, 121, 26372-26378.	1.5	19
34	A SEXAFS study of the p(2 × 2)-O/Ni(111) system. Surface Science, 1992, 262, 8-14.	0.8	18
35	Effects of Barrier Height Inhomogeneity on Core Level Photoemission from Clean and Metal-Covered Semiconductor Surfaces. Europhysics Letters, 1995, 32, 601-606.	0.7	18
36	Influence of substrate on molecular order for self-assembled adlayers of CoPc and FePc. Journal of Raman Spectroscopy, 2018, 49, 1015-1022.	1.2	16

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37	High resolution photoemission study of C60 on Si(111) as a precursor of SiC growth. Surface Science, 2000, 454-456, 832-836.	0.8	15
38	Mechanism of the short range ordering in a 2D binary alloy. Surface Science, 2002, 501, L171-L176.	0.8	15
39	Photon reflectivity distributions from the LHC beam screen and their implications on the arc beam vacuum system. Applied Surface Science, 2004, 235, 221-226.	3.1	14
40	Cobalt on calcium fluoride: Initial stages of growth and magnetic properties. Surface Science, 2006, 600, 4170-4175.	0.8	13
41	Modeling ultrafast out-of-equilibrium carrier dynamics and relaxation processes upon irradiation of hexagonal silicon carbide with femtosecond laser pulses. Physical Review B, 2020, 101, .	1.1	13
42	Line broadening in semiconductor core level photoemission induced by barrier height inhomogeneity. Surface Science, 1995, 331-333, 534-539.	0.8	12
43	Oxygen interaction with Si(100) and. Surface Science, 1997, 377-379, 650-654.	0.8	12
44	NEXAFS experiment and multiple scattering calculations on KO <sub>2</sub> : Effects on the $\tilde{\epsilon}$ resonance in the solid phase. Physical Review B, 2002, 66, .	1.1	12
45	Multiple Scattering Analysis of O KEdge NEXAFS in Iron Oxides. Physica Scripta, 2005, , 424.	1.2	12
46	Adsorption Sites and Surface Reconstruction of the c(6 $\sqrt{3}$ × 2)O/Cu(110) System: A SEXAFS Study. Europhysics Letters, 1990, 12, 247-252.	0.7	11
47	Antimony-induced electronic states in the Sb/InP(110) interface studied by high-resolution electron-energy-loss spectroscopy. Physical Review B, 1991, 43, 14317-14320.	1.1	11
48	Surface study of metal-containing ionic liquids by means of photoemission and absorption spectroscopies. Surface Science, 2016, 648, 360-365.	0.8	11
49	Empty states investigation of epitaxial Sn/Si(100) systems. Surface Science, 1994, 303, 153-160.	0.8	10
50	Electronic structure and morphology of SiC films grown on Si(111) using C60 as a precursor. Surface Science, 2000, 454-456, 827-831.	0.8	10
51	Interaction of atomic hydrogen with the $\sqrt{3}\times\sqrt{3}$ -SiC(100) surface and subsurface. Journal of Chemical Physics, 2007, 127, 164716.	1.2	10
52	Ni and Cu octaethyl porphyrins ordered monolayer on Au(111) surfaces. Journal of Non-Crystalline Solids, 2010, 356, 1951-1954.	1.5	10
53	Surface Hubbard U of alkali fullerides. Journal of Electron Spectroscopy and Related Phenomena, 2011, 183, 94-100.	0.8	10
54	Molecular orientation of C60 on Pt(111) determined by X-ray photoelectron diffraction. Applied Surface Science, 2003, 212-213, 57-61.	3.1	9

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55	Annealing Temperature Dependence of C60 on Silicon Surfaces Bond Evolution and Fragmentation as Detected by NEXAFS. <i>Physica Scripta</i> , 2005, , 695.	1.2	9
56	C KEdge NEXAFS of 6HSiC and 3CSiC Systems. <i>Physica Scripta</i> , 2005, , 308.	1.2	9
57	IRIDE: Interdisciplinary research infrastructure based on dual electron linacs and lasers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 740, 138-146.	0.7	9
58	Interpretation of Oxygen Near-Edge Absorption Spectrum of CsO <sub>2</sub> by Means of Multiple-Scattering Analysis. <i>Europhysics Letters</i> , 1993, 21, 239-244.	0.7	8
59	Evaluation of alkali-induced band-bending inhomogeneity and charge transfer trend from core-level analysis. <i>Physical Review B</i> , 2000, 62, R10657-R10660.	1.1	8
60	Efficiency of gratings in the conical diffraction mounting for an EUV time-compensated monochromator. , 2004, , .		8
61	Empty states investigation of Ni <sub>2</sub> Si by photon absorption spectroscopy. <i>Physica Scripta</i> , 1987, 36, 153-155.	1.2	7
62	Vibrational structure of Sb/III-V compound semiconductors interfaces. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1990, 54-55, 1105-1114.	0.8	7
63	Electronic properties of ordered interfaces. <i>Surface Science</i> , 1997, 374, 251-258.	0.8	7
64	Unoccupied electronic states in NiS <sub>2</sub> across the metal-insulator transition. <i>Physical Review B</i> , 1998, 57, 6984-6988.	1.1	7
65	In-Plane X-Ray Diffraction Study of the C60/Au(110) p(6 $\sqrt{2}$ $\times$ 6 $\sqrt{2}$ ) Reconstructed Surface by Direct Methods. <i>Physica Status Solidi (B): Basic Research</i> , 1999, 215, 773-777.	0.7	7
66	Antimony induced states in Sb/InP(110) and Sb/GaAs(110) interfaces studied by high resolution electron energy loss spectroscopy. <i>Surface Science</i> , 1991, 251-252, 209-212.	0.8	6
67	Cation surface excitons in Sb/III-V interfaces. <i>Physical Review B</i> , 1991, 43, 9070-9075.	1.1	6
68	SiC(1 0 0) ordered film growth by C60 decomposition on Si(1 0 0) surfaces. <i>Applied Surface Science</i> , 2001, 184, 50-54.	3.1	6
69	Real examples of surface reconstructions determined by direct methods. <i>Journal of Physics Condensed Matter</i> , 2002, 14, 4075-4086.	0.7	6
70	Solid state effects on the electronic structure of H <sub>2</sub> OEP. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 27104-27111.	1.3	6
71	Self-texturizing electronic properties of a 2-dimensional GdAu <sub>2</sub> layer on Au(111): the role of out-of-plane atomic displacement. <i>Nanoscale</i> , 2017, 9, 17342-17348.	2.8	6
72	Bi-induced electronic states at the interface with n- and p-type GaAs(110). <i>Applied Surface Science</i> , 1992, 56-58, 242-246.	3.1	5

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73	Photoelectron diffraction study on Ge(100) 3d core level. Surface Science, 2001, 482-485, 1287-1291.	0.8	5
74	H-Induced Si-Rich 3C-Si(100) 3x2 Surface Metallization. Materials Science Forum, 2004, 457-460, 399-402.	0.3	5
75	A study of the growth of Lu <sub>2</sub> O <sub>3</sub> on Si(001) by synchrotron radiation photoemission and transmission electron microscopy. Journal of Applied Physics, 2007, 101, 074104.	1.1	5
76	Nexafs Study of Nitric Oxide Layers Adsorbed from a Nitrite Solution onto a Pt(111) Surface. Journal of Physical Chemistry C, 2008, 112, 10161-10166.	1.5	5
77	X-ray diffraction studies of epitaxial Sn induced reconstructions on Si(100) surfaces. Applied Surface Science, 1998, 123-124, 636-640.	3.1	4
78	Comparative evaluation of corneal epithelial permeability after the use of diclofenac 0.1% and flurbiprofen 0.03% after phacoemulsification. Journal of Cataract and Refractive Surgery, 2001, 27, 1392-1396.	0.7	4
79	SiC(111) growth by C <sub>60</sub> decomposition on Si(111) studied by electron spectroscopies. Surface Science, 2001, 482-485, 829-835.	0.8	4
80	Electronic properties of carbon nanotubes as detected by photoemission and inverse photoemission. Nanotechnology, 2021, 32, 105703.	1.3	4
81	Oxygen K-edge NEXAFS studies of thin Cs oxide films. Surface Science, 1992, 269-270, 691-694.	0.8	3
82	TESTING THE CHARGED ADATOM MODEL ONTO THE $\text{Sn}_{1-x}\text{Si}_x$ (111) ( $\sqrt{3}\times\sqrt{3}$ ) R <sub>30°</sub> Surface. Surface Science and Letters, 2002, 09, 675-679.	0.5	3
83	Metal-to-insulator transition in thin-film polymeric AC <sub>60</sub> . New Journal of Physics, 2009, 11, 023035.	1.2	3
84	On the Contrasting Effect Exerted by a Thin Layer of CdS against the Passivation of Silver Electrodes Coated with Thiols. Surfaces, 2018, 1, 29-42.	1.0	3
85	Can Atomic Buckling Control a Chemical Reaction? The Case of Dehydrogenation of Phthalocyanine Molecules on GdAu <sub>2</sub> /Au(111). Journal of Physical Chemistry C, 2019, 123, 6496-6501.	1.5	3
86	Effects of barrier height inhomogeneity on semiconductors core level photoemission line shape. Journal of Electron Spectroscopy and Related Phenomena, 1995, 76, 477-480.	0.8	2
87	Ag Growth on 3C-SiC(001) c(2x2) C-Terminated and c(4x2) Si-Terminated Surfaces. Materials Science Forum, 2003, 433-436, 587-590.	0.3	2
88	The beam position monitor of the BEAR beamline. Review of Scientific Instruments, 2005, 76, 063111.	0.6	2
89	Graphene islands mixed to carbon nanostructures grown on TiN film: A multi-techniques characterization approach. Physica Status Solidi (B): Basic Research, 2012, 249, 2519-2521.	0.7	2
90	Organic Molecules on Noble Metal Surfaces: The Role of the Interface. , 0, , .		2

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91	Time resolved resonant photoemission study of energy level alignment at donor/acceptor interfaces. Chemical Physics Letters, 2017, 683, 135-139.	1.2	2
92	The effect of long-range order on intermolecular interactions in organic semiconductors: zinc octaethyl porphyrin molecular thin film model systems. Physical Chemistry Chemical Physics, 2019, 21, 22966-22975.	1.3	2
93	NEXAFS multiple scattering calculations of KO <sub>2</sub> . Journal of Synchrotron Radiation, 2001, 8, 719-721.	1.0	1
94	Characterization of SiC Grown on Si(111) by Supersonic C <sub>60</sub> Beams. Solid State Phenomena, 2002, 82-84, 523-528.	0.3	1
95	SiC Synthesis by Fullerene Free Jets on Si(111) at Low Temperatures. Materials Science Forum, 2003, 433-436, 237-240.	0.3	1
96	Soft X-ray excitation of luminescence in wide bandgap crystals doped with rare-earth ions. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 1092-1095.	0.8	1
97	Molecular states of polyacenes grown on noble metal surfaces. Journal of Physics: Conference Series, 2008, 100, 052072.	0.3	1
98	Inverse photoemission studies on InSe conduction band. Applied Surface Science, 1992, 56-58, 56-59.	3.1	0
99	Inverse photoemission and Kelvin probe studies of the Au/GaP(110) interface. Vacuum, 1995, 46, 509-512.	1.6	0
100	Structural and photoemission studies of SrF <sub>2</sub> adsorption on Si(001). European Physical Journal Special Topics, 2006, 132, 35-39.	0.2	0
101	Hydrogen Nanochemistry Achieving Clean and Pre-Oxidized Silicon Carbide Surface Metallization. Materials Science Forum, 2006, 527-529, 667-672.	0.3	0
102	The Molecular Cat. ChemPhysChem, 2009, 10, 493-494.	1.0	0
103	NANOSTRUCTURES INDUCED BY THE ADSORPTION OF FULLERENES: STRUCTURAL AND ELECTRONIC PROPERTIES. , 2009, , .		0
104	Introduction to Electronic Properties and Dynamics of Organic Complexes as Self-Assembled Monolayers. , 2017, , .		0