

Carlo Mariani

List of Publications by Year in descending order

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papers

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citations

109137

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221
docs citations

221
times ranked

4927
citing authors

#	ARTICLE	IF	CITATIONS
1	An Advanced Lithium-Ion Battery Based on a Graphene Anode and a Lithium Iron Phosphate Cathode. Nano Letters, 2014, 14, 4901-4906.	4.5	402
2	Significant Excess of Electronlike Events in the MiniBooNE Short-Baseline Neutrino Experiment. Physical Review Letters, 2018, 121, 221801.	2.9	335
3	Improved measurements of the neutrino mixing angle $\hat{\theta}_{13}$ with the Double Chooz detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	181
4	Localized and Dispersive Electronic States at Ordered FePc and CoPc Chains on Au(110). Journal of Physical Chemistry C, 2010, 114, 21638-21644.	1.5	91
5	Metal-phthalocyanine chains on the Au(110) surface: Interaction states versus $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{d} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -metal states occupancy. Physical Review B, 2010, 81, .	1.1	90
6	Neutrino physics with the PTOLEMY project: active neutrino properties and the light sterile case. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047.	1.9	85
7	Screening effects in photoemission from weakly bound adsorbates: CO on Ag(110). Surface Science, 1984, 138, 305-318.	0.8	84
8	Core-shell photoabsorption and photoelectron spectra of gas-phase pentacene: Experiment and theory. Journal of Chemical Physics, 2005, 122, 124305.	1.2	83
9	Physics potentials with the second Hyper-Kamiokande detector in Korea. Progress of Theoretical and Experimental Physics, 2018, 2018, .	1.8	77
10	Graphene-Induced Substrate Decoupling and Ideal Doping of a Self-Assembled Iron-phthalocyanine Single Layer. Journal of Physical Chemistry C, 2013, 117, 3019-3027.	1.5	71
11	The Pandora multi-algorithm approach to automated pattern recognition of cosmic-ray muon and neutrino events in the MicroBooNE detector. European Physical Journal C, 2018, 78, 82.	1.4	71
12	Barrier Formation at Organic Interfaces in a Cu(100)-benzenethiolate-pentacene Heterostructure. Physical Review Letters, 2008, 100, 027601.	2.9	66
13	On the use of the Auger technique for quantitative analysis of overlayers. Thin Solid Films, 1983, 109, 159-167.	0.8	65
14	Electronic states of CuPc chains on the Au(110) surface. Journal of Chemical Physics, 2009, 131, 174710.	1.2	58
15	Surface-Assisted Reactions toward Formation of Graphene Nanoribbons on Au(110) Surface. Journal of Physical Chemistry C, 2015, 119, 2427-2437.	1.5	57
16	First Measurement of Inclusive Muon Neutrino Charged Current Differential Cross Sections on Argon at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{E} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle^{\frac{1}{2}} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mo} \rangle \hat{\alpha}^{\frac{1}{4}} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 0.8 \langle \text{mml:mn} \rangle$ with the MicroBooNE Detector. Physical Review Letters, 2019, 123, 131801.	2.9	53
17	Temperature-Dependent Photoemission Line Shapes of Physisorbed Xenon. Physical Review Letters, 1982, 48, 1288-1291.	2.9	52
18	Orientation of water adsorbed on Cu(110). Surface Science, 1983, 126, 279-285.	0.8	52

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19	Photoemission studies of the commensurate-incommensurate transition in the system Xe-Cu(110). <i>Physical Review B</i> , 1982, 25, 7798-7806.	1.1	51
20	Kinetics of carbidic carbon formation from CO in the 10 ⁻⁶ -torr range on Ni(110). <i>Journal of Catalysis</i> , 1983, 83, 19-24.	3.1	51
21	Pentacene self-aggregation at the Au(110)-(1 $\sqrt{2}$ –2) surface: growth morphology and interface electronic states. <i>Thin Solid Films</i> , 2003, 428, 227-231.	0.8	49
22	Growth morphology and electronic structure of 2D ordered pentacene on the Au(110)-(1 $\sqrt{2}$ –2) surface. <i>Surface Science</i> , 2003, 532-535, 249-254.	0.8	46
23	Measurement of $\hat{\Gamma}$, 13 in Double Chooz using neutron captures on hydrogen with novel background rejection techniques. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	46
24	Density of states of a two-dimensional electron gas at semiconductor surfaces. <i>Physical Review B</i> , 2001, 63, .	1.1	45
25	Dynamics-Induced Surface Metallization of Si(100). <i>Physical Review Letters</i> , 1996, 77, 3869-3872.	2.9	44
26	Energetics and Hierarchical Interactions of Metal-Phthalocyanines Adsorbed on Graphene/Ir(111). <i>Langmuir</i> , 2013, 29, 10440-10447.	1.6	43
27	Metal-phthalocyanine ordered layers on Au(110): Metal-dependent adsorption energy. <i>Journal of Chemical Physics</i> , 2014, 140, 244704.	1.2	43
28	CuPc molecules adsorbed on Au(110)-(1 $\sqrt{2}$ –2): growth morphology and evolution of valence band states. <i>Surface Science</i> , 2003, 531, 123-130.	0.8	42
29	Topology and doping effects in three-dimensional nanoporous graphene. <i>Carbon</i> , 2018, 131, 258-265.	5.4	41
30	Investigation of the bulk band structure of IV-VI compound semiconductors: PbSe and PbTe. <i>Physical Review B</i> , 1989, 40, 5549-5556.	1.1	40
31	Adsorption of pentacene on filled d-band metal surfaces: Long-range ordering and adsorption energy. <i>Journal of Chemical Physics</i> , 2006, 124, 154702.	1.2	38
32	Filling empty states in a CuPc single layer on the Au(110) surface via electron injection. <i>Physical Review B</i> , 2009, 79, .	1.1	38
33	Molecule-Driven Substrate Reconstruction in the Two-Dimensional Self-Organization of Fe-Phthalocyanines on Au(110). <i>Journal of Physical Chemistry C</i> , 2012, 116, 6251-6258.	1.5	38
34	Cu(100) surface: High-resolution experimental and theoretical band mapping. <i>Physical Review B</i> , 2003, 68, .	1.1	37
35	Thermoreflectance test of W, Mo, and paramagnetic Cr band structures. <i>Physical Review B</i> , 1983, 27, 4684-4693.	1.1	35
36	The evolution of benzenethiol self-assembled monolayer on the Cu(100) surface. <i>Surface Science</i> , 2005, 598, 218-225.	0.8	34

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37	First Measurement of Differential Charged Current Quasielasticlike $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle^{\hat{1}/2} \langle \text{mml:mi} \rangle^{\hat{1}/4} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ -Argon Scattering Cross Sections with the MicroBooNE Detector. <i>Physical Review Letters</i> , 2020, 125, 201803.	2.9	34
38	Electronic States of a Single Layer of Pentacene: Standing-Up and Flat-Lying Configurations. <i>Journal of Physical Chemistry A</i> , 2007, 111, 12454-12457.	1.1	33
39	Interaction strength and molecular orientation of a single layer of pentacene in organic-metal interface and organic-organic heterostructure. <i>Physical Review B</i> , 2008, 77, .	1.1	33
40	Metal-phthalocyanine array on the moiré pattern of a graphene sheet. <i>Journal of Nanoparticle Research</i> , 2011, 13, 6013-6020.	0.8	33
41	Two-Dimensional Hallmark of Highly Interconnected Three-Dimensional Nanoporous Graphene. <i>ACS Omega</i> , 2017, 2, 3691-3697.	1.6	32
42	Collective and vibrational excitations on then-doped GaAs(110) surface. <i>Physical Review B</i> , 1989, 39, 5887-5891.	1.1	31
43	Krypton and argon on Cu(110): Geometric and electronic structure. <i>Surface Science</i> , 1982, 117, 376-386.	0.8	30
44	Molecular gap and energy level diagram for pentacene adsorbed on filled d-band metal surfaces. <i>Applied Physics Letters</i> , 2006, 89, 152119.	1.5	30
45	Inelastic electron scattering investigation of the Sb/GaAs(110) system. <i>Physical Review B</i> , 1990, 41, 11978-11991.	1.1	29
46	Pentacene Grown on Self-Assembled Monolayer: Adsorption Energy, Interface Dipole, and Electronic Properties. <i>Journal of Physical Chemistry C</i> , 2007, 111, 286-293.	1.5	29
47	Electronic band states of long-range ordered aromatic thione molecules assembled on Cu(100). <i>Physical Review B</i> , 2002, 66, .	1.1	28
48	Azimuthal dependence of reflection high resolution electron energy loss of Si(111)(2 \times 1). <i>Solid State Communications</i> , 1986, 60, 337-341.	0.9	27
49	Evolution of one-dimensional Cs chains on InAs(110) as determined by scanning-tunneling microscopy and core-level spectroscopy. <i>Surface Science</i> , 2000, 447, 133-142.	0.8	27
50	Au(110) induced reconstruction by π conjugated molecules adsorption investigated by photoemission spectroscopy and low energy electron diffraction. <i>Surface Science</i> , 2004, 566-568, 79-83.	0.8	27
51	Control of Electron Injection Barrier by Electron Doping of Metal Phthalocyanines. <i>Journal of Physical Chemistry C</i> , 2010, 114, 12258-12264.	1.5	27
52	Coexistence of Negatively and Positively Buckled Isomers on n-Doped Si(111)(2 \times 1). <i>Physical Review Letters</i> , 2011, 106, 067601.	2.9	27
53	On the origin of satellite peaks in valence photoemission from CO ON Cu(110). <i>Chemical Physics Letters</i> , 1982, 93, 308-313.	1.2	26
54	Bismuth and antimony on GaAs(110): Dielectric and electronic properties. <i>Physical Review B</i> , 1992, 45, 14057-14064.	1.1	26

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55	Symmetry lowering of pentacene molecular states interacting with a Cu surface. <i>Physical Review B</i> , 2007, 76, .	1.1	26
56	Structural Phases of Ordered FePc-Nanochains Self-Assembled on Au(110). <i>Langmuir</i> , 2012, 28, 13232-13240.	1.6	26
57	Azimuthal dependence of the electronic excitations in GaAs(110). <i>Surface Science</i> , 1988, 207, 133-141.	0.8	25
58	Quantum size effects and temperature dependence of low-energy electronic excitations in thin Bi crystals. <i>Physical Review B</i> , 1993, 48, 4767-4776.	1.1	25
59	Characterization of benzenethiolate self-assembled monolayer on Cu(100) by XPS and NEXAFS. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2009, 172, 64-68.	0.8	25
60	Graphene-Induced Magnetic Anisotropy of a Two-Dimensional Iron Phthalocyanine Network. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 1690-1695.	2.1	25
61	First Measurement of Monoenergetic Muon Neutrino Charged Current Interactions. <i>Physical Review Letters</i> , 2018, 120, 141802.	2.9	25
62	Electrochemical characteristics of iron oxide nanowires during lithium-promoted conversion reaction. <i>Journal of Power Sources</i> , 2014, 256, 133-136.	4.0	24
63	Comparison of the calorimetric and kinematic methods of neutrino energy reconstruction in disappearance experiments. <i>Physical Review D</i> , 2015, 92, .	1.6	24
64	Channelling and induced defects at ion-bombarded aligned multiwall carbon nanotubes. <i>Carbon</i> , 2018, 139, 768-775.	5.4	24
65	A design for an electromagnetic filter for precision energy measurements at the tritium endpoint. <i>Progress in Particle and Nuclear Physics</i> , 2019, 106, 120-131.	5.6	24
66	Epitaxial continued-layer structure of Sb on GaAs(110) as observed by grazing-incidence x-ray diffraction. <i>Physical Review B</i> , 1994, 50, 14336-14339.	1.1	23
67	Effect of Humidity on the Supramolecular Structure of Cotton, Studied by Quantitative Spin Probing. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11572-11579.	1.2	22
68	Interaction of iron phthalocyanine with the graphene/Ni(111) system. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 308-312.	1.5	22
69	Rashba Spin-Orbit Coupling in Image Potential States. <i>Physical Review Letters</i> , 2015, 115, 046801.	2.9	22
70	Missing energy and the measurement of the $C\bar{P}$ -violating phase in neutrino oscillations. <i>Physical Review D</i> , 2015, 92, .	1.6	22
71	Search for a Higgs Portal Scalar Decaying to Electron-Positron Pairs in the MicroBooNE Detector. <i>Physical Review Letters</i> , 2021, 127, 151803.	2.9	22
72	Search for Neutrino-Induced Neutral-Current $\bar{\nu}_e$ Radiative Decay in MicroBooNE and a First Test of the MiniBooNE Low Energy Excess under a Single-Photon Hypothesis. <i>Physical Review Letters</i> , 2022, 128, 111801.	2.9	22

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73	Cesium-induced electronic states and space-charge-layer formation in Cs/InSb(110) interface. <i>Physical Review B</i> , 1996, 53, 13605-13612.	1.1	21
74	HREELS study of the adsorption mechanism and orientational order of 2-mercaptobenzoxazole on Cu(100). <i>Surface Science</i> , 2003, 539, 63-71.	0.8	21
75	Chemical vapor deposition growth of boron-carbon-nitrogen layers from methylamine borane thermolysis products. <i>Nanotechnology</i> , 2018, 29, 025603.	1.3	21
76	$\sqrt{3}\times\sqrt{3}$ -Sn pseudomorphic growth on InSb (111) and (100) surfaces: a high-resolution photoemission study. <i>Surface Science</i> , 2000, 463, 174-182.	0.8	20
77	Substrate reconstruction and electronic surface states: Ag(001). <i>Surface Science</i> , 2001, 486, 65-72.	0.8	20
78	Formation of Hybrid Electronic States in FePc Chains Mediated by the Au(110) Surface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 8657-8663.	1.5	20
79	Numerical implementation of lepton-nucleus interactions and its effect on neutrino oscillation analysis. <i>Physical Review D</i> , 2014, 90, .	1.6	20
80	HREELS investigation of hydrogenated GaAs(110) surfaces. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 6613-6622.	0.7	18
81	Electronic structure of long-range ordered pentacene structures on the stepped Cu(110) surface. <i>Surface Science</i> , 2004, 566-568, 613-617.	0.8	18
82	L _{2,3} absorption edges in Ni ₂ Si. <i>Physical Review B</i> , 1986, 34, 2875-2877.	1.1	17
83	Surface phonons and plasmons of GaAs(110) investigated by high resolution electron energy loss spectroscopy. <i>Surface Science</i> , 1989, 211-212, 557-564.	0.8	17
84	In-vacuum thermolysis of ethane 1,2-diamineborane for the synthesis of ternary borocarbonitrides. <i>Nanotechnology</i> , 2016, 27, 435601.	1.3	17
85	Oxygen adsorption on Ag(110): observation of a precursor state. <i>Vacuum</i> , 1983, 33, 867.	1.6	16
86	Azimuthal dependence of the vibrational excitation in Si(111)-(2 \times 1). <i>Physical Review B</i> , 1989, 39, 10380-10383.	1.1	16
87	Surface modification of InAs(110) surface by low energy ion sputtering. <i>Surface Science</i> , 1997, 391, 73-80.	0.8	16
88	Alkali metal/GaAs(110) interfaces: correlation effects and sub-gap electron energy loss spectra. <i>Surface Science</i> , 1998, 409, 258-264.	0.8	16
89	The local adsorption geometry of benzenethiolate on Cu(100). <i>Surface Science</i> , 2008, 602, 2453-2462.	0.8	16
90	Electronic Structure Evolution during the Growth of Graphene Nanoribbons on Au(110). <i>Journal of Physical Chemistry C</i> , 2016, 120, 7323-7331.	1.5	16

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91	Ultrathin Transparent C_6N Layers Grown on Titanium Substrates with Excellent Electrocatalytic Activity for the Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2020, 3, 1922-1932.	2.5	16
92	One-dimensional $\tilde{\text{dislocation-related}}^{\text{TM}}$ electronic states at the GaAs(110)-Bi(1 $\bar{1}$ -1) interface. <i>Physical Review Letters</i> , 1992, 68, 986-989.	2.9	15
93	Density of states of a two-dimensional electron gas measured by high-resolution photoelectron spectroscopy. <i>Solid State Communications</i> , 1999, 110, 661-666.	0.9	15
94	Growth of 2-mercaptobenzoxazole on Cu() surface: chemisorbed and physisorbed phases. <i>Surface Science</i> , 2002, 507-510, 7-11.	0.8	15
95	Self-assembly of an aromatic thiolate on Cu(100): The local adsorption site. <i>Surface Science</i> , 2005, 598, 253-262.	0.8	15
96	Insulating state of electron-doped Cu-phthalocyanine layers. <i>Physical Review B</i> , 2007, 76, .	1.1	15
97	Quasi-Two-Dimensional Electron Gas at Submonolayer Coverages of Cs on InSb(110). <i>Europhysics Letters</i> , 1995, 32, 235-240.	0.7	14
98	Bismuth-induced restructuring of the GaSb(110) surface. <i>Physical Review B</i> , 1998, 57, 3749-3752.	1.1	14
99	Comparison of $\{\varvec{u}\}_{\varvec{\mu}}$ - Ar multiplicity distributions observed by MicroBooNE to GENIE model predictions. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	14
100	Deuterium Adsorption on Free-Standing Graphene. <i>Nanomaterials</i> , 2021, 11, 130.	1.9	14
101	Gap-state formation in two-dimensional ordered Bi layers on InAs(110). <i>Physical Review B</i> , 1998, 58, R4231-R4234.	1.1	13
102	Molecular orientation of 2-mercaptobenzoxazole adsorbed on Cu(100) surface. <i>Surface Science</i> , 2005, 578, 136-141.	0.8	13
103	Synthesis of Ternary Borocarbonitrides by High Temperature Pyrolysis of Ethane 1,2-Diamineborane. <i>Materials</i> , 2015, 8, 5974-5985.	1.3	13
104	First Measurement of Energy-Dependent Inclusive Muon Neutrino Charged-Current Cross Sections on Argon with the MicroBooNE Detector. <i>Physical Review Letters</i> , 2022, 128, 151801.	2.9	13
105	Observation of a new mode in the energy-loss spectrum of the Sb/GaAs(110) system. <i>Physical Review B</i> , 1989, 40, 8095-8098.	1.1	12
106	HREELS investigation of the first stage of interaction of atomic hydrogen with GaAs(1 1 0) surfaces. <i>Physica B: Condensed Matter</i> , 1991, 170, 487-491.	1.3	12
107	Dynamics of the Si(100) surface. <i>Surface Science</i> , 1997, 377-379, 360-364.	0.8	12
108	(1 $\bar{1}$ -2)Bi chain reconstruction on the InAs(110) surface. <i>Physical Review B</i> , 1999, 59, 15760-15765.	1.1	12

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109	Adsorption sites at Cs nanowires grown on the InAs(110) surface. <i>Surface Science</i> , 2001, 477, 35-42.	0.8	12
110	Electronic structure of methanethiolate self-assembled on the Cu(100) surface. <i>Surface Science</i> , 2004, 566-568, 591-596.	0.8	12
111	Anchoring methane thiol on Cu(100) in different structural configurations: Electronic state dispersion. <i>Physical Review B</i> , 2006, 74, .	1.1	12
112	Towards free-standing graphane: atomic hydrogen and deuterium bonding to nano-porous graphene. <i>Nanotechnology</i> , 2021, 32, 035707.	1.3	12
113	Atomic Effects in the Auger and Absorption Spectra Involving the M _{2,3} Levels in Cr and Cr-Compounds. <i>Physica Scripta</i> , 1987, 35, 54-56.	1.2	11
114	High resolution electron energy loss investigation of the azimuthal dependence of the Si(111)(2Å ⁻¹) surface excitations. <i>Surface Science</i> , 1987, 189-190, 689-694.	0.8	11
115	Antimony-induced electronic states in the Sb/InP(110) interface studied by high-resolution electron-energy-loss spectroscopy. <i>Physical Review B</i> , 1991, 43, 14317-14320.	1.1	11
116	Hole-plasmon damping on heavily doped p-type GaAs(110). <i>Physical Review B</i> , 1992, 46, 2467-2472.	1.1	11
117	Bismuth on GaSb(110): Electronic and dielectric properties. <i>Physical Review B</i> , 1994, 49, 2911-2914.	1.1	11
118	Valence band and In-4d core level photoemission study of de-capped and ion-bombarded-annealed InAs(001) epitaxial surfaces. <i>Surface Science</i> , 2005, 576, 123-130.	0.8	11
119	High quality epitaxial graphene by hydrogen-etching of 3C-SiC(111) thin-film on Si(111). <i>Nanotechnology</i> , 2017, 28, 115601.	1.3	11
120	Adsorption of monovalent metals on the GaAs(110) surface. <i>Surface Science</i> , 1987, 189-190, 226-231.	0.8	10
121	Interaction of InP(110) with atomic hydrogen: a stretching mode investigation. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1993, 64-65, 491-497.	0.8	10
122	Structural analysis of the (1Å ⁻¹)-Bi/GaAs(110) interface. <i>Physical Review B</i> , 1994, 50, 8004-8007.	1.1	10
123	Surface electronic structure at Si(100)-(2x1). <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1995, 76, 541-545.	0.8	10
124	Overlayer growth and electronic properties of the Bi/GaSb(110) interface. <i>Physical Review B</i> , 1995, 51, 16822-16831.	1.1	10
125	Metal-induced gap states at InAs(110) surface. <i>Surface Science</i> , 2000, 454-456, 539-542.	0.8	10
126	Nonenzymatic Ligation of an RNA Oligonucleotide Analyzed by Atomic Force Microscopy. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6296-6303.	1.2	10

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127	A fast synthesis route of boron-carbon-nitrogen ultrathin layers towards highly mixed ternary B-C-N phases. 2D Materials, 2019, 6, 035015.	2.0	10
128	Effects of the annealing of amorphous Ta ₂ O ₅ coatings produced by ion beam sputtering concerning the effusion of argon and the chemical composition. Journal of Non-Crystalline Solids, 2021, 557, 120651.	1.5	10
129	Calorimetric classification of track-like signatures in liquid argon TPCs using MicroBooNE data. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
130	Implementation and optimization of the PTOLEMY transverse drift electromagnetic filter. Journal of Instrumentation, 2022, 17, P05021.	0.5	10
131	Novel approach for evaluating detector-related uncertainties in a LArTPC using MicroBooNE data. European Physical Journal C, 2022, 82, .	1.4	10
132	Layer-dependent shifts in ionization potential and auger energies for Kr/Cu (110). Solid State Communications, 1983, 46, 713-716.	0.9	9
133	Yields and production rates of cosmogenic ⁹ Li and ⁸ He measured with the Double Chooz near and far detectors. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
134	Carbon nanotubes as anisotropic target for dark matter. Journal of Physics: Conference Series, 2020, 1468, 012232.	0.3	9
135	Gap Opening in Double-Sided Highly Hydrogenated Free-Standing Graphene. Nano Letters, 2022, 22, 2971-2977.	4.5	9
136	Electron energy-loss spectroscopy of Ni ₂ Si: Valence collective excitation and structural properties. Surface Science, 1986, 168, 204-211.	0.8	8
137	Electronic and vibrational properties of the K/GaAs system. Surface Science, 1989, 211-212, 659-665.	0.8	8
138	Investigation of the plasmon excitation on heavily doped p-type GaAs(110) surface. Applied Surface Science, 1992, 56-58, 44-49.	3.1	8
139	Space-charge layer, metallization, and collective excitations of the Bi/GaAs(110) interface. Physical Review B, 1994, 49, 8198-8205.	1.1	8
140	Ortho-positronium observation in the Double Chooz experiment. Journal of High Energy Physics, 2014, 2014, 1.	1.6	8
141	Response of windowless silicon avalanche photo-diodes to electrons in the 90-900 eV range. Journal of Instrumentation, 2020, 15, P11015-P11015.	0.5	8
142	Tuning the Magnetic Coupling of a Molecular Spin Interface via Electron Doping. Nano Letters, 2021, 21, 666-672.	4.5	8
143	Empty states investigation of Ni ₂ Si by photon absorption spectroscopy. Physica Scripta, 1987, 36, 153-155.	1.2	7
144	Electron energy loss spectroscopic investigation of Cr-L _{2,3} core levels in Cr and chromium silicides. Solid State Communications, 1987, 61, 5-7.	0.9	7

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145	Vibrational structure of Sb/III-V compound semiconductors interfaces. Journal of Electron Spectroscopy and Related Phenomena, 1990, 54-55, 1105-1114.	0.8	7
146	Vibrational and collective excitations of the Cs/GaAs(110) interface. Physical Review B, 1992, 46, 6955-6960.	1.1	7
147	Electronic properties of (2 Å ⁻¹ - n)-Bi reconstructions on Si(100). Surface Science, 1997, 377-379, 215-219.	0.8	7
148	Antimony adsorption on InAs(110). Physical Review B, 1998, 57, 4544-4551.	1.1	7
149	Growth morphology and electronic properties of Sn deposited on different InSb surfaces. Surface Science, 1999, 433-435, 387-391.	0.8	7
150	Core-level photoemission study of 2D ordered Bi/Si(100) interfaces. Surface Science, 1999, 430, 126-136.	0.8	7
151	Sn on InSb(100) c(2 Å ⁻¹ × 8): growth morphology and electronic structure. Journal of Electron Spectroscopy and Related Phenomena, 2002, 127, 29-35.	0.8	7
152	Thermal stability and reduction of iron oxide nanowires at moderate temperatures. Beilstein Journal of Nanotechnology, 2014, 5, 323-328.	1.5	7
153	Effect of substrate polishing on the growth of graphene on 3C-SiC(111)/Si(111) by high temperature annealing. Nanotechnology, 2016, 27, 185601.	1.3	7
154	Rejecting cosmic background for exclusive charged current quasi elastic neutrino interaction studies with Liquid Argon TPCs; a case study with the MicroBooNE detector. European Physical Journal C, 2019, 79, 1.	1.4	7
155	Antimony induced states in Sb/InP(110) and Sb/GaAs(110) interfaces studied by high resolution electron energy loss spectroscopy. Surface Science, 1991, 251-252, 209-212.	0.8	6
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