

# Thomas Greber

## List of Publications by Year in descending order

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218  
papers

11,111  
citations

23544

58  
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36008

97  
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229  
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229  
docs citations

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times ranked

9189  
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron Nitride Nanomesh. <i>Science</i> , 2004, 303, 217-220.	6.0	864
2	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020, 7, 022001.	2.0	333
3	Reading and writing single-atom magnets. <i>Nature</i> , 2017, 543, 226-228.	13.7	319
4	Spin structure of the Shockley surface state onAu(111). <i>Physical Review B</i> , 2004, 69, .	1.1	281
5	Graphene on Ru(0001): $A \times 25 \text{ \AA} \times 25 \text{ \AA}$ Supercell. <i>Physical Review Letters</i> , 2008, 101, 126102.		273
6	Synthesis of One Monolayer of Hexagonal Boron Nitride on Ni(111) from B-Trichloroborazine (CIBNH) <sub>3</sub> . <i>Chemistry of Materials</i> , 2004, 16, 343-345.	3.2	220
7	Self-Assembly of a Hexagonal Boron Nitride Nanomesh on Ru(0001). <i>Langmuir</i> , 2007, 23, 2928-2931.	1.6	216
8	XPD and STM investigation of hexagonal boron nitride on Ni(111). <i>Surface Science</i> , 1999, 429, 229-236.	0.8	215
9	Boron Nitride Nanomesh: Functionality from a Corrugated Monolayer. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 5115-5119.	7.2	209
10	Single molecule magnet with an unpaired electron trapped between two lanthanide ions inside a fullerene. <i>Nature Communications</i> , 2017, 8, 16098.	5.8	189
11	An Endohedral Single-Molecule Magnet with Long Relaxation Times: DySc <sub>2</sub> N@C <sub>80</sub> . <i>Journal of the American Chemical Society</i> , 2012, 134, 9840-9843.	6.6	188
12	Comparison of electronic structure and template function of single-layer graphene and a hexagonal boron nitride nanomesh on Ru(0001). <i>Physical Review B</i> , 2009, 79, .	1.1	186
13	Structure Determination of the Coincidence Phase of Graphene on Ru(0001). <i>Physical Review Letters</i> , 2010, 104, 136102.	2.9	185
14	Density functional theory investigation of the geometric and spintronic structure of h-BN/Ni(111) in view of photoemission and STM experiments. <i>Physical Review B</i> , 2003, 68, .	1.1	179
15	Surface Trapping of Atoms and Molecules with Dipole Rings. <i>Science</i> , 2008, 319, 1824-1826.	6.0	163
16	Defect lines and two-domain structure of hexagonal boron nitride films on Ni(111). <i>Surface Science</i> , 2003, 545, L735-L740.	0.8	158
17	Formation of single layer h-BN on Pd(111). <i>Surface Science</i> , 2006, 600, 3280-3284.	0.8	148
18	Trends in Adsorption Characteristics of Benzene on Transition Metal Surfaces: Role of Surface Chemistry and van der Waals Interactions. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20572-20583.	1.5	147

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19	Spin-polarized Fermi surface mapping. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2002, 124, 263-279.	0.8	133
20	Charge-transfer induced particle emission in gas surface reactions. <i>Surface Science Reports</i> , 1997, 28, 1-64.	3.8	130
21	Advanced photoelectric effect experiment beamline at Elettra: A surface science laboratory coupled with Synchrotron Radiation. <i>Review of Scientific Instruments</i> , 2009, 80, 043105.	0.6	126
22	Photoemission above the Fermi Level: The Top of the Minority Band in Nickel. <i>Physical Review Letters</i> , 1997, 79, 4465-4468.	2.9	121
23	Chiral Recognition of Organic Molecules by Atomic Kinks on Surfaces. <i>Physical Review Letters</i> , 2006, 96, 056103.	2.9	120
24	Formation of one-dimensional self-assembled silicon nanoribbons on Au(110)-(2 $\times$ 1). <i>Applied Physics Letters</i> , 2013, 102, .	1.5	116
25	A photoelectron spectrometer for k-space mapping above the Fermi level. <i>Review of Scientific Instruments</i> , 1997, 68, 4549-4554.	0.6	114
26	Chemical Vapor Deposition and Characterization of Aligned and Incommensurate Graphene/Hexagonal Boron Nitride Heterostack on Cu(111). <i>Nano Letters</i> , 2013, 13, 2668-2675.	4.5	113
27	Experimental full-solid-angle substrate photoelectron-diffraction data at 1-keV energies: Implications for photoelectron holography. <i>Physical Review B</i> , 1991, 44, 13764-13767.	1.1	112
28	Air-stable redox-active nanomagnets with lanthanide spins radical-bridged by a metal-metal bond. <i>Nature Communications</i> , 2019, 10, 571.	5.8	112
29	Supramolecular Assemblies Formed on an Epitaxial Graphene Superstructure. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1794-1799.	7.2	108
30	Full-hemispherical photoelectron-diffraction data from Cu(001): Energy dependence and comparison with single-scattering-cluster simulations. <i>Physical Review B</i> , 1993, 47, 7462-7479.	1.1	99
31	Energy Distribution Curves of Ultrafast Laser-Induced Field Emission and Their Implications for Electron Dynamics. <i>Physical Review Letters</i> , 2011, 107, 087601.	2.9	99
32	Tunneling, remanence, and frustration in dysprosium-based endohedral single-molecule magnets. <i>Physical Review B</i> , 2014, 89, .	1.1	91
33	Optical Control of Field-Emission Sites by Femtosecond Laser Pulses. <i>Physical Review Letters</i> , 2009, 103, 257603.	2.9	86
34	Graphene on Ru(0001): a corrugated and chiral structure. <i>New Journal of Physics</i> , 2010, 12, 043028.	1.2	86
35	Triangular Monometallic Cyanide Cluster Entrapped in Carbon Cage with Geometry-Dependent Molecular Magnetism. <i>Journal of the American Chemical Society</i> , 2016, 138, 14764-14771.	6.6	85
36	Buckybowls on Metal Surfaces: Symmetry Mismatch and Enantiomorphism of Corannulene on Cu(110). <i>Angewandte Chemie - International Edition</i> , 2007, 46, 8258-8261.	7.2	81

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37	h-BN on Pd(110): a tunable system for self-assembled nanostructures?. Surface Science, 2005, 577, L78-L84.	0.8	79
38	Orientation of chiral heptahelicene C <sub>30</sub> H <sub>18</sub> on copper surfaces: An x-ray photoelectron diffraction study. Journal of Chemical Physics, 2001, 115, 1020-1027.	1.2	78
39	Temperature-dependent electronic structure of nickel metal. Physical Review B, 1998, 58, 1300-1317.	1.1	74
40	Methane as a Selectivity Booster in the Arc-Discharge Synthesis of Endohedral Fullerenes: Selective Synthesis of the Single-Molecule Magnet Dy <sub>2</sub> TiC@C <sub>80</sub> and Its Congener Dy <sub>2</sub> TiC <sub>2</sub> @C <sub>80</sub> . Angewandte Chemie - International Edition, 2015, 54, 13411-13415.	7.2	74
41	Cell spreading on quartz crystal microbalance elicits positive frequency shifts indicative of viscosity changes. Analytical and Bioanalytical Chemistry, 2003, 377, 578-586.	1.9	73
42	Electroless Deposition of Metal Nanoislands on Amino-thiolate-Functionalized Au(111) Electrodes. Journal of Physical Chemistry B, 1998, 102, 7582-7589.	1.2	72
43	Microscopic origin of chiral shape induction in achiral crystals. Nature Chemistry, 2016, 8, 326-330.	6.6	68
44	Photoelectron diffraction from core levels and plasmon-loss peaks of aluminum. Physical Review B, 1990, 41, 12495-12501.	1.1	66
45	Surface science at the PEARL beamline of the Swiss Light Source. Journal of Synchrotron Radiation, 2017, 24, 354-366.	1.0	66
46	Nanotexture Switching of Single-Layer Hexagonal Boron Nitride on Rhodium by Intercalation of Hydrogen Atoms. Angewandte Chemie - International Edition, 2010, 49, 6120-6124.	7.2	65
47	The Metallofullerene Field-Induced Single-Ion Magnet HoSc <sub>2</sub> N@C <sub>80</sub> . Chemistry - A European Journal, 2014, 20, 13536-13540.	1.7	65
48	Switching stiction and adhesion of a liquid on a solid. Nature, 2016, 534, 676-679.	13.7	65
49	X-ray photoelectron diffraction from a free-electron-metal valence band: Evidence for hole-state localization. Physical Review Letters, 1990, 64, 2683-2686.	2.9	64
50	O <sup>+</sup> escape during the oxidation of cesium. Physical Review Letters, 1993, 70, 1331-1334.	2.9	64
51	Mononuclear Clusterfullerene Single-Molecule Magnet Containing Strained Fused Pentagons Stabilized by a Nearly Linear Metal Cyanide Cluster. Angewandte Chemie - International Edition, 2017, 56, 1830-1834.	7.2	64
52	Binding and ordering of C <sub>60</sub> on Pd(110): Investigations at the local and mesoscopic scale. Journal of Chemical Physics, 2001, 115, 9001-9009.	1.2	63
53	Direct observation of subsurface oxygen on Rh(111). Surface Science, 1998, 417, 301-310.	0.8	62
54	Surface Aligned Magnetic Moments and Hysteresis of an Endohedral Single-Molecule Magnet on a Metal. Physical Review Letters, 2015, 114, 087201.	2.9	62

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55	Determination of the Absolute Chirality of Adsorbed Molecules. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2853-2856.	7.2	61
56	Auger electron and photoelectron angular distributions from surfaces: Importance of the electron source wave. <i>Physical Review Letters</i> , 1992, 69, 1947-1950.	2.9	59
57	Electronic structure at the $C_{60}$ /metal interface: An angle-resolved photoemission and first-principles study. <i>Physical Review B</i> , 2008, 77, .	1.1	59
58	Fermi surfaces of the two-dimensional surface states on vicinal Cu(111). <i>Physical Review B</i> , 2001, 64, .	1.1	58
59	Probing Enantioselectivity with X-Ray Photoelectron Spectroscopy and Density Functional Theory. <i>Physical Review Letters</i> , 2007, 98, 136102.	2.9	58
60	Selective arc-discharge synthesis of Dy <sub>2</sub> S-clusterfullerenes and their isomer-dependent single molecule magnetism. <i>Chemical Science</i> , 2017, 8, 6451-6465.	3.7	58
61	Immobilizing Individual Atoms beneath a Corrugated Single Layer of Boron Nitride. <i>Nano Letters</i> , 2013, 13, 2098-2103.	4.5	57
62	Determining adsorbate structures from substrate emission X-ray photoelectron diffraction. <i>Surface Science</i> , 2001, 472, 125-132.	0.8	56
63	Laser-induced field emission from a tungsten tip: Optical control of emission sites and the emission process. <i>Physical Review B</i> , 2010, 81, .	1.1	55
64	Surface X-ray diffraction study of boron-nitride nanomesh in air. <i>Surface Science</i> , 2007, 601, L7-L10.	0.8	51
65	Electronic Structure of an Organic/Metal Interface: Pentacene/Cu(110). <i>Journal of Physical Chemistry C</i> , 2012, 116, 23465-23471.	1.5	49
66	Localization of Surface States in Disordered Step Lattices. <i>Physical Review Letters</i> , 2004, 92, 196805.	2.9	48
67	Final-state scattering in angle-resolved ultraviolet photoemission from copper. <i>Physical Review B</i> , 1996, 53, 10209-10216.	1.1	47
68	Material dependence of multiple-scattering effects associated with photoelectron and Auger electron diffraction along atomic chains. <i>Surface Science</i> , 1990, 239, 261-264.	0.8	46
69	Atomically Resolved Images from Near Node Photoelectron Holography Experiments on Al(111). <i>Physical Review Letters</i> , 2001, 86, 2337-2340.	2.9	46
70	High quality single atomic layer deposition of hexagonal boron nitride on single crystalline Rh(111) four-inch wafers. <i>Review of Scientific Instruments</i> , 2014, 85, 035101.	0.6	46
71	Interpretation of substrate photoelectron diffraction. <i>Physical Review B</i> , 1990, 42, 7350-7357.	1.1	43
72	Co on h-BN/Ni(111): from island to island-chain formation and Co intercalation. <i>Surface Science</i> , 2002, 511, 379-386.	0.8	43

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73	Emission of exoelectrons during oxidation of Cs via thermal activation of a metastable $O_2^{\sim}$ surface species. Physical Review Letters, 1994, 72, 578-581.	2.9	42
74	Tunable self-assembly of one-dimensional nanostructures with orthogonal directions. Nanoscale Research Letters, 2007, 2, 94-99.	3.1	42
75	Single layer hexagonal boron nitride films on Ni(110). E-Journal of Surface Science and Nanotechnology, 2006, 4, 410-413.	0.1	41
76	The formation of a NO-NH <sub>3</sub> coadsorption complex on a Pt(111) surface: a NEXAFS study. Catalysis Letters, 1996, 38, 165-170.	1.4	40
77	Centimeter-Sized Single-Orientation Monolayer Hexagonal Boron Nitride With or Without Nanovoids. Nano Letters, 2018, 18, 1205-1212.	4.5	40
78	Step-Lattice-Induced Band-Gap Opening at the Fermi Level. Physical Review Letters, 2004, 92, 016803.	2.9	39
79	Quenching of Majority-Channel Quasiparticle Excitations in Cobalt. Physical Review Letters, 2002, 88, 236402.	2.9	38
80	Looking inside an endohedral fullerene: Inter- and intramolecular ordering of $Dy$		

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91	Adsorption of silicon on Au(110): An ordered two dimensional surface alloy. Applied Physics Letters, 2012, 101, .	1.5	34
92	X-ray induced demagnetization of single-molecule magnets. Applied Physics Letters, 2014, 105, .	1.5	34
93	High-resolution photoemission study of the discommensurate(5.55Å–5.55)Cu/Si(111) surface layer. Physical Review B, 2001, 64, .	1.1	33
94	Tailoring Confining Barriers for Surface States by Step Decoration: CO/Vicinal Cu(111). Physical Review Letters, 2002, 88, 237601.	2.9	33
95	Rocking-motion-induced charging of C <sub>60</sub> on h <sup>+</sup> BN•Ni(111). Physical Review B, 2005, 71, .	1.1	33
96	Submonolayer films of Au on Cu(001) studied by photoelectron diffraction. Surface Science, 1992, 269-270, 719-723.	0.8	32
97	Dynamics of the interaction of O <sub>2</sub> with Li surfaces. Surface Science, 1994, 313, L806-L810.	0.8	32
98	Step-induced one-dimensional surface state on Cu(332). Physical Review B, 2000, 62, 15431-15434.	1.1	32
99	Chemical hole diving. Chemical Physics Letters, 1994, 222, 292-296.	1.2	31
100	Two-Nanometer Voids in Single-Layer Hexagonal Boron Nitride: Formation <i>via</i> the “Can-Opener” Effect and Annihilation by Self-Healing. ACS Nano, 2014, 8, 7423-7431.	7.3	31
101	Electronic structure of K doped C <sub>60</sub> monolayers on Ag(001). Surface Science, 2000, 454-456, 467-471.	0.8	28
102	Photoelectron emission at Cs surfaces by accelerated O <sub>2</sub> molecules. Chemical Physics Letters, 1994, 231, 119-122.	1.2	27
103	Full hemispherical photoelectron diffraction and Fermi surface mapping. Progress in Surface Science, 2000, 64, 65-87.	3.8	27
104	Reinvestigation of the band structure of the Si(111)5Å–2-Au surface. Physical Review B, 2003, 68, .	1.1	27
105	Synthesis of epitaxial graphene on rhodium from 3-pentanone. Surface Science, 2011, 605, L17-L19.	0.8	27
106	3 d Core Level Photoemission Spectra of Heavy Lanthanides: YbP. Europhysics Letters, 1987, 4, 755-759.	0.7	26
107	Partial densities of states of alloys measured with x-ray-photoelectron diffraction: AuCu <sub>3</sub> (001). Physical Review Letters, 1990, 65, 3029-3032.	2.9	26
108	Negative particle emission from Cs/Ru(0001) surface during exposure to NO and NO <sub>2</sub> . Chemical Physics Letters, 1993, 208, 404-408.	1.2	25

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109	One-dimensional chains of C60 molecules on Cu(221). Surface Science, 2004, 566-568, 633-637.	0.8	25
110	Electrolytic in situ STM investigation of h-BN-Nanomesh. Electrochemistry Communications, 2007, 9, 2484-2488.	2.3	25
111	Comparative electron diffraction study of the diamond nucleation layer on Ir(001). Diamond and Related Materials, 2008, 17, 1029-1034.	1.8	25
112	Cluster-size dependent internal dynamics and magnetic anisotropy of Ho ions in $\text{HoM}_2\text{N@C}_{80}$ and $\text{Ho}_2\text{MN@C}_{80}$ families (M = Sc, Lu, Y). Nanoscale, 2014, 6, 11431-11438.	2.8	25
113	Symmetry breaking in photon-induced $\text{Al}_{\text{L}}\text{VVAuger}$ decays. Physical Review B, 1992, 45, 4540-4543.	1.1	24
114	Doping-dependent electronic structure of cuprates studied using angle-scanned photoemission. European Physical Journal B, 2000, 18, 215-225.	0.6	24
115	Exoelectron emission during the oxidation of Na films. Surface Science, 1993, 280, 170-178.	0.8	23
116	Interaction of gas-phase oriented $\text{N}_2\text{O}$ with lithium metal: evidence for an Eley-Rideal mechanism. Surface Science, 1999, 439, 49-58.	0.8	23
117	Doping-induced reorientation of C60 molecules on Ag(111). Physical Review B, 2005, 72, .	1.1	23
118	The $k_z$ periodicity in photoemission from graphite. Physical Review B, 2018, 97, .	1.1	23
119	Strong carbon cage influence on the single molecule magnetism in $\text{Dy@Sc}$ nitride clusterfullerenes. Chemical Communications, 2018, 54, 9730-9733.	2.2	23
120	Single-Molecule Magnets $\text{DyM}_2\text{N@C}_{80}$ and $\text{Dy}_2\text{MN@C}_{80}$ (M=Sc, Lu): The Impact of Diamagnetic Metals on $\text{Dy}^{3+}$ Magnetic Anisotropy, $\text{Dy}^{\dots}\text{Dy}$ Coupling, and Mixing of Molecular and Lattice Vibrations. Chemistry - A European Journal, 2020, 26, 2436-2449.	1.7	23
121	THE FERMI SURFACE IN A MAGNETIC METAL-INSULATOR INTERFACE. Surface Review and Letters, 2002, 09, 1243-1250.	0.5	22
122	Growth of twin-free heteroepitaxial diamond on Ir/YSZ/Si(111). Journal of Applied Physics, 2008, 104, .	1.1	22
123	Rare-Earth Surface Alloying: A New Phase for $\text{GdAu}_2$ . Physical Review Letters, 2010, 105, 016101.	2.9	22
124	Angle-resolved photoemission study of clean and hydrogen-saturated Mo(110). Physical Review B, 2000, 61, 14146-14156.	1.1	21
125	Spin- and angle-resolved photoemission spectroscopy study of the Au(111) Shockley surface state. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 119-123.	0.8	21
126	On the Dissociation of $\text{N}_2\text{O}$ after Electron Attachment. Journal of Physical Chemistry B, 2004, 108, 14511-14517.	1.2	21



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127	Mononuclear Clusterfullerene Single-Molecule Magnet Containing Strained Fused Pentagons Stabilized by a Nearly Linear Metal Cyanide Cluster. <i>Angewandte Chemie</i> , 2017, 129, 1856-1860.	1.6	21
128	Electron Coherence in a Melting Lead Monolayer. <i>Science</i> , 2004, 306, 2221-2224.	6.0	20
129	Some Like It Flat: Decoupled h-BN Monolayer Substrates for Aligned Graphene Growth. <i>ACS Nano</i> , 2016, 10, 11187-11195.	7.3	20
130	Synthesis of a magnetic $\pi$ -extended carbon nanosolenoid with Riemann surfaces. <i>Nature Communications</i> , 2022, 13, 1239.	5.8	20
131	The electronic structure of a surfactant layer: Pb/Cu(111). <i>Surface Science</i> , 2003, 532-535, 82-86.	0.8	19
132	Exchange splitting of the three $d$ surface states of Ni(111) from three-dimensional spin- and angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2009, 80, .	1.1	19
133	h-BN/Ru(0001) nanomesh: A 14-on-13 superstructure with 3.5nm periodicity. <i>Surface Science</i> , 2010, 604, L16-L19.	0.8	19
134	Ar implantation beneath graphene on Ru(0001): Nanotents and $\pi$ -effect. <i>Surface Science</i> , 2015, 634, 95-102.	0.8	19
135	Living on the edge: A nanographene molecule adsorbed across gold step edges. <i>Surface Science</i> , 2008, 602, L84-L88.	0.8	18
136	Hidden surface states on pristine and H-passivated Ni(111): Angle-resolved photoemission and density-functional calculations. <i>Physical Review B</i> , 2008, 77, .	1.1	18
137	Comments on the correction of holographic images from forward-scattering diffraction patterns. <i>Surface Science</i> , 1992, 274, 441-448.	0.8	17
138	Energetics and dynamics of unoccupied electronic states at the $h$ -BN/Ni(111) interface. <i>Physical Review B</i> , 2007, 75, .	1.1	17
139	Fermi surfaces of single layer dielectrics on transition metals. <i>Surface Science</i> , 2009, 603, 1373-1377.	0.8	17
140	Implantation Length and Thermal Stability of Interstitial Ar Atoms in Boron Nitride Nanotents. <i>ACS Nano</i> , 2014, 8, 1014-1021.	7.3	17
141	Electronic Properties of Transferable Atomically Thin $MoSe_2$ /h-BN Heterostructures Grown on Rh(111). <i>ACS Nano</i> , 2018, 12, 11161-11168.	7.3	17
142	High-resolution photoemission study of hcp-Co(0001). <i>Surface Science</i> , 1998, 402-404, 551-555.	0.8	16
143	Optical Recognition of Atomic Steps on Surfaces. <i>Physical Review Letters</i> , 2003, 90, 177402.	2.9	16
144	Large dispersion of incoherent spectral features in highly ordered $C_{60}$ chains. <i>Physical Review B</i> , 2006, 74, .	1.1	16

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145	Switching Molecular Conformation with the Torque on a Single Magnetic Moment. Physical Review Letters, 2017, 119, 237202.	2.9	16
146	Near node photoelectron holography. Chemical Physics Letters, 1996, 256, 653-656.	1.2	15
147	ON THE DISSOCIATION OF O <sub>2</sub> ON ALKALI METALS. Surface Review and Letters, 1995, 02, 273-277.	0.5	14
148	State- and orientation-dependent N <sub>2</sub> emission in the N <sub>2</sub> O+Cs reaction. Surface Science, 1998, 402-404, 160-164.	0.8	14
149	Exploiting the photoelectron source wave with near-node photoelectron holography. Journal of Physics Condensed Matter, 2001, 13, 10561-10576.	0.7	14
150	Design of a miniature picosecond low-energy electron gun for time-resolved scattering experiments. Review of Scientific Instruments, 2001, 72, 4404-4407.	0.6	14
151	Strong 3p-T <sub>1</sub> hybridization in Ar@C <sub>60</sub> . Physical Review A, 2010, 82, .	1.0	14
152	Quasicrystals and their Approximants in 2D Ternary Oxides. Physica Status Solidi (B): Basic Research, 2020, 257, 1900624.	0.7	13
153	Direct observation of space charge dynamics by picosecond low-energy electron scattering. Europhysics Letters, 2009, 85, 17010.	0.7	12
154	Resonant photoelectron diffraction with circularly polarized light. Physical Review B, 2011, 84, .	1.1	12
155	Magnetic hysteresis and strong ferromagnetic coupling of sulfur-bridged Dy ions in clusterfullerene Dy <sub>2</sub> S@C <sub>82</sub> . Inorganic Chemistry Frontiers, 2020, 7, 3521-3532.	3.0	12
156	Circular dichroism and angular deviation in x-ray absorption spectra of $\text{Dy}_2\text{S}@C_{80}$ single-molecule magnets on $\text{hBN}$ . Physical Review Materials, 2019, 3, .	0.9	12
157	Substrate mediated autoionization of benzene on graphite. Surface Science, 1995, 343, L1187-L1191.	0.8	11
158	The photoemission Fermi edge as a sample thermometer?. Journal of Electron Spectroscopy and Related Phenomena, 2001, 113, 241-251.	0.8	11
159	Probing harpooning and dissociation in gas-surface reactions by exoemission. Applied Physics A: Materials Science and Processing, 1998, 67, 701-704.	1.1	10
160	Production and characterization of Ti:sapphire thin films grown by reactive laser ablation with elemental precursors. Optics Letters, 1999, 24, 1581.	1.7	10
161	Chiral Distortion of Confined Ice Oligomers ( $\langle i \rangle_n \langle i \rangle = 5,6$ ). Langmuir, 2012, 28, 15246-15250.	1.6	10
162	Sub-Kelvin hysteresis of the dilanthanide single-molecule magnet $\text{Tb}_2\text{C}_{80}$ . Physical Review B, 2020, 101, .	1.1	10

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163	Enhanced plasmon-loss emission along Al[011] chains upon heating. <i>Physical Review B</i> , 1991, 44, 8958-8961.	1.1	9
164	X-ray photoelectron diffraction studies of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> . <i>Physica C: Superconductivity and Its Applications</i> , 1992, 196, 236-240.	0.6	9
165	Fermi surface contours of p(2Å <sup>-2</sup> )O/Mo(110): an angle-resolved photoelectron spectroscopy study. <i>Surface Science</i> , 2000, 459, 173-182.	0.8	9
166	h-BN on Rh(111): Persistence of a commensurate 13-on-12 superstructure up to high temperatures. <i>Surface Science</i> , 2010, 604, L9-L11.	0.8	9
167	Comment on "Potential Energy Landscape for Hot Electrons in Periodically Nanostructured Graphene". <i>Physical Review Letters</i> , 2010, 105, 219701; author reply 219702.	2.9	9
168	Characterization of a cold cathode Penning ion source for the implantation of noble gases beneath 2D monolayers on metals: Ions and neutrals. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2016, 34, .	0.9	9
169	The true corrugation of a h-BN nanomesh layer. <i>2D Materials</i> , 2020, 7, 035006.	2.0	9
170	An electron acceptor molecule in a nanomesh: F4TCNQ on h-BN/Rh(111). <i>Surface Science</i> , 2018, 678, 183-188.	0.8	8
171	Laser-induced field emission from a tungsten nanotip by circularly polarized femtosecond laser pulses. <i>Physical Review B</i> , 2020, 101, .	1.1	8
172	Ferromagnetic insulating epitaxially strained La <sub>2</sub> NiMnO <sub>6</sub> thin films grown by sputter deposition. <i>APL Materials</i> , 2021, 9, .	2.2	8
173	Yb 3d CORE-LEVEL PHOTOEMISSION OF YbN, YbP AND YbAs. <i>Journal De Physique Colloque</i> , 1987, 48, C9-943-C9-946.	0.2	8
174	Aberration and Doppler shift: An uncommon way to relativity. <i>American Journal of Physics</i> , 1988, 56, 333-338.	0.3	7
175	Deposition of Ti:sapphire thin films by reactive pulsed laser ablation using liquid metals and oxygen. <i>Applied Physics A: Materials Science and Processing</i> , 1999, 69, S865-S867.	1.1	7
176	Photoelectron Diffraction for a Look inside Nanostructures. <i>Chimia</i> , 2006, 60, 795-799.	0.3	7
177	Electron "Photon Pulse Correlator Based on Space-Charge Effects in a Metal Pinhole. <i>Japanese Journal of Applied Physics</i> , 2006, 45, 285-291.	0.8	7
178	Two- and three-dimensional band structure of ultrathin Ni on Cu(001). <i>Physical Review B</i> , 2009, 79, .	1.1	7
179	Self-assembly of nanoscale lateral segregation profiles. <i>Physical Review B</i> , 2016, 93, .	1.1	7
180	Catalyst Proximity-Induced Functionalization of h-BN with Quat Derivatives. <i>Nano Letters</i> , 2019, 19, 5998-6004.	4.5	7

#	ARTICLE	IF	CITATIONS
181	High-Quality Hexagonal Boron Nitride from 2D Distillation. ACS Nano, 2021, 15, 1351-1357.	7.3	7
182	Graphene and Hexagonal Boron Nitride Layers: Nanostructures with 3 bond hierarchy levels. E-Journal of Surface Science and Nanotechnology, 2010, 8, 62-64.	0.1	7
183	On the growth of a metallic Ce film on SiO <sub>2</sub> . Vacuum, 1990, 41, 1439-1440.	1.6	6
184	Aberration and Doppler shift: The cosmic background radiation and its rest frame. American Journal of Physics, 1990, 58, 942-945.	0.3	6
185	Nonadiabatic gas surface reactions. Current Opinion in Solid State and Materials Science, 1998, 3, 446-450.	5.6	6
186	Corrugated single layer templates for molecules: From h-BN nanomesh to graphene based quantum dot arrays. Frontiers of Physics in China, 2010, 5, 387-392.	1.0	6
187	Electrostatic Interaction across a Single-Layer Carbon Shell. Journal of Physical Chemistry Letters, 2018, 9, 3586-3590.	2.1	6
188	Gadolinium as an accelerator for reaching thermal equilibrium and its influence on the ground state of $C_{80}$ single-molecule magnets. Physical Review B, 2021, 103, .		
189	Metamagnetic transition and a loss of magnetic hysteresis caused by electron trapping in monolayers of single-molecule magnet Tb <sub>2</sub> @C <sub>79</sub> N. Nanoscale, 2022, 14, 9877-9892.	2.8	6
190	Hydrogen from Water Vapor on a Ce-Pd Interface*. Zeitschrift Fur Physikalische Chemie, 1989, 164, 1213-1218.	1.4	5
191	Accuracy of alloy partial densities of states as determined by valence-band photoelectron diffraction. Physical Review B, 1995, 51, 9497-9507.	1.1	5
192	Circular Dichroism in Cu Resonant Auger Electron Diffraction. Zeitschrift Fur Physikalische Chemie, 2016, 230, 519-535.	1.4	5
193	Fermi surface map of large-scale single-orientation graphene on SiO <sub>2</sub> . Journal of Physics Condensed Matter, 2017, 29, 475001.	0.7	5
194	Wafer-scale, epitaxial growth of single layer hexagonal boron nitride on Pt(111). JPhys Materials, 2021, 4, 044012.	1.8	5
195	Precise measurement of angles between two magnetic moments and their configurational stability in single-molecule magnets. Physical Review B, 2021, 104, .	1.1	5
196	Yb on Al: Substrate- and adsorbate-induced Yb contraction. Physical Review B, 1989, 40, 9948-9951.	1.1	4
197	Suppressed forward scattering in photoelectron holography. Progress in Surface Science, 1996, 53, 163-169.	3.8	4
198	Note: An ion source for alkali metal implantation beneath graphene and hexagonal boron nitride monolayers on transition metals. Review of Scientific Instruments, 2013, 84, 126104.	0.6	4

#	ARTICLE	IF	CITATIONS
199	Low cost photoelectron yield setup for surface process monitoring. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2014, 32, 023202.	0.9	4
200	Tau Zero: In the cockpit of a Bussard ramjet. American Journal of Physics, 2017, 85, 915-920.	0.3	4
201	Parallel and antiparallel angular momentum transfer of circularly polarized light to photoelectrons and Auger electrons at the Ni L3 absorption threshold. Physical Review B, 2018, 97, .	1.1	4
202	Imaging atom sites with near node photoelectron holography. Europhysics News, 2001, 32, 172-175.	0.1	2
203	Probing the Electronic States of Band Ferromagnets with Photoemission. Lecture Notes in Physics, 2001, , 94-110.	0.3	2
204	Boron Nitride Nanomesh.. ChemInform, 2004, 35, no.	0.1	2
205	Charge-transfer dynamics in one-dimensional C60 chains. Surface Science, 2008, 602, 1928-1932.	0.8	2
206	Flattening and manipulation of the electronic structure of h-BN/Rh(111) nanomesh upon Sn intercalation. Surface Science, 2018, 672-673, 33-38.	0.8	2
207	Growth of Yb layers on Pd, PdHx and Al studied by 3d core level spectroscopy using SiK $\alpha$ radiation. Vacuum, 1990, 41, 556-557.	1.6	1
208	Osterwalder et al. reply. Physical Review Letters, 1991, 66, 2835-2835.	2.9	1
209	Complete k-space mappings of cuprates at different doping levels. Journal of Physics and Chemistry of Solids, 1998, 59, 1929-1931.	1.9	1
210	Influence of an Atomic Grating on a Magnetic Fermi Surface. , 2001, , 411-417.		1
211	Synthesis of One Monolayer of Hexagonal Boron Nitride on Ni(111) from B-Trichloroborazine (CIBNH) <sub>3</sub> .. ChemInform, 2004, 35, no.	0.1	1
212	Remote doping of graphene on SiO <sub>2</sub> with 5 keV x-rays in air. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, 020603.	0.9	1
213	Upstanding molecule reveals orbital wavefunction. Nature, 2018, 558, 525-526.	13.7	1
214	Plasmonic Graphene Organic Hybrid Phase Modulator with 10 $\mu$ m Length, &gt;70 GHz Bandwidth and 4.5 dB Insertion Loss. , 2021, , .		1
215	Controlled underdoping of cuprates using ultraviolet radiation. Applied Physics Letters, 1999, 74, 1877-1879.	1.5	0
216	Surface States on Clean and Adsorbate-Covered Metal Surfaces. , 2001, , 245-255.		0

#	ARTICLE	IF	CITATIONS
217	LUMO photoemission lineshape in quasi-one-dimensional C <sub>60</sub> chains. Physical Review B, 2010, 81, .	1.1	0
218	(Invited) The Role of Gd in the Dy <sub>2</sub> GdN@C <sub>80</sub> single Molecule Magnet. ECS Meeting Abstracts, 2021, MA2021-01, 630-630.	0.0	0