

Herbert PfñÃ¼r

List of Publications by Year in descending order

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225
papers

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citations

76294

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72
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227
all docs

227
docs citations

227
times ranked

3950
citing authors

#	ARTICLE	IF	CITATIONS
1	High resolution vibrational spectroscopy of CO on Ru(001): The importance of lateral interactions. Surface Science, 1980, 93, 431-452.	0.8	471
2	The influence of adsorbate interactions on kinetics and equilibrium for CO on Ru(001). II. Desorption kinetics and equilibrium. Journal of Chemical Physics, 1983, 79, 4613-4623.	1.2	308
3	The 100th anniversary of the four-point probe technique: the role of probe geometries in isotropic and anisotropic systems. Journal of Physics Condensed Matter, 2015, 27, 223201.	0.7	304
4	An example of "fast" desorption: Anomalously high pre-exponentials for CO desorption from Ru (001). Chemical Physics Letters, 1978, 59, 481-486.	1.2	208
5	A LEED determination of the structures of Ru(001) and of. Surface Science, 1983, 129, 92-106.	0.8	196
6	First-Principles Theory of Surface Thermodynamics and Kinetics. Physical Review Letters, 1999, 83, 2993-2996.	2.9	181
7	Adsorbate induced reconstruction by strong chemisorption: Ru(001)p(2 $\sqrt{3}$ -2)-O. Surface Science, 1989, 222, 451-463.	0.8	170
8	The influence of adsorbate interactions on kinetics and equilibrium for CO on Ru(001). I. Adsorption kinetics. Journal of Chemical Physics, 1983, 79, 2400-2410.	1.2	169
9	Oxygen induced reconstruction of a close-packed surface: A LEED IV study on Ru(001)-p(2 $\sqrt{3}$ -1)O. Surface Science, 1989, 220, 43-58.	0.8	152
10	Fast reaction products from the oxidation of CO on Pt(111): Angular and velocity distributions of the CO ₂ product molecules. Journal of Chemical Physics, 1994, 100, 3985-3998.	1.2	138
11	A study of the adsorption sites of hydrogen on Ru(001) at saturation coverage by electron reflection. Surface Science, 1987, 180, 237-251.	0.8	118
12	Structural phase transitions of Si(111) $\sqrt{3}\sqrt{3}$ R30 $\sqrt{3}\sqrt{3}$ Au: Phase transitions in domain-wall configurations. Physical Review B, 1998, 57, 10100-10109.	1.1	106
13	Switching Between One and Two Dimensions: Conductivity of Pb-Induced Chain Structures on Si(557). Physical Review Letters, 2005, 95, 176804.	2.9	93
14	Nitrogen Doping Improves the Immobilization and Catalytic Effects of Co ₉ S ₈ in Li ^{ion} Batteries. Advanced Functional Materials, 2020, 30, 2002462.	7.8	86
15	Stoichiometry and morphology of MgO films grown reactively on Ag(100). Applied Surface Science, 1999, 142, 129-134.	3.1	85
16	Oxygen surplus and oxygen vacancies on the surface of epitaxial MgO layers grown on Ag(100). Surface Science, 1999, 431, 146-155.	0.8	84
17	Lateral interactions for CO/Ru(001): Order-disorder transitions of the structure. Surface Science, 1984, 148, 411-438.	0.8	76
18	Morphology of thin NaCl films grown epitaxially on Ge(100). Surface Science, 1993, 293, 57-66.	0.8	71

#	ARTICLE	IF	CITATIONS
19	Plasmon electron-hole resonance in epitaxial graphene. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 012001.	0.7	70
20	Plasmon damping below the Landau regime: the role of defects in epitaxial graphene. <i>New Journal of Physics</i> , 2010, 12, 033017.	1.2	68
21	An accurate and versatile vibrating capacitor for surface and adsorption studies. <i>Journal of Physics E: Scientific Instruments</i> , 1977, 10, 1133-1136.	0.7	66
22	Experimental verification of critical exponents in the two-dimensional four-state Potts universality class: Oxygen on Ru(0001). <i>Physical Review Letters</i> , 1987, 59, 1124-1127.	2.9	66
23	A LEED-IV investigation of the Ru(001)-p(2 Å-1)-H structure. <i>Surface Science</i> , 1992, 271, 21-31.	0.8	66
24	Sheet plasmons in modulated graphene on Ir(111). <i>New Journal of Physics</i> , 2011, 13, 053006.	1.2	66
25	Polythiophene-nanoWO ₃ bilayer as an electrochromic infrared filter: a transparent heat shield. <i>Journal of Materials Chemistry C</i> , 2020, 8, 1773-1780.	2.7	60
26	Monodisperse Molybdenum Nanoparticles as Highly Efficient Electrocatalysts for Li-S Batteries. <i>ACS Nano</i> , 2021, 15, 15047-15056.	7.3	60
27	Adsorbate interactions in energetics, structure, dynamics, and kinetics of adlayers: CO and N ₂ on Ru(001). <i>Surface Science</i> , 1983, 126, 374-381.	0.8	59
28	Mechanism and kinetics of color center formation on epitaxial thin films of MgO. <i>Surface Science</i> , 2002, 517, 87-97.	0.8	58
29	Investigation of a disordered adsorption system by electron reflection: H/Ru(001) at intermediate coverages. <i>Surface Science</i> , 1987, 192, 421-437.	0.8	56
30	Phase diagram and critical behavior of the adsorption system O/Ru(001): Comparison with lattice-gas models. <i>Physical Review B</i> , 1992, 45, 1869-1877.	1.1	53
31	Theoretical and experimental study of the unoccupied electronic band structure of Ru(001) by electron reflection. <i>Physical Review B</i> , 1986, 33, 6684-6693.	1.1	49
32	Effect of random quenched impurities on the critical behavior of a four-state Potts system in two dimensions: An experimental study. <i>Physical Review Letters</i> , 1994, 73, 296-299.	2.9	47
33	Coupled Pb Chains on Si(557): Origin of One-Dimensional Conductance. <i>Physical Review Letters</i> , 2008, 100, 076802.	2.9	47
34	Critical behavior of p(2 Å-2) oxygen on Ru(001): An example of four-state Potts critical exponents. <i>Physical Review B</i> , 1989, 40, 2515-2522.	1.1	46
35	Adsorbate induced relaxations of S/Ru(0001): p(2 Å-2) and p(√3 Å-√3)R30° structures. <i>Surface Science</i> , 1994, 303, 77-88.	0.8	46
36	Correlated Motion of Electrons on the Au(111) Surface: Anomalous Acoustic Surface-Plasmon Dispersion and Single-Particle Excitations. <i>Physical Review Letters</i> , 2013, 110, 127405.	2.9	46

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37	Photoluminescent Aerogels from Quantum Wells. Chemistry of Materials, 2016, 28, 2089-2099.	3.2	46
38	Synthesis of Ternary and Quaternary Au and Pt Decorated CdSe/CdS Heteronanoplatelets with Controllable Morphology. Advanced Functional Materials, 2017, 27, 1604685.	7.8	44
39	Continuous order-disorder phase transitions of the $(2\sqrt{2})$ and $(\sqrt{3}\sqrt{3})R30^\circ$ superstructures of sulfur on Ru(001): Effective critical exponents and finite-size effects. Physical Review B, 1994, 49, 7716-7728.	1.1	43
40	Defects in epitaxial insulating thin films. Journal of Physics Condensed Matter, 1999, 11, 9943-9954.	0.7	40
41	Formation of surface color centers at differently coordinated sites: MgO/Ag(1,1,19). Physical Review B, 2003, 67, .	1.1	40
42	Ordered structures and phase diagram of atomic hydrogen chemisorbed on ruthenium (001). Surface Science, 1991, 243, 261-272.	0.8	39
43	The structure: adsorbate induced relaxations. Surface Science, 1994, 312, 301-309.	0.8	38
44	Experimental investigation of two-dimensional plasmons in a DySi_2 on Si(111). Physical Review B, 2008, 78, .	1.1	38
45	Multilayer relaxation of Pd(210) and Mo(211). Surface Science, 1999, 439, 224-234.	0.8	37
46	Anomalous thickness dependence of the Hall effect in ultrathin Pb layers on Si(111). Physical Review B, 2002, 66, .	1.1	37
47	The local geometry of chalcogen atoms on Pd(100): the low coverage phases of O and S. Surface Science, 1996, 365, 374-382.	0.8	36
48	Defect-induced band gap states and the contact charging effect in wide band gap insulators. Surface Science, 1998, 408, 237-251.	0.8	35
49	Adsorbate induced refacetting: Pb chains on Si(557). New Journal of Physics, 2007, 9, 338-338.	1.2	35
50	Graphitization process of SiC(0001) studied by electron energy loss spectroscopy. Applied Physics Letters, 2009, 94, 112106.	1.5	33
51	Color centers in NaCl by hybrid functionals. Physical Review B, 2010, 82, .	1.1	33
52	Influence of steps on the critical behavior of a two-dimensional system: $(2\sqrt{2})$ oxygen on a stepped Ru(0001) surface. Physical Review Letters, 1989, 63, 183-186.	2.9	32
53	The structure of dense sulphur layers on Ru(0001) I. The $(2\sqrt{2})$ structure. Surface Science, 1994, 316, 81-91.	0.8	32
54	One-dimensional plasmons in ultrathin metallic silicide wires of finite width. Physical Review B, 2010, 81, .	1.1	32

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55	Multiple plasmon excitations in adsorbed two-dimensional systems. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 112204.	0.7	32
56	Observation of correlated spin-orbit order in a strongly anisotropic quantum wire system. <i>Nature Communications</i> , 2015, 6, 8118.	5.8	32
57	Adsorption geometry of OH adsorbed at F-centers on a NaCl(100) surface. <i>Physical Review B</i> , 1996, 53, 13115-13120.	1.1	31
58	Growth conditions, stoichiometry, and electronic structure of lattice-matched SrO \cdot BaO mixtures on Si(100). <i>Physical Review B</i> , 2005, 72, .	1.1	31
59	Investigation of adsorbates with low energy electron diffraction at very low energies (VLEED). <i>Surface Science</i> , 1991, 248, 1-10.	0.8	29
60	Sensing surface states of Bi films by magnetotransport. <i>Physical Review B</i> , 2011, 83, .	1.1	29
61	A Versatile Route to Assemble Semiconductor Nanoparticles into Functional Aerogels by Means of Trivalent Cations. <i>Small</i> , 2020, 16, e1906934.	5.2	29
62	Order-Disorder Phenomena in the System CO/Ru(001). <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1986, 90, 272-277.	0.9	28
63	Fermi Nesting between Atomic Wires with Strong Spin-Orbit Coupling. <i>Physical Review Letters</i> , 2012, 109, 266401.	2.9	28
64	Hole injection enhancement in organic light emitting devices using plasma treated graphene oxide. <i>Applied Surface Science</i> , 2017, 397, 144-151.	3.1	27
65	Determination of the adsorption site of sulphur on Ru(0001) by STM. <i>Surface Science</i> , 1993, 297, L61-L67.	0.8	26
66	Domain walls and adsorbate-step interactions: an STM study of sulphur layers on Ru(0001). <i>Surface Science</i> , 1996, 347, 80-96.	0.8	25
67	Phase transitions in the adsorption system Li/Mo(112). <i>Physical Review B</i> , 2000, 62, 2852-2861.	1.1	25
68	One-dimensional collective excitations in Ag atomic wires grown on Si(557). <i>Journal of Physics Condensed Matter</i> , 2013, 25, 014013.	0.7	25
69	The structure of dense sulphur layers on Ru(0001) II. The $(\sqrt{7} \times \sqrt{7}) R19.1^\circ$ structure. <i>Surface Science</i> , 1995, 330, 11-19.	0.8	24
70	Phase transitions in two-dimensional anisotropic chain systems: submonolayers of Sr adsorbed on Mo(112). <i>Surface Science</i> , 2000, 460, 229-242.	0.8	24
71	Switching between one- and two-dimensional conductance: Coupled chains in the monolayer of Pb on Si(557). <i>Surface Science</i> , 2007, 601, 2641-2646.	0.8	24
72	Critical scattering at the order-disorder phase transition of Si(111)- $3\sqrt{3} \times 3\sqrt{3}$ -Au surface: A phase transition with particle exchange. <i>Physical Review B</i> , 1997, 55, 8129-8135.	1.1	23

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73	Adsorbate induced contact charging: pure and OH-substituted benzoic acids adsorbed on wide band gap insulators. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2653-2659.	1.3	23
74	The growth of NaCl on flat and stepped silver surfaces. <i>Journal of Physics Condensed Matter</i> , 2003, 15, 6473-6483.	0.7	22
75	Tuning the conductivity along atomic chains by selective chemisorption. <i>Physical Review B</i> , 2017, 95, .	1.1	22
76	Spin-resolved band structure of a densely packed Pb monolayer on Si(111). <i>Physical Review B</i> , 2017, 96, .	1.1	22
77	How One-Dimensional Are Atomic Gold Chains on a Substrate?. <i>Journal of Physical Chemistry C</i> , 2018, 122, 25580-25588.	1.5	22
78	Oxygen on Ru(001): Critical behavior of $ap(2\text{Å}-1)$ order-disorder transition. <i>Physical Review B</i> , 1990, 41, 582-589.	1.1	21
79	Step and kink correlations on vicinal Ge(100) surfaces investigated by electron diffraction. <i>Physical Review B</i> , 2002, 65, .	1.1	21
80	Crossover between Monopole and Multipole Plasmon of Cs Monolayers on Si(111) Individually Resolved in Energy and Momentum. <i>Physical Review Letters</i> , 2006, 96, 196801.	2.9	21
81	Switchable nanometer contacts: Ultrathin Ag nanostructures on Si(100). <i>Applied Physics Letters</i> , 2006, 89, 063120.	1.5	21
82	Plasmons in Pb nanowire arrays on Si(557): Between one and two dimensions. <i>Physical Review B</i> , 2011, 84, .	1.1	20
83	O/Ni(111): Lateral interactions and binding-energy difference between fcc and hcp sites. <i>Physical Review B</i> , 1997, 56, 10558-10566.	1.1	19
84	Geometrical implications of lateral interactions in chain systems: $Li(1\text{Å}-2)$ and $Li(1\text{Å}-4)$ on molybdenum (211). <i>Surface Science</i> , 2000, 457, 134-146.	0.8	19
85	Charge-carrier transport properties of ultrathin Pb films. <i>European Physical Journal B</i> , 2003, 36, 281-287.	0.6	19
86	Charge Transport through Ferrocene 1,1- ϵ^2 -Diamine Single-Molecule Junctions. <i>Small</i> , 2016, 12, 4849-4856.	5.2	19
87	Probing quasi-one-dimensional band structures by plasmon spectroscopy. <i>Physical Review B</i> , 2018, 97, .	1.1	19
88	Geometrical evidence for long-range coupling in strongly anisotropic adsorbate systems: Sr and Li on Mo(211). <i>Surface Science</i> , 2000, 459, 265-276.	0.8	18
89	Metastable structures of Dy layers adsorbed on Mo(112) and their transformations. <i>European Physical Journal B</i> , 2001, 24, 395-403.	0.6	18
90	Anisotropic conductance of Pb-induced chain structures on Si(557) in the monolayer regime. <i>European Physical Journal B</i> , 2005, 43, 557-564.	0.6	18

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91	Temperature-driven refacetting phase transition in Pb chains on Si(557). <i>Physical Review B</i> , 2008, 77, .	1.1	18
92	Pb nanowires on vicinal Si(111) surfaces: Effects of refacetting on transport. <i>Physical Review B</i> , 2010, 82, .	1.1	18
93	Scattering at magnetic and nonmagnetic impurities on surfaces with strong spin-orbit coupling. <i>Physical Review B</i> , 2012, 86, .	1.1	18
94	Pseudo-Anomalous Size-Dependent Electronâ€“Phonon Interaction in Graded Energy Band: Solving the Fano Paradox. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 2044-2051.	2.1	18
95	Tungsten Nanoparticles Accelerate Polysulfides Conversion: A Viable Route toward Stable Roomâ€“temperature Sodiumâ€“Sulfur Batteries. <i>Advanced Science</i> , 2022, 9, e2105544.	5.6	18
96	Structural analysis of a short range ordered layer with several adsorption sites: ONi(111). <i>Surface Science</i> , 1996, 369, 248-264.	0.8	17
97	Controlling conductivity by quantum well states in ultrathin Bi(111) films. <i>Physical Review B</i> , 2018, 97, .	1.1	17
98	Extrinsic doping on the atomic scale: Tuning metallicity in atomic Au chains. <i>Physical Review B</i> , 2018, 98, .	1.1	17
99	Structural correlations of a chemisorbate across monatomic steps: p(2 Å– 2)-ordered oxygen on stepped Ru(001) surfaces. <i>Surface Science</i> , 1992, 278, 87-98.	0.8	16
100	Ordering and phase diagrams of xenon adsorbed on thin epitaxial NaCl(100) films and on Ge(100). <i>Physical Review B</i> , 1993, 48, 8928-8937.	1.1	16
101	First- and Second-Order Phase Transitions in a Simple Lattice Gas Model. <i>Europhysics Letters</i> , 1994, 25, 105-111.	0.7	16
102	Site exchange in thermally disordered adsorbate layers. <i>Surface Science</i> , 1996, 349, 185-195.	0.8	16
103	Properties of Ternary Insulating Systems:Â The Electronic Structure of MgSO4Â·H2O. <i>Journal of Physical Chemistry A</i> , 2005, 109, 4118-4124.	1.1	16
104	Tailoring band gaps of insulators by adsorption at surface defects: Benzoic acids on NaCl surfaces. <i>Physical Review B</i> , 2009, 79, .	1.1	16
105	Phase diagram and phase transitions in the system H/Ru(0001): a Monte Carlo study. <i>Surface Science</i> , 1993, 280, 185-196.	0.8	15
106	Associative desorption of HD and D2 from a Ni(100) surface: angular and velocity distributions. <i>Surface Science</i> , 1993, 286, 297-305.	0.8	15
107	Phonon spectra and heat capacity of Li2B4O7 and LiB3O5 crystals. <i>European Physical Journal B</i> , 2004, 42, 461-466.	0.6	15
108	Magnetotransport in anisotropic Pb films and monolayers. <i>Physical Review B</i> , 2010, 81, .	1.1	15

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109	Angular and velocity distributions of CO desorbed from adsorption layers on Ni(100) and Pt(111): examples of non-activated desorption. <i>Surface Science</i> , 1993, 291, 167-176.	0.8	14
110	Critical scattering at a marginally first order phase transition in two dimensions: the order-disorder transition of O/Ni(111)-p(2 Å– 2). <i>Surface Science</i> , 1994, 307-309, 781-788.	0.8	14
111	Stepped NaCl films grown epitaxially on Si-precovered vicinal Ge(100). <i>Surface Science</i> , 2000, 466, 41-53.	0.8	14
112	Insight from First-Principles Calculations into the Interactions between Hydroxybenzoic Acids and Alkali Chloride Surfaces. <i>Journal of Physical Chemistry C</i> , 2010, 114, 460-467.	1.5	14
113	Growth of epitaxial Bi-films on vicinal Si(111). <i>Surface Science</i> , 2014, 621, 82-87.	0.8	14
114	Origin of metallicity in atomic Ag wires on Si(557). <i>New Journal of Physics</i> , 2015, 17, 043062.	1.2	14
115	Atomic size effects studied by transport in single silicide nanowires. <i>Physical Review B</i> , 2016, 93, .	1.1	14
116	Enforced Long-Range Order in 1D Wires by Coupling to Higher Dimensions. <i>Physical Review Letters</i> , 2021, 126, 106101.	2.9	14
117	Effect of oxygen impurities on the critical properties of the (2Å–2)-2H/Ni(111) order-disorder phase transition. <i>Physical Review B</i> , 1995, 52, 9275-9282.	1.1	13
118	Manipulation of plasmon electron–hole coupling in quasi-free-standing epitaxial graphene layers. <i>New Journal of Physics</i> , 2012, 14, 103045.	1.2	13
119	Anisotropic Dispersion and Partial Localization of Acoustic Surface Plasmons on an Atomically Stepped Surface: Au(788). <i>Physical Review Letters</i> , 2014, 113, 186804.	2.9	13
120	Au-chains grown on Ge(100): A detailed SPA-LEED study. <i>Surface Science</i> , 2015, 632, 64-70.	0.8	13
121	Plasmon Standing Waves by Oxidation of Si(553)–Au. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9400-9406.	1.5	13
122	Adsorption-site mixing at a continuous order-disorder phase transition. <i>Physical Review B</i> , 1995, 52, 2138-2143.	1.1	12
123	Phase transitions and critical phenomena in strongly chemisorbed adlayers: Influence of defects. <i>Progress in Surface Science</i> , 1996, 53, 205-215.	3.8	12
124	Adsorbate-induced faceting of a nearly close-packed surface: Te–Pd(100). <i>Surface Science</i> , 2000, 447, 259-271.	0.8	12
125	Impurity-induced changes of overlayer symmetry and of phase transitions. <i>Europhysics Letters</i> , 2001, 56, 67-73.	0.7	12
126	Anomalous molecular orbital variation upon adsorption on a wide band gap insulator. <i>Journal of Chemical Physics</i> , 2010, 132, 214706.	1.2	12

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127	Two-dimensional crossover and strong coupling of plasmon excitations in arrays of one-dimensional atomic wires. <i>Physical Review B</i> , 2016, 93, .	1.1	12
128	Electromigration and morphological changes in Ag nanostructures. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 084002.	0.7	12
129	Chronopotentiometric Deposition of Nanocobalt Oxide for Electrochromic Auxiliary Active Electrode Application. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000173.	0.8	12
130	Growth and surface morphology: epitaxial MgO films and the Ag(1,1,19) substrate. <i>Surface Science</i> , 2003, 537, 265-275.	0.8	11
131	The structure of Na adsorbed on Ge(100) and its influence on substrate morphology. <i>Surface Science</i> , 2003, 540, 303-312.	0.8	11
132	Ferrocene-1,1â€²-dithiol as molecular wire between Ag electrodes: The role of surface defects. <i>Journal of Chemical Physics</i> , 2008, 128, 064704.	1.2	11
133	Atomic chain ordering with ultra-long periods: Pb/Si(5 5 7). <i>Surface Science</i> , 2009, 603, L121-L124.	0.8	11
134	Experimental determination of the phase-transition critical exponents±and±by integrating methods. <i>Physical Review B</i> , 1998, 57, 3345-3355.	1.1	10
135	A vitrifying structure transition in the Dy/Mo(112) adsorption system. <i>Low Temperature Physics</i> , 2001, 27, 850-853.	0.2	10
136	Restructuring of the Ge(100) surface by Na chains. <i>Physical Review B</i> , 2003, 68, .	1.1	10
137	The processes of ordering and formation of two-dimensional glasses at metal surfaces. <i>Surface Science</i> , 2006, 600, 1566-1573.	0.8	10
138	Generation of ultrasmall nanostructures in oxide layers assisted by self-organization. <i>Journal of Applied Physics</i> , 2008, 103, 064303.	1.1	10
139	The interplay of van der Waals and weak chemical forces in the adsorption of salicylic acid on NaCl(001). <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 9337.	1.3	10
140	$\hat{\pm}$-Sn phase on Si(111): Spin texture of a two-dimensional Mott state. <i>Physical Review B</i> , 2018, 98, .	1.1	10
141	Charge-transfer transition in Au-induced quantum wires on Si(553). <i>Physical Review B</i> , 2019, 100, .	1.1	10
142	Anisotropic 2D metallicity: plasmons in Ge(1â€²0â€²0)-Au. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 175001.	0.7	10
143	Plasmon spectroscopy: Robust metallicity of Au wires on Si(557) upon oxidation. <i>Physical Review Materials</i> , 2018, 2, .	0.9	10
144	Phase transitions of the striped domain-wall phases of S on Ru(0001). <i>Physical Review B</i> , 1995, 51, 15742-15751.	1.1	9

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145	Incommensurate-commensurate transition via domain wall evaporation in an overlayer. Europhysics Letters, 1996, 33, 673-678.	0.7	9
146	Surface structure analysis of the domain-wall phase of S/Ru(0001) using an efficient parameter optimization method. Surface Science, 1997, 381, 174-189.	0.8	9
147	Adsorbate-induced one-dimensional long-range modulation of an epitaxial insulator film. Applied Physics Letters, 2002, 80, 2595-2597.	1.5	9
148	Barrier-free subsurface incorporation of atoms into Bi(111) films. Physical Review B, 2015, 91, .	1.1	9
149	Plasmon Localization by H-Induced Band Switching. Journal of Physical Chemistry C, 2020, 124, 958-967.	1.5	9
150	View on Si_{11} with plasmon spectroscopy. Physical Review B, 2020, 102, .	1.1	9
151	Thickness-dependent electronic transport through epitaxial nontrivial Bi quantum films. Physical Review B, 2020, 102, .	1.1	9
152	Reducing the raw material usage for room temperature infusible and polymerisable thermoplastic CFRPs through reuse of recycled waste matrix material. Composites Part B: Engineering, 2021, 216, 108877.	5.9	9
153	Growth and surface alloy formation of Mg on Ag(100). Applied Surface Science, 1999, 151, 40-48.	3.1	8
154	Depinning transitions between adsorbate chains coupled by Friedel oscillations. Physical Review B, 2003, 67, .	1.1	8
155	Two-stage ordering processes under annealing of Sr submonolayers on Mo(112). Surface Science, 2004, 565, 180-190.	0.8	8
156	Surface morphology of epitaxial lattice-matched Ba _{0.7} Sr _{0.3} O on Si(001) and vicinal Si(001)-4Å ^o [110] substrates. Surface Science, 2006, 600, 2785-2794.	0.8	8
157	Investigation of the electrical properties of the alkaline-earth oxides BaO, SrO and Ba _{0.7} Sr _{0.3} O on Si(001) as alternative gate dielectrics. Thin Solid Films, 2010, 518, S281-S284.	0.8	8
158	Tuning of one-dimensional plasmons by Ag-Doping in Ag- $\sqrt{3}$ -ordered atomic wires. New Journal of Physics, 2014, 16, 043007.	1.2	8
159	Interwire coupling for I_{4n} probed by surface transport. Physical Review B, 2015, 92, .	1.1	8
160	Conductance through single biphenyl molecules: symmetric and asymmetric coupling to electrodes. Beilstein Journal of Nanotechnology, 2015, 6, 1690-1697.	1.5	8
161	Lateral electronic screening in quasi-one-dimensional plasmons. Journal of Physics Condensed Matter, 2016, 28, 354001.	0.7	8
162	Critical behaviour of the p(2 Å– 2) and order-disorder phase transitions of S/Ru(001). Surface Science, 1993, 287-288, 831-836.	0.8	7

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163	Isotope effects at the order-disorder phase transition of the $(2 \text{ \AA} - 2) \times 2H$ structure on Ni(111). Surface Science, 1995, 338, L839-L845.	0.8	7
164	Modifications in desorption kinetics of physisorbed species induced by colour centres on NaCl(100). Surface Science, 2000, 464, 35-47.	0.8	7
165	Roughness and stability of silicon on insulator surfaces. Applied Physics Letters, 2004, 84, 350-352.	1.5	7
166	Thiol and thiolate bond formation of ferrocene-1,1-dithiol to a Ag(111) surface. Journal of Chemical Physics, 2006, 125, 194705.	1.2	7
167	Two-dimensional glasses and their concentration dependent re-ordering: Dy on Mo(112). Surface Science, 2007, 601, 978-985.	0.8	7
168	Anisotropic conductance oscillations in Pb films on Si(557). Physical Review B, 2010, 82, .	1.1	7
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