Harold J W Zandvliet

List of Publications by Year
in descending order

297	7,951	57758 44	76900 74
papers	citations	h-index	g-index

304	304	304	7397
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Spectroscopic signature of surface states and bunching of bulk subbands in topological insulator () Tj ETQq1 1 0.784314 rgBT /Overlock mathvariant="normal">Te</mn></mrow></msub><mn>. Physical Review B, 2022, 105, .	3.2	0
2	Transition in the growth mode of plasmonic bubbles in binary liquids. Soft Matter, 2022, 18, 4136-4145.	2.7	1
3	Low coverage disordered decanethiol monolayers on Au(001): A conjecture regarding the formation of Au-adatom-molecule complexes. Applied Surface Science, 2022, 594, 153364.	6.1	2
4	Germanene. , 2022, , 27-48.		0
5	Droplet dissolution driven by emerging thermal gradients and Marangoni flow. Physical Review Fluids, 2022, 7, .	2.5	0
6	Microscopic Study of the Spinodal Decomposition of Supported Eutectic Droplets During Cooling: PtGe/Ge{110}. Journal of Physical Chemistry C, 2022, 126, 11285-11297.	3.1	2
7	Strong Fermi-Level Pinning in GeSâ€“Metal Nanocontacts. Journal of Physical Chemistry C, 2022, 126, 11400-11406.	3.1	3
8	Determination of the Fermi velocity of graphene on MoS2 using dual mode scanning tunneling spectroscopy. Applied Physics Letters, 2021, 118, 163103.	3.3	6
9	Valley-protected one-dimensional states in small-angle twisted bilayer graphene. Physical Review B, 2021, 103, .	3.2	14
10	Confined Friedel oscillations on Au(111) terraces probed by thermovoltage scanning tunneling microscopy. Physical Review B, 2021, 103, .	3.2	3
11	Dual modulation STM: Simultaneous high-resolution mapping of the differential conductivity and local tunnel barrier height demonstrated on Au(111). Journal of Applied Physics, 2021, 129, 225301.	2.5	0
12	Periodic bouncing of a plasmonic bubble in a binary liquid by competing solutal and thermal Marangoni forces. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
13	Droplet plume emission during plasmonic bubble growth in ternary liquids. Physical Review E, 2021, 104, 025101.	2.1	3
14	Robustness of surfactant-laden latex films. Progress in Organic Coatings, 2021, 160, 106502.	3.9	1
15	Containerless metal single-crystal growth via electromagnetic levitation. Review of Scientific Instruments, 2021, 92, 105105.	1.3	2
16	Detailed characterization of supported eutectic droplets using photoemission electron microscopy. Physical Review Materials, 2021, 5, .	2.4	4
17	Shining new light on the motion of eutectic droplets across surfaces: A PEEM study of PtGe on Ge(110). Physical Review Materials, 2021, 5, .	2.4	3
18	Anchoring and packing of self-assembled monolayers of semithio-bambusurils on Au(111). Molecular Systems Design and Engineering, 2020, 5, 511-520.	3.4	2

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19	Plasmonic Bubble Nucleation in Binary Liquids. Journal of Physical Chemistry C, 2020, 124, 2591-2597.	3.1	7
20	Nanoscale Work Function Contrast Induced by Decanethiol Self-Assembled Monolayers on Au(111). Langmuir, 2020, 36, 12745-12754.	3.5	9
21	Free energy of domain walls and order-disorder transition in a triangular lattice with anisotropic nearest-neighbor interactions. Physical Review E, 2020, 102, 032138.	2.1	4
22	Plasmonic Microbubble Dynamics in Binary Liquids. Journal of Physical Chemistry Letters, 2020, 11, 8631-8637.	4.6	10
23	On the mystery of the absence of a spin-orbit gap in scanning tunneling microscopy spectra of germanene. Journal of Semiconductors, 2020, 41, 082003.	3.7	5
24	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mtext>Germanium</mml:mtext><mml:mo>/</mml:mo><mml:msub><mml:mi>Al</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>O</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mtext>Al(111)</mml:mtext></mml:math> : Competition between the growth of germanene and intercalation. Physical Review B, 2020, 102, .	3.2	9
25	Structural Stability of Physisorbed Air-Oxidized Decanethiols on Au(111). Journal of Physical Chemistry C, 2020, 124, 11977-11984.	3.1	9
26	Image potential states of germanene. 2D Materials, 2020, 7, 035021.	4.4	25
27	Gasâ€“Vapor Interplay in Plasmonic Bubble Shrinkage. Journal of Physical Chemistry C, 2020, 124, 5861-5869.	3.1	22
28	Singularities and topologically protected states in twisted bilayer graphene. Applied Physics Letters, 2020, 116, 011602.	3.3	12
29	Identification of Semiconductive Patches in Thermally Processed Monolayer Oxoâ€Functionalized Graphene. Angewandte Chemie - International Edition, 2020, 59, 13657-13662.	13.8	31
30	Giant plasmonic bubbles nucleation under different ambient pressures. Physical Review E, 2020, 102, 063109.	2.1	7
31	Evaporation of Dilute Sodium Dodecyl Sulfate Droplets on a Hydrophobic Substrate. Langmuir, 2019, 35, 10453-10460.	3.5	17
32	Stoichiometric edges during the intrinsic growth of hexagonal boron nitride on Ir(111). New Journal of Physics, 2019, 21, 092001.	2.9	5
33	Plasmonic Bubble Nucleation and Growth in Water: Effect of Dissolved Air. Journal of Physical Chemistry C, 2019, 123, 23586-23593.	3.1	29
34	Self-assembly and wetting properties of gold nanorodâ€“CTAB molecules on HOPG. Beilstein Journal of Nanotechnology, 2019, 10, 696-705.	2.8	21
35	Charge puddles in germanene. Applied Physics Letters, 2019, 114, 041601.	3.3	11
36	Environmentally Controlled Charge Carrier Injection Mechanisms of Metal/WS2 Junctions. Journal of Physical Chemistry Letters, 2019, 10, 2578-2584.	4.6	10

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37	Nanoscale imaging of electric pathways in epitaxial graphene nanoribbons. Nano Research, 2019, 12, 1697-1702.	10.4	3
38	Tuning the Friction of Graphene on Mica by Alcohol Intercalation. Langmuir, 2019, 35, 4886-4892.	3.5	10
39	Control of the metal/WS₂ contact properties using 2-dimensional buffer layers. Nanoscale, 2019, 11, 5548-5556.	5.6	16
40	Polar edges and their consequences for the structure and shape of hBN islands. 2D Materials, 2019, 6, 035010.	4.4	7
41	Structural and electronic properties of the Î±-GeSe surface. Surface Science, 2019, 686, 17-21.	1.9	4
42	Universal Fermi-Level Pinning in Transition-Metal Dichalcogenides. Journal of Physical Chemistry C, 2019, 123, 5411-5420.	3.1	124
43	Barrier Inhomogeneities in Atomic Contacts on WS₂. Nano Letters, 2019, 19, 1190-1196.	9.1	14
44	Quantum size stabilization of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ge</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> nanofilms on Ge(001). Physical Review Materials, 2019, 3, .	2.4	2
45	Zipping-Depinning: Dissolution of Droplets on Micropatterned Concentric Rings. Langmuir, 2018, 34, 5396-5402.	3.5	10
46	Bandgap opening in hydrogenated germanene. Applied Physics Letters, 2018, 112, .	3.3	26
47	Local Conduction in Mo_xW_{1â€“x}Se₂: The Role of Stacking Faults, Defects, and Alloying. ACS Applied Materials & Interfaces, 2018, 10, 13218-13225.	8.0	24
48	Ordering of Air-Oxidized Decanethiols on Au(111). Journal of Physical Chemistry C, 2018, 122, 8430-8436.	3.1	12
49	Plasmonic Bubbles in n-Alkanes. Journal of Physical Chemistry C, 2018, 122, 28375-28381.	3.1	21
50	Germanene: Siliceneâ€™s Twin Sister. Nanoscience and Technology, 2018, , 255-267.	1.5	0
51	Ge2Pt hut clusters: A substrate for germanene. Journal of Applied Physics, 2018, 124, .	2.5	12
52	Ballistic tracks in graphene nanoribbons. Nature Communications, 2018, 9, 4426.	12.8	45
53	Nanoscale Investigation of Defects and Oxidation of HfSe₂. Journal of Physical Chemistry C, 2018, 122, 25498-25505.	3.1	17
54	Critical vacancy density for melting in two-dimensions: the case of high density Bi on Cu(111). New Journal of Physics, 2018, 20, 083045.	2.9	0

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55	Giant and explosive plasmonic bubbles by delayed nucleation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7676-7681.	7.1	76
56	Combined I(V) and dI(V)/dz scanning tunneling spectroscopy. AIP Advances, 2018, 8, 075013.	1.3	5
57	Entrapment and Dissolution of Microbubbles Inside Microwells. Langmuir, 2018, 34, 10659-10667.	3.5	15
58	Vapor and Gas-Bubble Growth Dynamics around Laser-Irradiated, Water-Immersed Plasmonic Nanoparticles. ACS Nano, 2017, 11, 2045-2051.	14.6	93
59	Graphene Visualizes the Ion Distribution on Air-Cleaved Mica. Scientific Reports, 2017, 7, 43451.	3.3	30
60	Ordinary and supernumerary resonant scattering of low energy electrons from the BiCu2(111) surface alloy. New Journal of Physics, 2017, 19, 013024.	2.9	2
61	Defect Dominated Charge Transport and Fermi Level Pinning in MoS₂/Metal Contacts. ACS Applied Materials & Interfaces, 2017, 9, 19278-19286.	8.0	177
62	Alloying, Dealloying, and Reentrant Alloying in (Sub)monolayer Growth of Ag on Pt(111). Journal of Physical Chemistry C, 2017, 121, 8353-8363.	3.1	2
63	Segregation in dissolving binary-component sessile droplets. Journal of Fluid Mechanics, 2017, 812, 349-369.	3.4	15
64	Charge Induced Dynamics of Water in a Grapheneâ€“Mica Slit Pore. Langmuir, 2017, 33, 11977-11985.	3.5	15
65	Step-edge Induced Orientation of Nanorods in Evaporative Self-assembly on HOPG. Colloids and Interface Science Communications, 2017, 19, 25-30.	4.1	5
66	Pressure-Induced Melting of Confined Ice. ACS Nano, 2017, 11, 12723-12731.	14.6	38
67	Spatially resolved electronic structure of twisted graphene. Physical Review B, 2017, 95, .	3.2	5
68	Chemical vapor deposition growth of bilayer graphene in between molybdenum disulfide sheets. Journal of Colloid and Interface Science, 2017, 505, 776-782.	9.4	8
69	Special issue on low-dimensional order mediated by interfaces. Journal of Physics Condensed Matter, 2017, 29, 100301.	1.8	0
70	Elemental Two-Dimensional Materials Beyond Graphene. ChemistrySelect, 2017, 2, .	1.5	0
71	Intercalation of Si between MoS₂ layers. Beilstein Journal of Nanotechnology, 2017, 8, 1952-1960.	2.8	27
72	Determining the energetics of vicinal perovskite oxide surfaces. AIP Advances, 2017, 7, 055302.	1.3	1

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73	Scanning tunneling spectroscopy study of the Dirac spectrum of germanene. Journal of Physics Condensed Matter, 2016, 28, 284006.	1.8	16
74	Growth of silicon on tungsten diselenide. Applied Physics Letters, 2016, 109, 243105.	3.3	7
75	A method to measure the thermovoltage with a high spatial resolution. Applied Physics Letters, 2016, 108, .	3.3	4
76	Coarsening dynamics of ice crystals intercalated between graphene and supporting mica. Applied Physics Letters, 2016, 108, .	3.3	17
77	Electronic end-states in platinum atom chains. Surface Science, 2016, 644, 91-94.	1.9	1
78	Role of natural convection in the dissolution of sessile droplets. Journal of Fluid Mechanics, 2016, 794, 45-67.	3.4	46
79	Electrochemical atomic force microscopy reveals potential stimulated height changes of redox responsive Cu-azurin on gold. European Polymer Journal, 2016, 83, 529-537.	5.4	10
80	Collective and convective effects compete in patterns of dissolving surface droplets. Soft Matter, 2016, 12, 5787-5796.	2.7	37
81	Gold-induced nanowires on the Ge(100) surface yield a 2D and not a 1D electronic structure. Physical Review B, 2016, 93, .	3.2	13
82	Structural and Electronic Properties of Germanene on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2016, 116, 256804.	7.8	329
83	Hydrophobic Ice Confined between Graphene and MoS₂. Journal of Physical Chemistry C, 2016, 120, 27079-27084.	3.1	71
84	Structure and Dynamics of Confined Alcoholâ€“Water Mixtures. ACS Nano, 2016, 10, 6762-6768.	14.6	36
85	Hydrodynamic confinement and capillary alignment of gold nanorods. Nanotechnology, 2016, 27, 025301.	2.6	8
86	Visualization of steps and surface reconstructions in Helium Ion Microscopy with atomic precision. Ultramicroscopy, 2016, 162, 17-24.	1.9	9
87	Electrochemically Induced Nanobubbles between Graphene and Mica. Langmuir, 2016, 32, 6582-6590.	3.5	17
88	Potential of lattice Boltzmann to model droplets on chemically stripe-patterned substrates. Applied Surface Science, 2016, 361, 122-132.	6.1	20
89	Intramolecular Imaging at Room Temperature. Physics Magazine, 2015, 8, .	0.1	0
90	Latent heat induced rotation limited aggregation in 2D ice nanocrystals. Journal of Chemical Physics, 2015, 143, 034702.	3.0	30

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91	Dynamics of copper-phthalocyanine molecules on Au/Ge(001). Journal of Chemical Physics, 2015, 143, 134303.	3.0	8
92	Closed-loop conductance scanning tunneling spectroscopy: demonstrating the equivalence to the open-loop alternative. Beilstein Journal of Nanotechnology, 2015, 6, 1116-1124.	2.8	2
93	Colloidal Route to Bio-inspired Hierarchical Superhydrophobic Substrates. Materials Today: Proceedings, 2015, 2, 5450-5454.	1.8	0
94	Water-Induced Blister Formation in a Thin Film Polymer. Langmuir, 2015, 31, 1017-1025.	3.5	24
95	Mixed mode of dissolving immersed nanodroplets at a solidâ€“water interface. Soft Matter, 2015, 11, 1889-1900.	2.7	65
96	Hydrophobic surfaces with tunable dynamic wetting properties via colloidal assembly of silica microspheres and gold nanoparticles. Journal of Sol-Gel Science and Technology, 2015, 74, 357-367.	2.4	12
97	The influence of instrumental parameters on the adhesion force in a flat-on-rough contact geometry. Applied Surface Science, 2015, 353, 1285-1290.	6.1	25
98	Step free energy of an arbitrarily oriented step on a rectangular lattice with nearest-neighbor interactions. Surface Science, 2015, 639, L1-L4.	1.9	6
99	Ordering and dynamics of oligo(phenylene ethynylene) self-assembled monolayers on Au(111). RSC Advances, 2015, 5, 42069-42074.	3.6	6
100	Evaporative gold nanorod assembly on chemically stripe-patterned gradient surfaces. Journal of Colloid and Interface Science, 2015, 449, 261-269.	9.4	11
101	Stick-Jump Mode in Surface Droplet Dissolution. Langmuir, 2015, 31, 4696-4703.	3.5	48
102	Two-dimensional Dirac signature of germanene. Applied Physics Letters, 2015, 107, .	3.3	67
103	In situspectroscopy of intrinsic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> insulator thin films and impact of extrinsic defects. Physical Review B, 2015, 92, .	3.7	39
104	Germanene: the germanium analogue of graphene. Journal of Physics Condensed Matter, 2015, 27, 443002.	1.8	304
105	Evaporation of elongated droplets on chemically stripe-patterned surfaces. International Journal of Heat and Mass Transfer, 2015, 82, 537-544.	4.8	36
106	Investigation of ionoluminescence of semiconductor materials using helium ion microscopy. Journal of Luminescence, 2015, 157, 321-326.	3.1	14
107	Single-Molecule Devices. , 2015, , 1-36.		0
108	Germanene termination of Ge₂Pt crystals on Ge(110). Journal of Physics Condensed Matter, 2014, 26, 442001.	1.8	145

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109	Spinodal decomposition driven formation of Pt-nanowires on Ge(001). New Journal of Physics, 2014, 16, 113052.	2.9	6
110	Creation and physical aspects of luminescent patterns using helium ion microscopy. Journal of Applied Physics, 2014, 115, .	2.5	11
111	Desorption of oxygen from alloyed Ag/Pt(111). Journal of Chemical Physics, 2014, 140, 234705.	3.0	5
112	Temperature-dependent formation and evolution of the interfacial dislocation network ofAg/Pt(111). Physical Review B, 2014, 89, .	3.2	7
113	Droplet impact on hydrophobic surfaces with hierarchical roughness. Surface Topography: Metrology and Properties, 2014, 2, 035002.	1.6	13
114	The influence of instrumental parameters on the adhesion force in a flat-on-flat contact geometry. Applied Surface Science, 2014, 308, 106-112.	6.1	25
115	Supramolecular Structure of Self-Assembled Monolayers of Ferrocenyl Terminated n-Alkanethiolates on Gold Surfaces. Langmuir, 2014, 30, 13447-13455.	3.5	30
116	Transition voltage spectroscopy of scanning tunneling microscopy vacuum junctions. RSC Advances, 2014, 4, 32438.	3.6	17
117	Dynamics of oligo(phenylene-ethynylene) self-assembled monolayers on Au(1 1 1). Chemical Physics Letters, 2014, 614, 45-48.	2.6	5
118	Can a silicene transistor be realized?. Nano Today, 2014, 9, 691-694.	11.9	26
119	Exposing nanobubble-like objects to a degassed environment. Soft Matter, 2014, 10, 4947.	2.7	70
120	Shape of Picoliter Droplets on Chemically Striped Patterned Substrates. Langmuir, 2014, 30, 11574-11581.	3.5	33
121	Shape-Induced Separation of Nanospheres and Aligned Nanorods. Langmuir, 2014, 30, 7953-7961.	3.5	35
122	Electronic and energetic properties of Ge(110) pentagons. Surface Science, 2014, 626, 1-5.	1.9	16
123	A high resolution ionoluminescence study of defect creation and interaction. Journal of Physics Condensed Matter, 2014, 26, 165401.	1.8	15
124	Research Update: Molecular electronics: The single-molecule switch and transistor. APL Materials, 2014, 2, 010701.	5.1	32
125	Lattice Boltzmann modeling of directional wetting: Comparing simulations to experiments. Physical Review E, 2013, 88, 013008.	2.1	34
126	Covering Surface Nanobubbles with a NaCl Nanoblanket. Langmuir, 2013, 29, 11337-11343.	3.5	26

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127	Electronically stabilized nanowire growth. Nature Communications, 2013, 4, 2387.	12.8	32
128	The instability of silicene on Ag(111). Applied Physics Letters, 2013, 103, .	3.3	79
129	Particle tracking around surface nanobubbles. Journal of Physics Condensed Matter, 2013, 25, 184009.	1.8	16
130	Physics in one dimension. Journal of Physics Condensed Matter, 2013, 25, 010301.	1.8	2
131	In Situ Observation of a Deprotonation-Driven Phase Transformation: 4,4â€²-Biphenyldicarboxylic Acid on Au(111). Journal of Physical Chemistry C, 2013, 117, 1020-1029.	3.1	15
132	Cobalt containing nano-islands on Ge(111)-c(2Ã—8). Surface Science, 2013, 610, 59-64.	1.9	6
133	Formation and decay of a compressed phase of 4,4â€²-biphenyldicarboxylic acid on Cu(001). Physical Chemistry Chemical Physics, 2013, 15, 5007.	2.8	8
134	Universal behaviour of domain wall meandering. Journal of Physics Condensed Matter, 2013, 25, 205301.	1.8	4
135	In-situ Observation of Organic Thin Film Growth on Graphene. Springer Series in Materials Science, 2013, , 107-139.	0.6	6
136	Selective metallization by seeded growth on patterned gold nanoparticle arrays. Journal of Applied Physics, 2013, 113, 233510.	2.5	4
137	Dynamics of Decanethiol Self-Assembled Monolayers on Au(111) Studied by Time-Resolved Scanning Tunneling Microscopy. Langmuir, 2013, 29, 2250-2257.	3.5	25
138	Imaging of Ti0.87O2 nanosheets using scanning tunneling spectroscopy. Applied Surface Science, 2013, 265, 201-204.	6.1	6
139	Molecular Dynamics and Energy Landscape of Decanethiolates in Self-Assembled Monolayers on Au(111) Studied by Scanning Tunneling Microscopy. Langmuir, 2013, 29, 3662-3667.	3.5	23
140	Interfering Bloch waves in a 1D electron system. Journal of Physics Condensed Matter, 2013, 25, 014014.	1.8	4
141	Decoupling of the copper core in a single copperphthalocyanine molecule. Journal of Chemical Physics, 2013, 138, 114302.	3.0	3
142	Innovative gold nanoparticle patterning and selective metallization. Materials Research Society Symposia Proceedings, 2013, 1547, 149-154.	0.1	0
143	Growth Anomalies in Supramolecular Networks:<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>4</mml:mn><mml:mo>,</mml:mo><mml:msup><mml:mn>4</mml:mn><mml:mo>â€²</mml:mo></mml:ms Acid on Cu(001). Physical Review Letters, 2013, 110, 076101.	7.8	6
144	Manipulating transport through a single-molecule junction. Journal of Chemical Physics, 2013, 139, 214709.	3.0	13

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145	Dynamics of the wetting-induced nanowire reconstruction of Au/Ge(001). Physical Review B, 2013, 88, .	3.2	15
146	Determining the local density of states in the constant current STM mode. Physical Review B, 2013, 88, .	3.2	14
147	Probing the thermal collapse of PNIPAM grafts by quantitative in situ ellipsometry. Materials Research Society Symposia Proceedings, 2013, 1544, 1.	0.1	0
148	Digging gold: keV He⁺ ion interaction with Au. Beilstein Journal of Nanotechnology, 2013, 4, 453-460.	2.8	37
149	Phase transformations of 4,4<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mo>â€²</mml:mo></mml:msup></mml:math>-biphenyldicarboxylic acid on Cu(001). Physical Review B, 2012, 85, .	3.2	11
150	Variable-temperature study of the transport through a single octanethiol molecule. Physical Review B, 2012, 86, .	3.2	11
151	Size Fluctuations of Near Critical Nuclei and Gibbs Free Energy for Nucleation of BDA on Cu(001). Physical Review Letters, 2012, 109, 016101.	7.8	13
152	Local probing of coupled interfaces between two-dimensional electron and hole gases in oxide heterostructures by variable-temperature scanning tunneling spectroscopy. Physical Review B, 2012, 86, .	3.2	13
153	The Art of Catching and Probing Single Molecules. Chimia, 2012, 66, 52.	0.6	2
154	Tuning the dipole-directed assembly of core-shell nickel-coated gold nanorods. Journal of Nanoparticle Research, 2012, 14, 1.	1.9	13
155	Probing the Thermal Collapse of Poly(N-isopropylacrylamide) Grafts by Quantitative in Situ Ellipsometry. Journal of Physical Chemistry B, 2012, 116, 9261-9268.	2.6	54
156	The influence of substrate temperature on growth of para-sexiphenyl thin films on Ir{111} supported graphene studied by LEEM. Surface Science, 2012, 606, 475-480.	1.9	21
157	Tuning Kinetics to Control Droplet Shapes on Chemically Striped Patterned Surfaces. Langmuir, 2012, 28, 13137-13142.	3.5	28
158	Origin of the Au/Ge(001) metallic state. Nature Physics, 2012, 8, 697-698.	16.7	16
159	Surface adhesion and its dependence on surface roughness and humidity measured with a flat tip. Applied Surface Science, 2012, 258, 6938-6942.	6.1	51
160	A colloidal route to fabricate hierarchical sticky and non-sticky substrates. Journal of Colloid and Interface Science, 2012, 385, 73-80.	9.4	28
161	Subsurface analysis of semiconductor structures with helium ion microscopy. Microelectronics Reliability, 2012, 52, 2104-2109.	1.7	15
162	Controlled transport through a single molecule. Journal of Physics Condensed Matter, 2012, 24, 082201.	1.8	11

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163	Directional Liquid Spreading over Chemically Defined Radial Wettability Gradients. ACS Applied Materials & Interfaces, 2012, 4, 4141-4148.	8.0	35
164	Growth and decay of hcp-like Cu hut-shaped structures on W(100). Physical Review B, 2012, 85, .	3.2	4
165	Nonintrusive Optical Visualization of Surface Nanobubbles. Physical Review Letters, 2012, 109, 066102.	7.8	135
166	Simulating Anisotropic Droplet Shapes on Chemically Striped Patterned Surfaces. Langmuir, 2012, 28, 499-505.	3.5	85
167	Channeling in helium ion microscopy: Mapping of crystal orientation. Beilstein Journal of Nanotechnology, 2012, 3, 501-506.	2.8	38
168	Imaging ultra thin layers with helium ion microscopy: Utilizing the channeling contrast mechanism. Beilstein Journal of Nanotechnology, 2012, 3, 507-512.	2.8	33
169	Electronâ€Induced Dynamics of Heptathioether Î²â€Cyclodextrin Molecules. Small, 2012, 8, 317-322.	10.0	3
170	Temperature Dependence of Surface Nanobubbles. ChemPhysChem, 2012, 13, 2213-2217.	2.1	39
171	Self-Organized Nanocavity Arrays on Pt/Ge(001). Journal of Physical Chemistry C, 2011, 115, 6726-6729.	3.1	2
172	Localized Plasmons in Noble Metal Nanospheroids. Journal of Physical Chemistry C, 2011, 115, 10321-10332.	3.1	53
173	Knudsen Gas Provides Nanobubble Stability. Physical Review Letters, 2011, 107, 116101.	7.8	114
174	Self-organization of SrRu03 nanowires on ordered oxide surface terminations. MRS Communications, 2011, 1, 17-21.	1.8	16
175	Smart Design of Stripe-Patterned Gradient Surfaces to Control Droplet Motion. Langmuir, 2011, 27, 11238-11245.	3.5	123
176	Molecular Bridges. Journal of Physical Chemistry C, 2011, 115, 2268-2272.	3.1	14
177	Vacancy-mediated diffusion of Co atoms embedded in Cu(001). Surface Science, 2011, 605, 1956-1961.	1.9	26
178	Surface Bubble Nucleation Stability. Physical Review Letters, 2011, 106, 056101.	7.8	108
179	Novel, highly selective gold nanoparticle patterning on surfaces using pure water. Journal of Colloid and Interface Science, 2011, 364, 304-310.	9.4	10
180	The structural and electronic properties of platinumâ€“germanide on Ge(111). Surface Science, 2011, 605, 507-512.	1.9	3

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181	Embedded Co islands on Ge(001). Surface Science, 2011, 605, 1129-1132.	1.9	8
182	A low energy electron microscopy study of the initial growth, structure, and thermal stability of 4,4â€²-biphenyldicarboxylic acid domains on Cu(001). Journal of Chemical Physics, 2011, 135, 124706.	3.0	9
183	Anomalous Decay of Electronically Stabilized Lead Mesas on Ni(111). Physical Review Letters, 2011, 107, 136103.	7.8	15
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