Peter Sutter

List of Publications by Year in descending order

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197 papers	12,389 citations	43973 48 h-index	27345 106 g-index
198 all docs	198 docs citations	198 times ranked	16073 citing authors

#	Article	IF	Citations
1	Multilayer Lateral Heterostructures of Van Der Waals Crystals with Sharp, Carrierâ€“Transparent Interfaces. Advanced Science, 2022, 9, e2103830.	5.6	12
2	Imaging Anisotropic Waveguide Exciton Polaritons in Tin Sulfide. Nano Letters, 2022, 22, 1497-1503.	4.5	11
3	1D Germanium Sulfide van der Waals Bicrystals by Vaporâ€“Liquidâ€“Solid Growth. ACS Nano, 2022, 16, 3735-3743.	7.3	8
4	Free-standing large, ultrathin germanium selenide van der Waals ribbons by combined vaporâ€“liquidâ€“solid growth and edge attachment. Nanoscale, 2022, 14, 6195-6201.	2.8	11
5	Van der Waals Nanowires with Continuously Variable Interlayer Twist and Twist Homojunctions. Advanced Functional Materials, 2021, 31, 2006412.	7.8	22
6	Single-strand DNA-nanorod conjugates â€“ tunable anisotropic colloids for on-demand self-assembly. Journal of Colloid and Interface Science, 2021, 586, 847-854.	5.0	3
7	Cathodoluminescence of Ultrathin Twisted Ge 1â€“ x Sn x S van der Waals Nanoribbon Waveguides. Advanced Materials, 2021, 33, 2006649.	11.1	17
8	Real-Time Electron Microscopy of Nanocrystal Synthesis, Transformations, and Self-Assembly in Solution. Accounts of Chemical Research, 2021, 54, 11-21.	7.6	10
9	Few-layer tin sulfide (SnS): Controlled synthesis, thickness dependent vibrational properties, and ferroelectricity. Nano Today, 2021, 37, 101082.	6.2	34
10	Optoelectronics and Nanophotonics of Vaporâ€“Liquidâ€“Solid Grown GaSe van der Waals Nanoribbons. Nano Letters, 2021, 21, 4335-4342.	4.5	25
11	Tunable Layer Orientation and Morphology in Vaporâ€“Liquidâ€“Solid Growth of One-Dimensional GeS van der Waals Nanostructures. Chemistry of Materials, 2021, 33, 3980-3988.	3.2	11
12	Unconventional van der Waals heterostructures beyond stacking. IScience, 2021, 24, 103050.	1.9	4
13	Ultrathin Twisted Germanium Sulfide van der Waals Nanowires by Bismuth Catalyzed Vaporâ€“Liquidâ€“Solid Growth. Small, 2021, 17, e2104784.	5.2	14
14	Large-Scale Layer-by-Layer Synthesis of Borophene on Ru(0001). Chemistry of Materials, 2021, 33, 8838-8843.	3.2	21
15	Frontiers in hybrid and interfacial materials chemistry research. MRS Bulletin, 2020, 45, 951-964.	1.7	6
16	DNA-Mediated Three-Dimensional Assembly of Hollow Auâ€“Ag Alloy Nanocages as Plasmonic Crystals. ACS Applied Nano Materials, 2020, 3, 8068-8074.	2.4	8
17	Synthesis and optoelectronic properties of ultrathin Ga2O3 nanowires. Journal of Materials Chemistry C, 2020, 8, 11555-11562.	2.7	10
18	Lateral Heterostructures of Multilayer GeS and SnS van der Waals Crystals. ACS Nano, 2020, 14, 12248-12255.	7.3	20

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19	Surface Passivation by Excess Sulfur for Controlled Synthesis of Large, Thin SnS Flakes. Chemistry of Materials, 2020, 32, 8034-8042.	3.2	28
20	Vaporâ€“Liquidâ€“Solid Growth and Optoelectronics of Gallium Sulfide van der Waals Nanowires. ACS Nano, 2020, 14, 6117-6126.	7.3	28
21	Universal mechanical exfoliation of large-area 2D crystals. Nature Communications, 2020, 11, 2453.	5.8	394
22	A Scalable Method for Thickness and Lateral Engineering of 2D Materials. ACS Nano, 2020, 14, 4861-4870.	7.3	14
23	Plasmonic Effects on the Growth of Ag Nanocrystals in Solution. Langmuir, 2020, 36, 2044-2051.	1.6	11
24	Few-Layer to Multilayer Germanium(II) Sulfide: Synthesis, Structure, Stability, and Optoelectronics. ACS Nano, 2019, 13, 9352-9362.	7.3	61
25	Single-Crystalline Î³-Ga₂S₃ Nanotubes via Epitaxial Conversion of GaAs Nanowires. Nano Letters, 2019, 19, 8903-8910.	4.5	8
26	Axial Heterostructures with Phase-Controlled Metastable Segments via Post-Growth Reactions of Ge Nanowires. Chemistry of Materials, 2019, 31, 8174-8181.	3.2	4
27	In situ electron microscopy of the self-assembly of single-stranded DNA-functionalized Au nanoparticles in aqueous solution. Nanoscale, 2019, 11, 34-44.	2.8	14
28	Wrapâ€Around Coreâ€“Shell Heterostructures of Layered Crystals. Advanced Materials, 2019, 31, e1902166.	11.1	28
29	Chiral twisted van der Waals nanowires. Nature, 2019, 570, 354-357.	13.7	117
30	Nanoparticle-Templated Thickness Controlled Growth, Thermal Stability, and Decomposition of Ultrathin Tin Sulfide Plates. Chemistry of Materials, 2019, 31, 2563-2570.	3.2	16
31	Self-organized twist-heterostructures via aligned van der Waals epitaxy and solid-state transformations. Nature Communications, 2019, 10, 5528.	5.8	27
32	In Situ Atomic Force Microscopy of the Reconfiguration of Onâ€Surface Selfâ€Assembled DNAâ€Nanoparticle Superlattices. Advanced Functional Materials, 2019, 29, 1806924.	7.8	12
33	Scanning Tunneling Microscopy in Surface Science. Springer Handbooks, 2019, , 1331-1368.	0.3	2
34	Formation of Geâ€“GeS coreâ€“shell nanostructures via solid-state sulfurization of Ge nanowires. CrystEngComm, 2018, 20, 2193-2200.	1.3	3
35	1D Wires of 2D Layered Materials: Germanium Sulfide Nanowires as Efficient Light Emitters. ACS Applied Nano Materials, 2018, 1, 1042-1049.	2.4	40
36	Bias-Dependent Scanning Tunneling Microscopy Signature of Bridging-Oxygen Vacancies on Rutile TiO₂(110). ACS Omega, 2018, 3, 6540-6545.	1.6	5

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37	Radiation damage during in situ electron microscopy of DNA-mediated nanoparticle assemblies in solution. Nanoscale, 2018, 10, 12674-12682.	2.8	14
38	Growth Mechanisms of Anisotropic Layered Group IV Chalcogenides on van der Waals Substrates for Energy Conversion Applications. ACS Applied Nano Materials, 2018, 1, 3026-3034.	2.4	43
39	Germanium Sulfide Nano-Optics Probed by STEM-Cathodoluminescence Spectroscopy. Nano Letters, 2018, 18, 4576-4583.	4.5	34
40	Thick Layered Semiconductor Devices with Water Top-Gates: High Onâ€“Off Ratio Field-Effect Transistors and Aqueous Sensors. ACS Applied Materials & Interfaces, 2018, 10, 23198-23207.	4.0	14
41	In Situ Electron Microscopy of Plasmon-Mediated Nanocrystal Synthesis. Journal of the American Chemical Society, 2017, 139, 6771-6776.	6.6	35
42	Defect-Laden MoSe₂Quantum Dots Made by Turbulent Shear Mixing as Enhanced Electrocatalysts. Small, 2017, 13, 1700565.	5.2	31
43	Ensemble Control of Kondo Screening in Molecular Adsorbates. Journal of Physical Chemistry Letters, 2017, 8, 1837-1844.	2.1	11
44	In situ liquid cell electron microscopy of Agâ€“Au galvanic replacement reactions. Nanoscale, 2017, 9, 1271-1278.	2.8	26
45	Atomic-Step-Induced Local Nonequilibrium Effects on Surface Oxidation. Journal of Physical Chemistry C, 2017, 121, 22846-22853.	1.5	10
46	Engineering and modifying two-dimensional materials by electron beams. MRS Bulletin, 2017, 42, 667-676.	1.7	62
47	Relationship between bulk phase, near surface and outermost atomic layer of VPO catalysts and their catalytic performance in the oxidative dehydrogenation of ethane. Journal of Catalysis, 2017, 354, 236-249.	3.1	22
48	Termination of Ge surfaces with ultrathin GeS and GeS₂ layers via solid-state sulfurization. Physical Chemistry Chemical Physics, 2017, 19, 32473-32480.	1.3	25
49	Luminescence of defects in the structural transformation of layered tin dichalcogenides. Applied Physics Letters, 2017, 111, .	1.5	16
50	Configuration-specific electronic structure of strongly interacting interfaces: TiOPc on Cu(110). Physical Review B, 2017, 96, .	1.1	7
51	Two-color field enhancement at an STM junction for spatiotemporally resolved photoemission. Optics Letters, 2017, 42, 2651.	1.7	4
52	Hybrid quantum dot-tin disulfide field-effect transistors with improved photocurrent and spectral responsivity. Applied Physics Letters, 2016, 108, .	1.5	23
53	Tuning the Growth Mode of 3D Silver Nanocrystal Superlattices by Triphenylphosphine. Chemistry of Materials, 2016, 28, 4380-4389.	3.2	21
54	Nonradiative Energy Transfer from Individual CdSe/ZnS Quantum Dots to Single-Layer and Few-Layer Tin Disulfide. ACS Nano, 2016, 10, 4790-4796.	7.3	87

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55	High-Resolution Tracking Asymmetric Lithium Insertion and Extraction and Local Structure Ordering in SnS₂. Nano Letters, 2016, 16, 5582-5588.	4.5	58
56	Non-destructive measurement of photoexcited carrier transport in graphene with ultrafast grating imaging technique. Carbon, 2016, 107, 233-239.	5.4	18
57	Interaction of Black Phosphorus with Oxygen and Water. Chemistry of Materials, 2016, 28, 8330-8339.	3.2	436
58	In situ microscopy of the self-assembly of branched nanocrystals in solution. Nature Communications, 2016, 7, 11213.	5.8	91
59	Correction: Alloy oxidation as a route to chemically active nanocomposites of gold atoms in a reducible oxide matrix. Nanoscale Horizons, 2016, 1, 331-331.	4.1	0
60	Electron-Beam Induced Transformations of Layered Tin Dichalcogenides. Nano Letters, 2016, 16, 4410-4416.	4.5	109
61	Direct Measurement of the Tunable Electronic Structure of Bilayer MoS₂ by Interlayer Twist. Nano Letters, 2016, 16, 953-959.	4.5	113
62	Role of RuO₂(100) in surface oxidation and CO oxidation catalysis on Ru(0001). Physical Chemistry Chemical Physics, 2016, 18, 213-219.	1.3	15
63	Alloy oxidation as a route to chemically active nanocomposites of gold atoms in a reducible oxide matrix. Nanoscale Horizons, 2016, 1, 212-219.	4.1	6
64	Oxidation of the Ru(0001) surface covered by weakly bound, ultrathin silicate films. Surface Science, 2016, 646, 19-25.	0.8	28
65	Sticking with the Pointy End? Molecular Configuration of Chloro Boron-Subphthalocyanine on Cu(111). Journal of Physical Chemistry C, 2016, 120, 7113-7121.	1.5	11
66	Orbital-Resolved Imaging of the Adsorbed State of Pyridine on GaP(110) Identifies Sites Susceptible to Nucleophilic Attack. Journal of Physical Chemistry C, 2015, 119, 28917-28924.	1.5	8
67	Barrier-free subsurface incorporation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>3</mml:mn><mml:mi>d</mml:mi></mml:mrow></mml:math> atoms into Bi(111) films. Physical Review B, 2015, 91, .	1.1	9
68	Selective Cooperative Self-Assembly between an Organic Semiconductor and Native Adatoms on Cu(110). Journal of Physical Chemistry C, 2015, 119, 27416-27425.	1.5	11
69	Layer-dependent electronic structure of an atomically heavy two-dimensional dichalcogenide. Physical Review B, 2015, 91, .	1.1	85
70	Sub-50-nm self-assembled nanotextures for enhanced broadband antireflection in silicon solar cells. Nature Communications, 2015, 6, 5963.	5.8	230
71	Observation of Surface-Bound Negatively Charged Hydride and Hydroxide on GaP(110) in H₂O Environments. Journal of Physical Chemistry C, 2015, 119, 17762-17772.	1.5	39
72	Oxidation-driven surface dynamics on NiAl(100). Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E103-9.	3.3	36

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73	Nanoscale Auâ€“In Alloyâ€“Oxide Coreâ€“Shell Particles as Electrocatalysts for Efficient Hydroquinone Detection. Journal of Physical Chemistry C, 2015, 119, 25100-25107.	1.5	12
74	Characterization of one-dimensional molecular chains of 4,4â€²-biphenyl diisocyanide on Au(111) by scanning tunneling microscopy. Journal of Chemical Physics, 2015, 142, 101901.	1.2	8
75	Nitrogen-Doping Induced Self-Assembly of Graphene Nanoribbon-Based Two-Dimensional and Three-Dimensional Metamaterials. Nano Letters, 2015, 15, 5770-5777.	4.5	80
76	In Situ Ambient Pressure X-ray Photoelectron Spectroscopy Studies of Methanol Oxidation on Pt(111) and Ptâ€“Re Alloys. Journal of Physical Chemistry C, 2015, 119, 23082-23093.	1.5	20
77	Substrate interactions with suspended and supported monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>: Angle-resolved photoemission spectroscopy. Physical Review B, 2015, 91, .	1.1	56
78	Reliable Exfoliation of Large-Area High-Quality Flakes of Graphene and Other Two-Dimensional Materials. ACS Nano, 2015, 9, 10612-10620.	7.3	451
79	In Situ Studies of Carbon Monoxide Oxidation on Platinum and Platinumâ€“Rhenium Alloy Surfaces. Journal of Physical Chemistry C, 2015, 119, 381-391.	1.5	25
80	Growth of two-dimensional materials on non-catalytic substrates: h-BN/Au(111). 2D Materials, 2014, 1, 025003.	2.0	44
81	Oxidation of palladium on Au(111) and ZnO(0001) supports. Journal of Chemical Physics, 2014, 141, 154702.	1.2	5
82	Thickness determination of few-layer hexagonal boron nitride films by scanning electron microscopy and Auger electron spectroscopy. APL Materials, 2014, 2, .	2.2	25
83	Determination of Redox Reaction Rates and Orders by In Situ Liquid Cell Electron Microscopy of Pd and Au Solution Growth. Journal of the American Chemical Society, 2014, 136, 16865-16870.	6.6	49
84	Sizeâ€Đependent Room Temperature Oxidation of Tin Particles. Particle and Particle Systems Characterization, 2014, 31, 879-885.	1.2	14
85	The Crystallization of Amorphous Aluminum Oxide Thin Films Grown on <scp><scp>NiAl</scp></scp>(100). Journal of the American Ceramic Society, 2014, 97, 2762-2769.	1.9	27
86	Tin Disulfideâ€”An Emerging Layered Metal Dichalcogenide Semiconductor: Materials Properties and Device Characteristics. ACS Nano, 2014, 8, 10743-10755.	7.3	449
87	Nanoscale Integration of Two-Dimensional Materials by Lateral Heteroepitaxy. Nano Letters, 2014, 14, 4846-4851.	4.5	88
88	Key Structureâ€“Property Relationships in CO₂ Capture by Supported Alkanolamines. Journal of Physical Chemistry C, 2014, 118, 19252-19258.	1.5	8
89	Hydrogen-Bonded Cyclic Water Clusters Nucleated on an Oxide Surface. Journal of the American Chemical Society, 2014, 136, 13283-13288.	6.6	32
90	In situ liquid-cell electron microscopy of silverâ€“palladium galvanic replacement reactions on silver nanoparticles. Nature Communications, 2014, 5, 4946.	5.8	171

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91	Probing substrate-dependent long-range surface structure of single-layer and multilayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Mo</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>by low-energy electron microscopy and microprobe diffraction. Physical Review B, 2014, 89, .	1.1	16
92	In-Situ Liquid Cell Electron Microscopy of the Solution Growth of Core-Shell Nanostructures. Microscopy and Microanalysis, 2014, 20, 1504-1505.	0.2	0
93	Experimental observation of spin-exchange-induced dimerization of an atomic one-dimensional system. Physical Review B, 2013, 87, .	1.1	13
94	Direct Measurement of the Thickness-Dependent Electronic Band Structure of<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>Using Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2013, 111, 106801.	2.9	435
95	Mechanical Decoupling of Graphene from Ru(0001) by Interfacial Reaction with Oxygen. Journal of Physical Chemistry C, 2013, 117, 6320-6324.	1.5	41
96	Interactions of Hydrogen, CO, Oxygen, and Water with Molybdenum-Modified Pt(111). Journal of Physical Chemistry C, 2013, 117, 26716-26724.	1.5	14
97	Graphene on Ru(0001) MoirÃ© Corrugation Studied by Scanning Tunneling Microscopy on Au/Graphene/Ru(0001) Heterostructures. Journal of Physical Chemistry C, 2013, 117, 20675-20680.	1.5	11
98	Isolation of high quality graphene from Ru by solution phase intercalation. Applied Physics Letters, 2013, 103, .	1.5	22
99	Scalable Synthesis of Uniform Few-Layer Hexagonal Boron Nitride Dielectric Films. Nano Letters, 2013, 13, 276-281.	4.5	186
100	Microscopy of Graphene Growth, Processing, and Properties. Advanced Functional Materials, 2013, 23, 2617-2634.	7.8	35
101	In Situ Liquid Cell Electron Microscopy of the Solution Growth of Auâ€“Pd Coreâ€“Shell Nanostructures. Nano Letters, 2013, 13, 2964-2970.	4.5	164
102	Carbon monoxide-induced reduction and healing of graphene oxide. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	0.9	17
103	Oxidation of nanoscale Auâ€“In alloy particles as a possible route toward stable Au-based catalysts. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10519-10524.	3.3	28
104	Templating of arrays of Ru nanoclusters by monolayer graphene/Ru MoirÃ©s with different periodicities. Journal of Physics Condensed Matter, 2012, 24, 314201.	0.7	11
105	Enhanced oxidation of nanoscale In particles at the interface with a Si nanowire. Applied Physics Letters, 2012, 100, 231602.	1.5	6
106	Site-Dependent Activity of Atomic Ti Catalysts in Al-Based Hydrogen Storage Materials. Journal of the American Chemical Society, 2012, 134, 10381-10384.	6.6	17
107	Manipulation of Electronic Transport in the Bi(111) Surface State. Physical Review Letters, 2012, 108, 266804.	2.9	22
108	Size-Dependent Room Temperature Oxidation of In Nanoparticles. Journal of Physical Chemistry C, 2012, 116, 20574-20578.	1.5	33

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109	Monolayer graphene growth on Ni(111) by low temperature chemical vapor deposition. Applied Physics Letters, 2012, 100, .	1.5	169
110	Interface Formation in Monolayer Graphene-Boron Nitride Heterostructures. Nano Letters, 2012, 12, 4869-4874.	4.5	256
111	Realâ€Time Microscopy of Graphene Growth on Epitaxial Metal Films: Role of Template Thickness and Strain. Small, 2012, 8, 2250-2257.	5.2	21
112	Graphene monolayer rotation on Ni(111) facilitates bilayer graphene growth. Applied Physics Letters, 2012, 100, .	1.5	44
113	Two-Color Ultrafast Photoexcited Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2011, 115, 10033-10043.	1.5	31
114	CO₂ Adsorption, Diffusion, and Electron-Induced Chemistry on Rutile TiO₂(110): A Low-Temperature Scanning Tunneling Microscopy Study. Journal of Physical Chemistry C, 2011, 115, 12095-12105.	1.5	55
115	Adsorption Structures and Electronic Properties of 1,4-Phenylene Diisocyanide on the Au(111) Surface. Journal of Physical Chemistry C, 2011, 115, 21151-21160.	1.5	36
116	Interactions of same-row oxygen vacancies on rutile TiO2(110). Physical Review B, 2011, 84, .	1.1	2
117	Chemical Vapor Deposition and Etching of High-Quality Monolayer Hexagonal Boron Nitride Films. ACS Nano, 2011, 5, 7303-7309.	7.3	183
118	Giant carbon solubility in Au nanoparticles. Journal of Materials Science, 2011, 46, 7090-7097.	1.7	33
119	Arrays of Ru nanoclusters with narrow size distribution templated by monolayer graphene on Ru. Surface Science, 2011, 605, 1676-1684.	0.8	70
120	A high-reflectivity, ambient-stable graphene mirror for neutral atomic and molecular beams. Applied Physics Letters, 2011, 99, .	1.5	29
121	Supercooling of nanoscale Ga drops with controlled impurity levels. Physical Review B, 2011, 84, .	1.1	13
122	Formation and stabilization of single-crystalline metastable AuGe phases in Ge nanowires. Nanotechnology, 2011, 22, 295605.	1.3	25
123	Vaporâ€“liquidâ€“solid growth and Sb doping of Ge nanowires fromÂaÂliquid Au-Sb-Ge ternary alloy. Applied Physics A: Materials Science and Processing, 2010, 99, 217-221.	1.1	9
124	Monolayer graphene as ultimate chemical passivation layer for arbitrarily shaped metal surfaces. Carbon, 2010, 48, 4414-4420.	5.4	92
125	Visualization of charge transport through Landau levels in graphene. Nature Physics, 2010, 6, 870-874.	6.5	23
126	Highly polarized Raman scattering anisotropy in single GaN nanowires. Applied Physics Letters, 2010, 96, 091907.	1.5	38

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127	Enhanced light scattering of the forbidden longitudinal optical phonon mode studied by micro-Raman spectroscopy on single InN nanowires. Nanotechnology, 2010, 21, 315702.	1.3	20
128	Chemistry under Cover: Tuning Metalâ^'Graphene Interaction by Reactive Intercalation. Journal of the American Chemical Society, 2010, 132, 8175-8179.	6.6	310
129	Mechanism of Electron-Induced Hydrogen Desorption from Hydroxylated Rutile TiO₂ (110). Journal of Physical Chemistry C, 2010, 114, 21510-21515.	1.5	29
130	Size-Dependent Phase Diagram of Nanoscale Alloy Drops Used in Vaporâ^'Liquidâ^'Solid Growth of Semiconductor Nanowires. ACS Nano, 2010, 4, 4943-4947.	7.3	67
131	Graphene growth on epitaxial Ru thin films on sapphire. Applied Physics Letters, 2010, 97, .	1.5	92
132	One-step synthesis of Geâ€“SiO2 core-shell nanowires. Applied Physics Letters, 2009, 94, 083109.	1.5	15
133	Nanoscale analysis of Ru(0001) oxidation using low-energy and photoemission electron microscopy. Journal of Physics Condensed Matter, 2009, 21, 314018.	0.7	15
134	Temperature dependent low energy electron microscopy study of Ge island growth on bare and Ga terminated Si(112). Journal of Physics Condensed Matter, 2009, 21, 314020.	0.7	5
135	From nanoislands to nanowires: Growth of germanium on galliumâ€terminated silicon surfaces. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1718-1722.	0.8	6
136	How silicon leaves the scene. Nature Materials, 2009, 8, 171-172.	13.3	330
137	Water Nucleation on Gold: Existence of a Unique Double Bilayer. Journal of Physical Chemistry C, 2009, 113, 15102-15105.	1.5	55
138	Scanning tunneling microscopy on epitaxial bilayer graphene on ruthenium (0001). Applied Physics Letters, 2009, 94, .	1.5	115
139	Graphene growth on polycrystalline Ru thin films. Applied Physics Letters, 2009, 95, .	1.5	96
140	Electronic Structure of Few-Layer Epitaxial Graphene on Ru(0001). Nano Letters, 2009, 9, 2654-2660.	4.5	219
141	Graphene on Pt(111): Growth and substrate interaction. Physical Review B, 2009, 80, .	1.1	565
142	Epitaxial graphene on ruthenium. Nature Materials, 2008, 7, 406-411.	13.3	2,174
143	Phase Diagram of Nanoscale Alloy Particles Used for Vaporâ^'Liquidâ^'Solid Growth of Semiconductor Nanowires. Nano Letters, 2008, 8, 411-414.	4.5	123
144	Selective growth of Ge nanowires by low-temperature thermal evaporation. Nanotechnology, 2008, 19, 435607.	1.3	37

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145	Structural imaging of surface oxidation and oxidation catalysis on Ru(0001). Physical Review B, 2008, 78, .	1.1	51
146	In situstructural imaging of CO oxidation catalysis on oxidized Rh(111). Physical Review B, 2008, 78, .	1.1	34
147	Surface thermomigration of nanoscale Pt-Si droplets on stepped Si(100). Physical Review B, 2007, 76, .	1.1	14
148	Steering Liquid Pt-Si Nanodroplets on Si(100) by Interactions with Surface Steps. Physical Review Letters, 2007, 99, 125504.	2.9	17
149	Short-range order of low-coverage Tiâ•Al(111): Implications for hydrogen storage in complex metal hydrides. Applied Physics Letters, 2007, 90, 151917.	1.5	15
150	Assembly of ordered carbon shells on GaN nanowires. Applied Physics Letters, 2007, 90, 093118.	1.5	16
151	Scanning Tunneling Microscopy in Surface Science. , 2007, , 969-1024.		2
152	A new soft X-ray photoemission microscopy beamline at the National Synchrotron Light Source. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 855-858.	0.6	25
153	Dispensing and surface-induced crystallization of zeptolitre liquid metal-alloyÂdrops. Nature Materials, 2007, 6, 363-366.	13.3	97
154	Assembly and interaction of Au/C core-shell nanoparticles. Surface Science, 2006, 600, 3654-3658.	0.8	10
155	Au-Induced Encapsulation of Ge Nanowires in Protective C Shells. Advanced Materials, 2006, 18, 2583-2588.	11.1	50
156	Mechanisms of thermally induced dewetting of ultrathin silicon-on-insulator. Applied Physics Letters, 2006, 88, 141924.	1.5	31
157	Assembly of Ge nanocrystals on SiO2via a stress-induced dewetting process. Nanotechnology, 2006, 17, 3724-3727.	1.3	28
158	Barrierless self-assembly of Ge quantum dots on Si(001) substrates with high local vicinality. Applied Physics Letters, 2005, 87, 161916.	1.5	14
159	Beyond the heteroepitaxial quantum dot: Self-assembling complex nanostructures controlled by strain and growth kinetics. Physical Review B, 2005, 72, .	1.1	51
160	Assembly and Interaction of Au/C Coreâ˜Shell Nanostructures:Â In Situ Observation in the Transmission Electron Microscope. Nano Letters, 2005, 5, 2092-2096.	4.5	60
161	Scanning tunneling microscopy on ultrathin silicon on insulator (100). Applied Physics Letters, 2004, 85, 3148-3150.	1.5	11
162	High-resolution mapping of nonuniform carrier transport at contacts to polycrystalline CdTe/CdS solar cells. Applied Physics Letters, 2004, 84, 2100-2102.	1.5	26

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163	Extended shape evolution of low mismatch Si1â^'xGex alloy islands on Si(100). Applied Physics Letters, 2004, 84, 2262-2264.	1.5	73
164	Spontaneous transition from epitaxially constrained to equilibrium Ge nanocrystals on silicon-on-insulator (). Surface Science, 2003, 532-535, 785-788.	0.8	9
165	Semiconductor tips with engineered electronic structure for spectroscopic scanning tunneling microscopy. Surface Science, 2003, 532-535, 1166-1170.	0.8	1
166	Nanoscale strain and band structure engineering using epitaxial stressors on ultrathin silicon-on-insulator. Surface Science, 2003, 532-535, 789-794.	0.8	6
167	Initial Surface Roughening inGe/Si(001)Heteroepitaxy Driven by Step-Vacancy Line Interaction. Physical Review Letters, 2003, 91, 176102.	2.9	34
168	Continuous formation and faceting of SiGe islands on Si(100). Applied Physics Letters, 2003, 82, 3454-3456.	1.5	36
169	Energy-Filtered Scanning Tunneling Microscopy using a Semiconductor Tip. Physical Review Letters, 2003, 90, 166101.	2.9	26
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