Philip Hofmann

List of Publications by Year
in descending order

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252	13,043	23567	28297
papers	citations	58 h-index	105 g-index

256	256	256	12265
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Uniaxially Aligned 1D Sandwich-Molecular Wires: Electronic Structure and Magnetism. Journal of Physical Chemistry C, 2022, 126, 3140-3150.	3.1	4
2	Single-crystal graphene on Ir(110). Physical Review B, 2022, 105, .	3.2	7
3	Visualizing band structure hybridization and superlattice effects in twisted MoS₂/WS₂ heterobilayers. 2D Materials, 2022, 9, 015032.	4.4	9
4	Fermi surface tomography. Nature Communications, 2022, 13, .	12.8	6
5	Inelastic helium atom scattering from Sb2Te3(111): phonon dispersion, focusing effects and surfing. Physical Chemistry Chemical Physics, 2021, 23, 7806-7813.	2.8	4
6	Structural and electronic inhomogeneity of superconducting Nb-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Bi</mml:mi></mml:mrow><mml:mn>2</mml:mn> Physical Review B, 2021, 103, .	3.2	9
7	Ultrafast Triggering of Insulatorâ€“Metal Transition in Two-Dimensional VSe₂. Nano Letters, 2021, 21, 1968-1975.	9.1	11
8	In Operando Angleâ€Resolved Photoemission Spectroscopy with Nanoscale Spatial Resolution: Spatial Mapping of the Electronic Structure of Twisted Bilayer Graphene. Small Science, 2021, 1, 2000075.	9.9	8
9	MoirÃ©-induced electronic structure modifications in monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> on Au(111). Physical Review B, 2021, 103, .	3.2	3
10	Electronic properties of single-layer CoO₂/Au(111). 2D Materials, 2021, 8, 035050.	4.4	7
11	Switching of the electron-phonon interaction in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi> assisted by hot carriers. Physical Review B, 2021, 103, .	3.2	6
12	Accessing the spectral function of in operando devices by angle-resolved photoemission spectroscopy. AVS Quantum Science, 2021, 3, 021101.	4.9	15
13	Spectroscopic view of ultrafast charge carrier dynamics in single- and bilayer transition metal dichalcogenide semiconductors. Journal of Electron Spectroscopy and Related Phenomena, 2021, 250, 147093.	1.7	9
14	Assessment of myelination in infants and young children by T1 relaxation time measurements using the magnetization-prepared 2 rapid acquisition gradient echoes sequence. Pediatric Radiology, 2021, 51, 2058-2068.	2.0	9
15	Disorder-induced time effect in the antiferromagnetic domain state of Fe1+Te. Journal of Magnetism and Magnetic Materials, 2021, 540, 168426.	2.3	0
16	Tuning the Doping of Epitaxial Graphene on a Conventional Semiconductor via Substrate Surface Reconstruction. Journal of Physical Chemistry Letters, 2021, 12, 1262-1267.	4.6	4
17	Ultrafast electronic linewidth broadening in the C <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>s</mml:mi> core level of graphene. Physical Review B, 2021, 104, .	3.2	10
18	Anisotropic strain in epitaxial single-layer molybdenum disulfide on Ag(110). Nanoscale, 2021, 13, 18789-18798.	5.6	5

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19	Bulk band structure of Sb₂Te₃ determined by angle-resolved photoemission spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 26401-26406.	2.8	3
20	Proximity Effects on the Charge Density Wave Order and Superconductivity in Single-Layer NbSe₂. ACS Nano, 2021, 15, 19430-19438.	14.6	35
21	Van Hove Singularities: Observation of Electrically Tunable van Hove Singularities in Twisted Bilayer Graphene from NanoARPES (Adv. Mater. 31/2020). Advanced Materials, 2020, 32, 2070230.	21.0	0
22	Observation of an Excitonic Mott Transition Through Ultrafast Core- cum -Conduction Photoemission Spectroscopy. Physical Review Letters, 2020, 125, 096401.	7.8	35
23	Observation and origin of the Î” manifold in Si:P Î´ layers. Physical Review B, 2020, 101, .	3.2	13
24	Decoupling Molybdenum Disulfide from Its Substrate by Cesium Intercalation. Journal of Physical Chemistry C, 2020, 124, 12397-12408.	3.1	9
25	Momentum-resolved view of highly tunable many-body effects in a graphene/hBN field-effect device. Physical Review B, 2020, 101, .	3.2	13
26	Observation of Electrically Tunable van Hove Singularities in Twisted Bilayer Graphene from NanoARPES. Advanced Materials, 2020, 32, 2001656.	21.0	25
27	The sub-band structure of atomically sharp dopant profiles in silicon. Npj Quantum Materials, 2020, 5, .	5.2	15
28	Crediting multi-authored papers to single authors. Physica A: Statistical Mechanics and Its Applications, 2020, 554, 124652.	2.6	4
29	Dynamic Quantum Matter. Annalen Der Physik, 2020, 532, 2000037.	2.4	1
30	The occupied electronic structure of ultrathin boron doped diamond. Nanoscale Advances, 2020, 2, 1358-1364.	4.6	5
31	Nanoscopic diffusion of water on a topological insulator. Nature Communications, 2020, 11, 278.	12.8	19
32	Time- and momentum-resolved photoemission studies using time-of-flight momentum microscopy at a free-electron laser. Review of Scientific Instruments, 2020, 91, 013109.	1.3	72
33	An open-source, end-to-end workflow for multidimensional photoemission spectroscopy. Scientific Data, 2020, 7, 442.	5.3	14
34	Accessing the Spectral Function in a Current-Carrying Device. Physical Review Letters, 2020, 125, 236403.	7.8	12
35	Terahertz surface modes and electron-phonon coupling on <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> (111). Physical Review Research, 2020, 2, .	2.6	21
36	Influence of an Anomalous Temperature Dependence of the Phase Coherence Length on the Conductivity of Magnetic Topological Insulators. Physical Review Letters, 2019, 123, 036406.	7.8	13

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37	Nanoscale mapping of quasiparticle band alignment. Nature Communications, 2019, 10, 3283.	12.8	20
38	Basal plane oxygen exchange of epitaxial MoS ₂ without edge oxidation. 2D Materials, 2019, 6, 045013.	4.4	22
39	A universal approach for the synthesis of two-dimensional binary compounds. Nature Communications, 2019, 10, 2957.	12.8	93
40	Strong-coupling charge density wave in a one-dimensional topological metal. Physical Review B, 2019, 99, .	3.2	15
41	Transient hot electron dynamics in single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TaS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2019, 99, .	3.2	13
42	Dynamic cerebellar herniation in Chiari patients during the cardiac cycle evaluated by dynamic magnetic resonance imaging. Neuroradiology, 2019, 61, 825-832.	2.2	4
43	The h-index and multi-author hm-index for individual researchers in condensed matter physics. Scientometrics, 2019, 119, 171-185.	3.0	8
44	Anisotropic Two-Dimensional Screening at the Surface of Black Phosphorus. Physical Review Letters, 2019, 123, 216403.	7.8	21
45	80% Valley Polarization of Free Carriers in Singly Oriented Single-Layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> on Au(111). Physical Review Letters, 2019, 123, 236802.	7.8	27
46	Momentum-resolved linear dichroism in bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2019, 100, .	3.2	12
47	Layer and orbital interference effects in photoemission from transition metal dichalcogenides. Physical Review B, 2019, 100, .	3.2	11
48	Pseudodoping of a metallic two-dimensional material by the supporting substrate. Nature Communications, 2019, 10, 180.	12.8	30
49	Electronâ€“phonon coupling in single-layer MoS2. Surface Science, 2019, 681, 64-69.	1.9	7
50	Growth and structure of singly oriented single-layer tungsten disulfide on Au(111). Physical Review Materials, 2019, 3, .	2.4	18
51	Epitaxial single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NbS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> on Au(111): Synthesis, structure, and electronic properties. Physical Review Materials, 2019, 3, .	2.4	22
52	Electronic structure of Fe_{1.08}Te bulk crystals and epitaxial FeTe thin films on Bi₂Te₃. Journal of Physics Condensed Matter, 2018, 30, 065502.	1.8	7
53	Enhanced spin-ordering temperature in ultrathin FeTe films grown on a topological insulator. Physical Review B, 2018, 97, .	3.2	7
54	Domain imaging across the magneto-structural phase transitions in Fe1+yTe. Npj Quantum Materials, 2018, 3, .	5.2	8

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55	Epitaxial growth of single-orientation high-quality MoS ₂ monolayers. 2D Materials, 2018, 5, 035012.	4.4	65
56	Simultaneous Conduction and Valence Band Quantization in Ultrashallow High-Density Doping Profiles in Semiconductors. Physical Review Letters, 2018, 120, 046403.	7.8	7
57	Fragility of the Dirac Cone Splitting in Topological Crystalline Insulator Heterostructures. ACS Nano, 2018, 12, 617-626.	14.6	7
58	Exciting H₂ Molecules for Graphene Functionalization. ACS Nano, 2018, 12, 513-520.	14.6	24
59	A Helium-Surface Interaction Potential of Bi2Te3(111) from Ultrahigh-Resolution Spin-Echo Measurements. Surface Science, 2018, 678, 25-31.	1.9	12
60	Photoemission investigation of oxygen intercalated epitaxial graphene on Ru(0001). Surface Science, 2018, 678, 57-64.	1.9	18
61	Spin Structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>K</mml:mi></mml:math> Valleys in Single-Layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> on Au(111). Physical Review Letters, 2018, 121, 136402.	7.8	28
62	Novel single-layer vanadium sulphide phases. 2D Materials, 2018, 5, 045009.	4.4	48
63	Nanoscale surface dynamics of Bi₂Te₃(111): observation of a prominent surface acoustic wave and the role of van der Waals interactions. Nanoscale, 2018, 10, 14627-14636.	5.6	27
64	Quasi-free-standing single-layer WS2 achieved by intercalation. Physical Review Materials, 2018, 2, .	2.4	6
65	Interfacial superconductivity in a bi-collinear antiferromagnetically ordered FeTe monolayer on a topological insulator. Nature Communications, 2017, 8, 14074.	12.8	53
66	Reorientation of the diagonal double-stripe spin structure at Fe1+yTe bulk and thin-film surfaces. Nature Communications, 2017, 8, 13939.	12.8	24
67	Strong electron-phonon coupling in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Ïf</mml:mi></mml:math> band of graphene. Physical Review B, 2017, 95, .	3.2	27
68	Unraveling the spin structure of unoccupied states in <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> Physical Review B, 2017, 95, .	3.2	15
69	Spin-dependent and strongly anisotropic superconducting gap in a monolayer of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>FeS</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> on a topological insulator. Physical Review B, 2017, 95, .	3.2	10
70	Sputtering an exterior metal coating on copper enclosure for large-scale growth of single-crystalline graphene. 2D Materials, 2017, 4, 045017.	4.4	17
71	Spin-dependent electron-phonon coupling in the valence band of single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WS</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2017, 96, .	3.2	22
72	Spin and valley control of free carriers in single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">WS</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2017, 95, .	3.2	43

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73	Electron-phonon coupling and surface Debye temperature of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="bold">Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">Te</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> (111)	3.2	42
74	Quasi-one-dimensional metallic band dispersion in the commensurate charge density wave of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mo>â</mml:mo></mml:m Physical Review B, 2017, 96, .	3.2	45
75	Substrate-induced semiconductor-to-metal transition in monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WS</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2017, 96, .	3.2	33
76	Topological insulator homojunctions including magnetic layers: The example of n-p type (n-QLs) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.3	5
77	Reconstruction-induced trefoil knot Fermi contour of Au(111). Physical Review B, 2016, 94, .	3.2	4
78	Absence of superconductivity in ultrathin layers of FeSe synthesized on a topological insulator. Physical Review B, 2016, 94, .	3.2	20
79	Crystalline and electronic structure of single-layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TaS</mml:mi><mml:mn>2</mml:mn></mml:msub></m Physical Review B, 2016, 94, .	3.2	15
80	Manifestation of nonlocal electron-electron interaction in graphene. Physical Review B, 2016, 94, .	3.2	14
81	Sputtering-induced reemergence of the topological surface state in<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></mm Physical Review B, 2016, 93, .	3.2	12
82	Band-gap engineering by Bi intercalation of graphene on Ir(111). Physical Review B, 2016, 93, .	3.2	30
83	Single-layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>MoS</mml:mtext><mml:mn>2</mml:mn></mml:msub></mml:ms Au(111): Band gap renormalization and substrate interaction. Physical Review B, 2016, 93, .	3.2	126
84	Nickel: The time-reversal symmetry conserving partner of iron on a chalcogenide topological insulator. Physical Review B, 2016, 94, .	3.2	11
85	Symmetry-Driven Band Gap Engineering in Hydrogen Functionalized Graphene. ACS Nano, 2016, 10, 10798-10807.	14.6	55
86	Electroinduced Intercalation of Tetraalkylammonium Ions at the Interface of Graphene Grown on Copper, Platinum, and Iridium. ChemElectroChem, 2016, 3, 2202-2211.	3.4	10
87	Ultrafast Band Structure Control of a Two-Dimensional Heterostructure. ACS Nano, 2016, 10, 6315-6322.	14.6	90
88	One-dimensional spin texture of Bi(441): Quantum spin Hall properties without a topological insulator. Physical Review B, 2015, 91, .	3.2	12
89	Facile electrochemical transfer of large-area single crystal epitaxial graphene from Ir(1â€‰1â€‰1). Journal Physics D: Applied Physics, 2015, 48, 115306.	2.8	23
90	Van der Waals Epitaxy of Two-Dimensional MoS₂â€“Graphene Heterostructures in Ultrahigh Vacuum. ACS Nano, 2015, 9, 6502-6510.	14.6	153

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91	Growth and electronic structure of epitaxial single-layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mtext>WS</mml:mtext><mml:mn>2</mml:mn></mml:msub> Au(111). Physical Review B, 2015, 92, .	3.2	20
92	Strongly anisotropic spin-orbit splitting in a two-dimensional electron gas. Physical Review B, 2015, 91, .	3.2	17
93	Electronic Structure of Epitaxial Single-Layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow><mml:mi>MoS</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review Letters, 2015, 114, 046802.	7.8	140
94	Ramifications of optical pumping on the interpretation of time-resolved photoemission experiments on graphene. Journal of Electron Spectroscopy and Related Phenomena, 2015, 200, 340-346.	1.7	26
95	Ultrafast electron dynamics in epitaxial graphene investigated with time- and angle-resolved photoemission spectroscopy. Journal of Physics Condensed Matter, 2015, 27, 164206.	1.8	37
96	Synthesis of Epitaxial Single-Layer MoS₂ on Au(111). Langmuir, 2015, 31, 9700-9706.	3.5	119
97	Observation of Ultrafast Free Carrier Dynamics in Single Layer MoS₂. Nano Letters, 2015, 15, 5883-5887.	9.1	138
98	Tunable Carrier Multiplication and Cooling in Graphene. Nano Letters, 2015, 15, 326-331.	9.1	80
99	Sequential oxygen and alkali intercalation of epitaxial graphene on Ir(111): enhanced many-body effects and formation of pn -interfaces. 2D Materials, 2014, 1, 025002.	4.4	36
100	Extracting the temperature of hot carriers in time- and angle-resolved photoemission. Review of Scientific Instruments, 2014, 85, 013907.	1.3	22
101	Screening and atomic-scale engineering of the potential at a topological insulator surface. Physical Review B, 2014, 89, .	3.2	13
102	Topological surface states on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Bi</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:m xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Sb</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:m Dependence on surface orientation, termination, and stability. Physical Review B, 2014, 89, .	3.2	14
103	Bulk band structure of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Te</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 90, .	3.2	60
104	Direct observation of spin-polarized bulk bands in an inversion-symmetric semiconductor. Nature Physics, 2014, 10, 835-839.	16.7	271
105	Intra- and interband electron scattering in a hybrid topological insulator: Bismuth bilayer on<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:m Physical Review B, 2014, 90, .	3.2	26
106	Surface-Dominated Transport on a Bulk Topological Insulator. Nano Letters, 2014, 14, 3755-3760.	9.1	66
107	Bottom-up approach for the low-cost synthesis of graphene-alumina nanosheet interfaces using bimetallic alloys. Nature Communications, 2014, 5, 5062.	12.8	37
108	Ultrafast Dynamics of Massive Dirac Fermions in Bilayer Graphene. Physical Review Letters, 2014, 112, 257401.	7.8	96

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109	Kinks in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ïf</mml:mi></mml:math>Band of Graphene Induced by Electron-Phonon Coupling. Physical Review Letters, 2013, 111, 216806.	7.8	36
110	A little twist with big consequences. Nature Materials, 2013, 12, 874-875.	27.5	12
111	Electronic structure of graphene on a reconstructed Pt(100) surface: Hydrogen adsorption, doping, and band gaps. Physical Review B, 2013, 88, .	3.2	17
112	Controllable Magnetic Doping of the Surface State of a Topological Insulator. Physical Review Letters, 2013, 110, 126804.	7.8	98
113	Direct Measurement of the Band Structure of a Buried Two-Dimensional Electron Gas. Physical Review Letters, 2013, 110, 136801.	7.8	30
114	Controlling Hydrogenation of Graphene on Ir(111). ACS Nano, 2013, 7, 3823-3832.	14.6	69
115	Evidence for a direct band gap in the topological insulator Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>from theory and experiment. Physical Review B, 2013, 87, .	3.2	117
116	Surface-sensitive conductivity measurement using a micro multi-point probe approach. Review of Scientific Instruments, 2013, 84, 033901.	1.3	25
117	Electronâ€“phonon coupling in quasi-free-standing graphene. Journal of Physics Condensed Matter, 2013, 25, 094001.	1.8	25
118	Direct View of Hot Carrier Dynamics in Graphene. Physical Review Letters, 2013, 111, 027403.	7.8	308
119	Three Dirac points on the (110) surface of the topological insulator Bi_{1â^'x}Sb_x. New Journal of Physics, 2013, 15, 103011.	2.9	20
120	Publisherâ€™s Note: Kinks in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ïf</mml:mi></mml:math>Band of Graphene Induced by Electron-Phonon Coupling [Phys. Rev. Lett.111, 216806 (2013)]. Physical Review Letters, 2013, 111, .	7.8	2
121	Detecting the local transport properties and the dimensionality of transport of epitaxial graphene by a multi-point probe approach. Applied Physics Letters, 2013, 102, 033110.	3.3	10
122	Surface structure of Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math>(111) determined by low-energy electron diffraction and surface x-ray diffraction. Physical Review B, 2013, 88, .	3.2	37
123	Excitation of Coherent Phonons in the One-Dimensional Bi(114) Surface. Physical Review Letters, 2013, 110, 136806.	7.8	17
124	Electronâ€“phonon coupling in the twoâ€dimensional electron gas on Bi₂Se₃. Physica Status Solidi - Rapid Research Letters, 2013, 7, 136-138.	2.4	6
125	Phase Separation and Bulk pâ€n Transition in Single Crystals of Bi₂Te₂Se Topological Insulator. Advanced Materials, 2013, 25, 889-893.	21.0	41
126	Synchrotron-Radiation Studies of Topological Insulators. Springer Proceedings in Physics, 2013, , 211-238.	0.2	1

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127	Unconventional spin texture of a topologically nontrivial semimetal Sb(110). New Journal of Physics, 2012, 14, 103026.	2.9	7
128	Surface states on a topologically nontrivial semimetal: The case of Sb(110). Physical Review B, 2012, 85, .	3.2	25
129	High-temperature behavior of supported graphene: Electron-phonon coupling and substrate-induced doping. Physical Review B, 2012, 86, .	3.2	31
130	Transfer-Free Electrical Insulation of Epitaxial Graphene from its Metal Substrate. Nano Letters, 2012, 12, 4503-4507.	9.1	120
131	Oxygen Switching of the Epitaxial Grapheneâ€“Metal Interaction. ACS Nano, 2012, 6, 9551-9558.	14.6	195
132	Emergent quantum confinement at topological insulator surfaces. Nature Communications, 2012, 3, 1159.	12.8	235
133	Graphene Coatings: Probing the Limits of the One Atom Thick Protection Layer. ACS Nano, 2012, 6, 10258-10266.	14.6	89
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140	Stability of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="bold">Bi</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="bold">Se</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>(111) topological state: Electron-phonon and electron-defect scattering. Physical Review B, 2011, 83, .	3.2	101
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