

Evgeni Chulkov

List of Publications by Year in descending order

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116
papers

6,269
citations

71102
41
h-index

69250
77
g-index

118
all docs

118
docs citations

118
times ranked

5122
citing authors

#	ARTICLE	IF	CITATIONS
1	Native point defects and their implications for the Dirac point gap at MnBi ₂ Te ₄ (0001). <i>Npj Quantum Materials</i> , 2022, 7, .	5.2	53
2	Surface dynamics on submonolayer Pb/Cu(001) surfaces. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 5164-5170.	2.8	0
3	Interlayer Coupling of a Two-Dimensional Kondo Lattice with a Ferromagnetic Surface in the Antiferromagnet CeCo ₂ P ₂ . <i>ACS Nano</i> , 2022, 16, 3573-3581.	14.6	4
4	Electron-phonon coupling and superconductivity in a 2D Tl-Pb compound on Si(111). <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 10140-10146.	2.8	2
5	Magnetic ordering and topology in $\text{Mn}_{2-\delta}\text{Pb}_{\delta}$. <i>Physical Review B</i> , 2022, 105, .	3.2	6
6	Impact of Co Atoms on the Electronic Structure of Bi ₂ Te ₃ and MnBi ₂ Te ₄ Topological Insulators. <i>Journal of Experimental and Theoretical Physics</i> , 2022, 134, 607-614.	0.9	0
7	Classical and cubic Rashba effect in the presence of in-plane magnetism at the iridium silicide surface of the antiferromagnet $\text{Gd}_{1-x}\text{Ir}_x\text{Si}_3$. <i>Physical Review B</i> , 2021, 103, .	3.2	15
8	Effect of Rashba splitting on ultrafast carrier dynamics in BiTel. <i>Physical Review B</i> , 2021, 103, .	3.2	2
9	Infrared study of the multiband low-energy excitations of the topological antiferromagnet $\text{Mn}_{2-\delta}\text{Bi}_{\delta}$. <i>Physical Review B</i> , 2021, 103, .	3.2	13
10	Topological Magnetic Materials of the (MnSb ₂ Te ₄) _{1-x} (Sb ₂ Te ₃) _x Family. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 4268-4277.	4.6	30
11	Electronic structure and coexistence of superconductivity with magnetism in $\text{Fe}_{1-x}\text{As}_{\delta}\text{Eu}_{1-\delta}$. <i>Physical Review B</i> , 2021, 103, .	3.2	17
12	Domain wall induced spin-polarized flat bands in antiferromagnetic topological insulators. <i>Physical Review B</i> , 2021, 103, .	3.2	20
13	Insight into the Temperature Evolution of Electronic Structure and Mechanism of Exchange Interaction in EuS. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 8328-8334.	4.6	7
14	Sample-dependent Dirac-point gap in MnSb ₂ Te ₄ : A combined photoemission and ab initio study. <i>Physical Review B</i> , 2021, 104, .	3.2	46
15	Intrinsic Magnetic Topological Insulator State Induced by the Jahn-Teller Effect. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9076-9085.	4.6	4
16	Mn-rich MnSb ₂ Te ₄ : A Topological Insulator with Magnetic Gap Closing at High Curie Temperatures of 45-50 K. <i>Advanced Materials</i> , 2021, 33, e2102935.	21.0	70
17	Persistence of the Topological Surface States in Bi ₂ Se ₃ against Ag Intercalation at Room Temperature. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1784-1792.	3.1	1
18	The Charge Transport Mechanism in a New Magnetic Topological Insulator MnBi _{0.5} Sb _{1.5} Te ₄ . <i>Physics of the Solid State</i> , 2021, 63, 1120-1125.	0.6	2

#	ARTICLE	IF	CITATIONS
19	Fabrication of a novel magnetic topological heterostructure and temperature evolution of its massive Dirac cone. <i>Nature Communications</i> , 2020, 11, 4821.	12.8	47
20	Nature of the Dirac gap modulation and surface magnetic interaction in axion antiferromagnetic topological insulator MnBi_2Te_4 . <i>Scientific Reports</i> , 2020, 10, 13226.	3.3	62
21	Deterministic control of an antiferromagnetic spin arrangement using ultrafast optical excitation. <i>Communications Physics</i> , 2020, 3, .	5.3	10
22	Electronic band structure of three-dimensional topological insulators with different stoichiometry composition. <i>Physical Review B</i> , 2020, 102, .	3.2	3
23	Interplay of Topological States on TI/TCI Interfaces. <i>Materials</i> , 2020, 13, 4481.	2.9	2
24	Photoelectron diffraction for probing valency and magnetism of MnBi_2Te_4 -based materials: A view on valence-fluctuating $\text{Eulr}_{2\text{Si}2}$. <i>Physical Review B</i> , 2020, 102, .	3.2	13
25	Cubic Rashba Effect in the Surface Spin Structure of Rare-Earth Ternary Materials. <i>Physical Review Letters</i> , 2020, 124, 237202.	7.8	30
26	Spin structure of spin-orbit split surface states in a magnetic material revealed by spin-integrated photoemission. <i>Physical Review B</i> , 2020, 101, .	3.2	9
27	Signatures of temperature driven antiferromagnetic transition in the electronic structure of topological insulator MnBi_2Te_4 . <i>APL Materials</i> , 2020, 8, .	5.1	56
28	Natural Topological Insulator Heterostructures. <i>Springer Handbooks</i> , 2020, , 449-470.	0.6	0
29	Electronic structure and dielectric function of Mn-Bi-Te layered compounds. <i>Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics</i> , 2019, 37, .	1.2	21
30	Surface states and Rashba-type spin polarization in antiferromagnetic MnBi_2Te_4 (0001). <i>Physical Review B</i> , 2019, 100, .	1.2	12
31	Emerging 2D-ferromagnetism and strong spin-orbit coupling at the surface of valence-fluctuating $\text{Eulr}_{2\text{Si}2}$. <i>Npj Quantum Materials</i> , 2019, 4, .	5.2	46
32	Novel ternary layered manganese bismuth tellurides of the $\text{MnTe}-\text{Bi}_2\text{Te}_3$ system: Synthesis and crystal structure. <i>Journal of Alloys and Compounds</i> , 2019, 789, 443-450.	5.5	130
33	Unique Thickness-Dependent Properties of the van der Waals Interlayer Antiferromagnet MnBi_2Te_4 Films. <i>Physical Review Letters</i> , 2019, 122, 107202.	7.8	415
34	Prediction and observation of an antiferromagnetic topological insulator. <i>Nature</i> , 2019, 576, 416-422.	27.8	701
35	Modification of a Shockley-Type Surface State on Pt(111) upon Deposition of Gold Thin Layers. <i>Materials</i> , 2018, 11, 2569.	2.9	1
36	Chemically driven surface effects in polar intermetallic topological insulators A3Bi. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26372-26385.	2.8	4

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37	Electronâ€“Phonon Interaction in the 4/3-Monolayer of Pb on Si(111): Theory Versus He-Atom Scattering Experiments. <i>Journal of Physical Chemistry C</i> , 2018, 122, 29039-29043.	3.1	2
38	Strong spin-orbit coupling in the noncentrosymmetric Kondo lattice. <i>Physical Review B</i> , 2018, 98, .	3.2	16
39	New Universal Type of Interface in the Magnetic Insulator/Topological Insulator Heterostructures. <i>Nano Letters</i> , 2018, 18, 6521-6529.	9.1	51
40	Deep Insight Into the Electronic Structure of Ternary Topological Insulators: A Comparative Study of $PbBi_{4}Te_7$ and $PbBi_{6}Te_{10}$. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800341.	2.4	12
41	Electron-phonon coupling and superconductivity in the (4/3)-monolayer of Pb on Si(111): Role of spin-orbit interaction. <i>Physical Review B</i> , 2018, 97, .	3.2	9
42	Modular Design with 2D Topological-Insulator Building Blocks: Optimized Synthesis and Crystal Growth and Crystal and Electronic Structures of $Bi_{\langle i \rangle \times \langle i \rangle \times \langle i \rangle}$ Tel ($\langle i \rangle = 2, 3$). <i>Chemistry of Materials</i> , 2017, 29, 1321-1337.	6.7	23
43	Large-Gap Magnetic Topological Heterostructure Formed by Subsurface Incorporation of a Ferromagnetic Layer. <i>Nano Letters</i> , 2017, 17, 3493-3500.	9.1	129
44	Highly-ordered wide bandgap materials for quantized anomalous Hall and magnetoelectric effects. <i>2D Materials</i> , 2017, 4, 025082.	4.4	195
45	Spin Orientation of Two-Dimensional Electrons Driven by Temperature-Tunable Competition of Spinâ€“Orbit and Exchangeâ€“Magnetic Interactions. <i>Nano Letters</i> , 2017, 17, 811-820.	9.1	28
46	Submonolayer Adsorption of Potassium on Reconstructed and Unreconstructed Cu(110): Structure and Phonons. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22969-22976.	3.1	7
47	Regularities of the quantum spin Hall phase formation in three-dimensional tetradymite-like topological insulator thin films. <i>Physical Review B</i> , 2017, 96, .	3.2	1
48	Magnetic extension as an efficient method for realizing the quantum anomalous hall state in topological insulators. <i>JETP Letters</i> , 2017, 105, 297-302.	1.4	68
49	Formation of Surface and Quantum-Well States in Ultra Thin Pt Films on the Au(111) Surface. <i>Materials</i> , 2017, 10, 1409.	2.9	5
50	Time-Reversal-Breaking Weyl Fermions in Magnetic Heusler Alloys. <i>Physical Review Letters</i> , 2016, 117, 236401.	7.8	282
51	Temperature-driven topological quantum phase transitions in a phase-change material Ge2Sb2Te5. <i>Scientific Reports</i> , 2016, 6, 38799.	3.3	18
52	Pressure effects on crystal and electronic structure of bismuth tellurohalides. <i>New Journal of Physics</i> , 2016, 18, 113003.	2.9	27
53	Topological Crystalline Insulator in a New Bi Semiconducting Phase. <i>Scientific Reports</i> , 2016, 6, 21790.	3.3	12
54	Robust and tunable itinerant ferromagnetism at the silicon surface of the antiferromagnet GdRh2Si2. <i>Scientific Reports</i> , 2016, 6, 24254.	3.3	29

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55	Nanoindentation of single-crystal Bi_{2}Te_3 topological insulators grown with the Bridgman-Stockbarger method. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 1082-1086.	1.5	13
56	Multiple Coexisting Dirac Surface States in Three-Dimensional Topological Insulator $\text{PbBi}_6\text{Te}_{10}$. <i>ACS Nano</i> , 2016, 10, 3518-3524.	14.6	29
57	Plasma-Wave Terahertz Detection Mediated by Topological Insulators Surface States. <i>Nano Letters</i> , 2016, 16, 80-87.	9.1	131
58	Sublattice effect on topological surface states in complex SnTe . <i>Physical Review B</i> , 2015, 91, .	3.2	15
59	Electronic and spin structure of a family of Sn-based ternary topological insulators. <i>Physical Review B</i> , 2015, 92, .	3.2	27
60	Direct measurement of the bulk spin structure of noncentrosymmetric BiTeCl . <i>Physical Review B</i> , 2015, 91, .	3.2	13
61	New generation of two-dimensional spintronic systems realized by coupling of Rashba and Dirac fermions. <i>Scientific Reports</i> , 2015, 5, 12819.	3.3	27
62	Epitaxial B-Graphene: Large-Scale Growth and Atomic Structure. <i>ACS Nano</i> , 2015, 9, 7314-7322.	14.6	49
63	Unveiling mode-selected electron-phonon interactions in metal films by helium atom scattering. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 7159.	2.8	48
64	Role of surface passivation in the formation of Dirac states at polar surfaces of topological crystalline insulators: The case of $\text{SnTe}(111)$. <i>Physical Review B</i> , 2014, 89, .	3.2	15
65	Atomic structure and phonons of a Pb ultrathin film on the Al(100) surface. <i>JETP Letters</i> , 2014, 100, 237-241.	1.4	7
66	Spin Texture of Bi_{2}Sb_3 Films in the Quantum Tunneling Limit. <i>Physical Review Letters</i> , 2014, 112, 057601.		
67	Topological insulator SnSb_{2} . <i>Physical Review B</i> , 2014, 89, .		
68	Strong ferromagnetism at the surface of an antiferromagnet caused by buried magnetic moments. <i>Nature Communications</i> , 2014, 5, 3171.	12.8	30
69	Exchange interaction and its tuning in magnetic binary chalcogenides. <i>Physical Review B</i> , 2014, 89, .	3.2	57
70	Local determination of the amount of integration of an atom into a crystal surface. <i>Nature Communications</i> , 2014, 5, 5089.	12.8	12
71	Tuning the Dirac Point Position in $\text{Te}_{4-x}\text{Sb}_{x}$. <i>Letters</i> , 2014, 113, 116802.		
72	Exploring the Surface Chemical Reactivity of Single Crystals of Binary and Ternary Bismuth Chalcogenides. <i>Journal of Physical Chemistry C</i> , 2014, 118, 21517-21522.	3.1	27

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73	Spin-helical Dirac states in graphene induced by polar-substrate surfaces with giant spin-orbit interaction: a new platform for spintronics. <i>Scientific Reports</i> , 2014, 4, 6900.	3.3	12
74	Visualizing spin-dependent bulk scattering and breakdown of the linear dispersion relation in Bi. <i>Bi</i> $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$ $\text{display="inline"} \langle \text{mml:msub} \rangle$ $\langle \text{mml:mrow} / \rangle$ $\langle \text{mml:mn} \rangle 2$ $\langle \text{mml:mn} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mrow} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="inline"} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{PbBi}$ $\langle \text{mml:mi} \rangle$ $\langle \text{mml:mn} \rangle 4$ $\langle \text{mml:mn} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{Te}$ $\langle \text{mml:mi} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{Physical Review Letters}$, 2013, 111, 206803.	3.2	34
75	Experimental Evidence of Hidden Topological Surface States in $\text{R}_{\text{mml:math}}^{0.13}$. <i>R</i> $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{Physical Review Letters}$, 2013, 111, 206803.	7.8	39
76	Comment on "Topological Insulators in Ternary Compounds with a Honeycomb Lattice". <i>Physical Review Letters</i> , 2013, 110, 129701.	7.8	4
77	New topological surface state in layered topological insulators: Unoccupied dirac cone. <i>JETP Letters</i> , 2013, 96, 780-784.	1.4	14
78	Magnetic proximity effect at the three-dimensional topological insulator/magnetic insulator interface. <i>Physical Review B</i> , 2013, 88, .	3.2	152
79	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.	7.8	46
80	Topological Character and Magnetism of the Dirac State in Mn-Doped $\text{Bi}_{\text{mml:math}}$ $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{Bi}$ $\langle \text{mml:mi} \rangle$ $\langle \text{mml:mn} \rangle 2$ $\langle \text{mml:mn} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{Te}$ $\langle \text{mml:mi} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{Physical Review Letters}$, 2012, 109, 076801.	7.8	115
81	Lattice dynamics of bismuth tellurohalides. <i>Physical Review B</i> , 2012, 86, .	3.2	42
82	Giant Rashba-type spin splitting at polar surfaces of BiTel. <i>JETP Letters</i> , 2012, 96, 437-444.	1.4	41
83	Effects of the electron-electron interaction on the surface of three-dimensional topological insulators. <i>JETP Letters</i> , 2012, 96, 480-485.	1.4	4
84	Atom-specific spin mapping and buried topological states in a homologous series of topological insulators. <i>Nature Communications</i> , 2012, 3, 635.	12.8	192
85	Complex Spin Texture in the Pure and Mn-Doped Topological Insulator $\text{Bi}_{\text{mml:math}}$ $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{Bi}$ $\langle \text{mml:mi} \rangle$ $\langle \text{mml:mn} \rangle 2$ $\langle \text{mml:mn} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{Te}$ $\langle \text{mml:mi} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{Physical Review Letters}$, 2012, 108, 206801.	7.8	85
86	<i>Ab initio</i> approach to the rate of radiative electron trapping and electron-hole recombination in Ba, Ca , and Na doped anatase. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 1063-1071.	1.5	7
87	Experimental Verification of $\text{PbBi}_{\text{mml:math}}$ $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{PbBi}$ $\langle \text{mml:mi} \rangle$ $\langle \text{mml:mn} \rangle 2$ $\langle \text{mml:mn} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{Te}$ $\langle \text{mml:mi} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block"} \rangle$ $\langle \text{mml:msub} \rangle$ $\langle \text{mml:mi} \rangle \text{a 3D Topological Insulator}$. <i>Physical Review Letters</i> , 2012, 108, 206803.	7.8	90
88	<i>Ab initio</i> study of 2DEG at the surface of topological insulator Bi ₂ Te ₃ . <i>JETP Letters</i> , 2012, 95, 213-218.	1.4	22
89	<i>Ab initio</i> electronic structure of thallium-based topological insulators. <i>Physical Review B</i> , 2011, 83, .	3.2	59
90	The Effect of Spin-orbit Coupling on the Surface Dynamical Properties and Electron-Phonon Interaction of $\text{Ti}(0001)$. <i>Journal of Physical Chemistry A</i> , 2011, 115, 7352-7355.	2.5	10

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91	Ternary compounds based on binary topological insulators as an efficient way for modifying the Dirac cone. <i>JETP Letters</i> , 2011, 93, 15-20.	1.4	42
92	On the origin of two-dimensional electron gas states at the surface of topological insulators. <i>JETP Letters</i> , 2011, 94, 106-111.	1.4	35
93	Three- and two-dimensional topological insulators in Pb ₂ Sb ₂ Te ₅ , Pb ₂ Bi ₂ Te ₅ , and Pb ₂ Bi ₂ Se ₅ layered compounds. <i>JETP Letters</i> , 2011, 94, 217-221.	1.4	21
94	First-principles quasiparticle damping rates in bulk lead. <i>Physical Review B</i> , 2011, 84, .	3.2	10
95	Small Al clusters on the Cu(111) surface: Atomic relaxation and vibrational properties. <i>Russian Journal of Physical Chemistry A</i> , 2010, 84, 1934-1938.	0.6	2
96	On different mechanisms of electron-phonon scattering of electron and hole excitations on an Ag(110) surface. <i>Journal of Experimental and Theoretical Physics</i> , 2010, 110, 788-793.	0.9	6
97	Hexagonally Deformed Fermi Surface of the 3D Topological Insulator$\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$$\text{display}=\text{"inline"}$<math>\text{<mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>S</mml:mi><mml:mi>7</mml:mi><mml:mi>8</mml:mi></mml:msub></math><math>\text{Physical Review Letters} <td></td> <td></td>		
98	Modification of response properties of the Be(0001) surface upon adsorption of a potassium monolayer: An <i>ab initio</i> calculation. <i>Physica Status Solidi (B): Basic Research</i> , 2010, 247, 1849-1857.	1.5	10
99	Vibrations of tetrahedral Co and Cu clusters on a Cu(111) surface. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2596-2599.	0.8	2
100	Collective electronic excitations in a potassium-covered Be surface. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 2640-2643.	0.8	4
101	Effect of the atomic composition of the surface on the electron surface states in topological insulators A 2 V B 3 VI. <i>JETP Letters</i> , 2010, 91, 387-391.	1.4	88
102	Ternary thallium-based semimetal chalcogenides Tl-V-VI2 as a new class of three-dimensional topological insulators. <i>JETP Letters</i> , 2010, 91, 594-598.	1.4	42
103	On possible deep subsurface states in topological insulators: The PbBi ₄ Te ₇ system. <i>JETP Letters</i> , 2010, 92, 161-165.	1.4	25
104	AB INITIO APPROACH TO STRUCTURAL, ELECTRONIC AND OPTICAL PROPERTIES OF B-, C- AND N-DOPED ANATASE. <i>International Journal of Modern Physics B</i> , 2010, 24, 6049-6067.	2.0	13
105	Effect of spin-orbit coupling on the electron-phonon interaction of the superconductors Pb and Tl. <i>Physical Review B</i> , 2010, 81, .	3.2	86
106	Vibrational properties of small cobalt clusters on the Cu(111) surface. <i>Physics of the Solid State</i> , 2009, 51, 1271-1280.	0.6	3
107	Reduction of the Superconducting Gap of Ultrathin Pb Islands Grown on Si(111). <i>Physical Review Letters</i> , 2009, 102, 207002.	7.8	135
108	First-principle approach to the study of spin relaxation times of excited electrons in metals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1296-1301.	1.8	15

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109	Band structure effects on the Be(0001) acoustic surface plasmon energy dispersion. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1307-1311.		1.8	19
110	Ultrafast dynamics and decoherence of quasiparticles in surface bands: Preasymptotic decay and dephasing of quasiparticle states. <i>Physical Review B</i> , 2007, 76, .		3.2	17
111	Band structure effects in the surface plasmon at the Be(0001) surface. <i>Radiation Effects and Defects in Solids</i> , 2007, 162, 483-489.		1.2	6
112	Enhanced Rashba spin-orbit splitting in Bi ⁺ Ag(111) and Pb ⁺ Ag(111) surface alloys from first principles. <i>Physical Review B</i> , 2007, 75, .		3.2	156
113	Quantum well states in ultrathin Bi films: Angle-resolved photoemission spectroscopy and first-principles calculations study. <i>Physical Review B</i> , 2007, 75, .		3.2	103
114	Strong Spin-Orbit Splitting on Bi Surfaces. <i>Physical Review Letters</i> , 2004, 93, 046403.		7.8	595
115	Lateral quantum wells at vicinal Au(111) studied with angle-resolved photoemission. <i>Physical Review B</i> , 2002, 66, .		3.2	78
116	Strong Rashba Effect and Different f d Hybridization Phenomena at the Surface of the Heavy-Fermion Superconductor CeIrIn 5. <i>Advanced Electronic Materials</i> , 0, , 2100768.		5.1	8