

Marco Bianchi

List of Publications by Year in descending order

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125106

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docs citations

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times ranked

8845
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.	1.5	4
2	Single-crystal graphene on Ir(110). Physical Review B, 2022, 105, .	1.1	7
3	Inelastic helium atom scattering from Sb ₂ Te ₃ (111): phonon dispersion, focusing effects and surfing. Physical Chemistry Chemical Physics, 2021, 23, 7806-7813.	1.3	4
4	Structural and electronic inhomogeneity of superconducting Nb-doped VBi . Physical Review B, 2021, 103, .		
5	Moiré-induced electronic structure modifications in monolayer VSe on $\text{Au}(111)$. Physical Review B, 2021, 103, .	1.1	3
6	Electronic properties of single-layer $\text{CoO}_2/\text{Au}(111)$. 2D Materials, 2021, 8, 035050.	2.0	7
7	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.	0.8	9
8	Tuning the Doping of Epitaxial Graphene on a Conventional Semiconductor via Substrate Surface Reconstruction. Journal of Physical Chemistry Letters, 2021, 12, 1262-1267.	2.1	4
9	Ultrafast electronic linewidth broadening in the C $1s$ core level of graphene. Physical Review B, 2021, 104, .		
10	Bulk band structure of Sb_2Te_3 determined by angle-resolved photoemission spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 26401-26406.	1.3	3
11	Proximity Effects on the Charge Density Wave Order and Superconductivity in Single-Layer NbSe_2 . ACS Nano, 2021, 15, 19430-19438.	7.3	35
12	Observation and origin of the $\hat{\Gamma}$ manifold in Si:P layers. Physical Review B, 2020, 101, .	1.1	13
13	Decoupling Molybdenum Disulfide from Its Substrate by Cesium Intercalation. Journal of Physical Chemistry C, 2020, 124, 12397-12408.	1.5	9
14	The occupied electronic structure of ultrathin boron doped diamond. Nanoscale Advances, 2020, 2, 1358-1364.	2.2	5
15	Time- and momentum-resolved photoemission studies using time-of-flight momentum microscopy at a free-electron laser. Review of Scientific Instruments, 2020, 91, 013109.	0.6	72
16	Influence of an Anomalous Temperature Dependence of the Phase Coherence Length on the Conductivity of Magnetic Topological Insulators. Physical Review Letters, 2019, 123, 036406.	2.9	13
17	Basal plane oxygen exchange of epitaxial MoS_2 without edge oxidation. 2D Materials, 2019, 6, 045013.	2.0	22
18	A universal approach for the synthesis of two-dimensional binary compounds. Nature Communications, 2019, 10, 2957.	5.8	93

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19	Transient hot electron dynamics in single-layer TaS_2 . Physical Review B, 2019, 99, .		
20	Momentum-resolved linear dichroism in bilayer MoS_2 . Physical Review B, 2019, 100, .		
21	Layer and orbital interference effects in photoemission from transition metal dichalcogenides. Physical Review B, 2019, 100, .	1.1	11
22	Pseudodoping of a metallic two-dimensional material by the supporting substrate. Nature Communications, 2019, 10, 180.	5.8	30
23	Electron-phonon coupling in single-layer MoS_2 . Surface Science, 2019, 681, 64-69.	0.8	7
24	Growth and structure of singly oriented single-layer tungsten disulfide on Au(111). Physical Review Materials, 2019, 3, .	0.9	18
25	Epitaxial single-layer NbS_2 on Au(111): Synthesis, structure, and electronic properties. Physical Review Materials, 2019, 3, .		
26	Electronic structure of $\text{Fe}_{1.08}\text{Te}$ bulk crystals and epitaxial FeTe thin films on Bi_2Te_3 . Journal of Physics Condensed Matter, 2018, 30, 065502.	0.7	7
27	Epitaxial growth of single-orientation high-quality MoS_2 monolayers. 2D Materials, 2018, 5, 035012.	2.0	65
28	Fragility of the Dirac Cone Splitting in Topological Crystalline Insulator Heterostructures. ACS Nano, 2018, 12, 617-626.	7.3	7
29	Photoemission investigation of oxygen intercalated epitaxial graphene on Ru(0001). Surface Science, 2018, 678, 57-64.	0.8	18
30	Novel single-layer vanadium sulphide phases. 2D Materials, 2018, 5, 045009.	2.0	48
31	Nanoscale surface dynamics of Bi_2Te_3 (111): observation of a prominent surface acoustic wave and the role of van der Waals interactions. Nanoscale, 2018, 10, 14627-14636.	2.8	27
32	Quasi-free-standing single-layer WS_2 achieved by intercalation. Physical Review Materials, 2018, 2, .	0.9	6
33	Sputtering an exterior metal coating on copper enclosure for large-scale growth of single-crystalline graphene. 2D Materials, 2017, 4, 045017.	2.0	17
34	Spin-dependent electron-phonon coupling in the valence band of single-layer WS_2 . Physical Review B, 2017, 96, .		
35	Spin and valley control of free carriers in single-layer WS_2 . Physical Review B, 2017, 95, .	1.1	43
36	Electron-phonon coupling and surface Debye temperature of Bi_2Te_3 (111) from helium atom scattering. Physical Review B, 2017, 95, .	1.1	42

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37	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:mrow></mml:math> Physical Review B, 2017, 96, .	1.1	45
38	Substrate-induced semiconductor-to-metal transition in monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>WS</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:math> Physical Review B, 2017, 96, .	1.1	38
39	Topological insulator homojunctions including magnetic layers: The example of n-p type (n-QLs) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Physical Review B, 2017, 96, .	1.5	5
40	Reconstruction-induced trefoil knot Fermi contour of Au(111). Physical Review B, 2016, 94, .	1.1	4
41	Absence of superconductivity in ultrathin layers of FeSe synthesized on a topological insulator. Physical Review B, 2016, 94, .	1.1	20
42	Crystalline and electronic structure of single-layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>TaS</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:math> Physical Review B, 2016, 94, .	1.1	17
43	Manifestation of nonlocal electron-electron interaction in graphene. Physical Review B, 2016, 94, .	1.1	14
44	Band-gap engineering by Bi intercalation of graphene on Ir(111). Physical Review B, 2016, 93, .	1.1	30
45	Single-layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>MoS</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:math> Au(111): Band gap renormalization and substrate interaction. Physical Review B, 2016, 93, .	1.1	17
46	Nickel: The time-reversal symmetry conserving partner of iron on a chalcogenide topological insulator. Physical Review B, 2016, 94, .	1.1	11
47	Symmetry-Driven Band Gap Engineering in Hydrogen Functionalized Graphene. ACS Nano, 2016, 10, 10798-10807.	7.3	55
48	Ultrafast Band Structure Control of a Two-Dimensional Heterostructure. ACS Nano, 2016, 10, 6315-6322.	7.3	90
49	One-dimensional spin texture of Bi(441): Quantum spin Hall properties without a topological insulator. Physical Review B, 2015, 91, .	1.1	12
50	Controlling the growth of epitaxial graphene on metalized diamond (111) surface. Applied Physics Letters, 2015, 107, 181603.	1.5	9
51	Facile electrochemical transfer of large-area single crystal epitaxial graphene from Ir(1â€%1â€%1). Journal Physics D: Applied Physics, 2015, 48, 115306.	1.3	23
52	Van der Waals Epitaxy of Two-Dimensional MoS₂â€“Graphene Heterostructures in Ultrahigh Vacuum. ACS Nano, 2015, 9, 6502-6510.	7.3	153
53	Growth and electronic structure of epitaxial single-layer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>WS</mml:mi><mml:mn>2</mml:mn></mml:mrow></mml:math> Au(111). Physical Review B, 2015, 92, .	1.1	7
54	Strongly anisotropic spin-orbit splitting in a two-dimensional electron gas. Physical Review B, 2015, 91, .	1.1	17

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55	Electronic Structure of Epitaxial Single-Layer MoS_2 Physical Review Letters, 2015, 114, 046802.	2.9	140
56	Synthesis of Epitaxial Single-Layer MoS_2 on Au(111). Langmuir, 2015, 31, 9700-9706.	1.6	119
57	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.	2.0	36
58	Bulk band structure of Bi_2Te_3 . Physical Review B, 2014, 90, .	1.1	60
59	Surface-Dominated Transport on a Bulk Topological Insulator. Nano Letters, 2014, 14, 3755-3760.	4.5	66
60	Bottom-up approach for the low-cost synthesis of graphene-alumina nanosheet interfaces using bimetallic alloys. Nature Communications, 2014, 5, 5062.	5.8	37
61	Kinks in the Dirac Band of Graphene Induced by Electron-Phonon Coupling. Physical Review Letters, 2013, 111, 216806.	2.9	36
62	Electronic structure of graphene on a reconstructed Pt(100) surface: Hydrogen adsorption, doping, and band gaps. Physical Review B, 2013, 88, .	1.1	17
63	Controllable Magnetic Doping of the Surface State of a Topological Insulator. Physical Review Letters, 2013, 110, 126804.	2.9	98
64	Evidence for a direct band gap in the topological insulator Bi_2Se_3 from theory and experiment. Physical Review B, 2013, 87, .	1.1	117
65	Electron-phonon coupling in quasi-free-standing graphene. Journal of Physics Condensed Matter, 2013, 25, 094001.	0.7	25
66	Three Dirac points on the (110) surface of the topological insulator Bi_2Sb_3 . New Journal of Physics, 2013, 15, 103011.	1.2	20
67	Publisher's Note: Kinks in the Dirac Band of Graphene Induced by Electron-Phonon Coupling [Phys. Rev. Lett. 111, 216806, (2013)]. Physical Review Letters, 2013, 111, .	2.9	2
68	Surface structure of Bi_2Se_3 (111) determined by low-energy electron diffraction and surface x-ray diffraction. Physical Review B, 2013, 88, .	1.1	37
69	Electron-phonon coupling in the two-dimensional electron gas on Bi_2Se_3 . Physica Status Solidi - Rapid Research Letters, 2013, 7, 136-138.	1.2	6
70	Phase Separation and Bulk pn Transition in Single Crystals of $\text{Bi}_2\text{Te}_3\text{Se}$ Topological Insulator. Advanced Materials, 2013, 25, 889-893.	11.1	41
71	Unconventional spin texture of a topologically nontrivial semimetal Sb(110). New Journal of Physics, 2012, 14, 103026.	1.2	7
72	Surface states on a topologically nontrivial semimetal: The case of Sb(110). Physical Review B, 2012, 85, .	1.1	25

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73	High-temperature behavior of supported graphene: Electron-phonon coupling and substrate-induced doping. <i>Physical Review B</i> , 2012, 86, .	1.1	31
74	Transfer-Free Electrical Insulation of Epitaxial Graphene from its Metal Substrate. <i>Nano Letters</i> , 2012, 12, 4503-4507.	4.5	120
75	Oxygen Switching of the Epitaxial Graphene-Metal Interaction. <i>ACS Nano</i> , 2012, 6, 9551-9558.	7.3	195
76	Robust Surface Doping of Bi_2Se_3 by Rubidium Intercalation. <i>ACS Nano</i> , 2012, 6, 7009-7015.	7.3	64
77	The electronic structure of clean and adsorbate-covered Bi_2Se_3 : an angle-resolved photoemission study. <i>Semiconductor Science and Technology</i> , 2012, 27, 124001.	1.0	45
78	Large Tunable Rashba Spin Splitting of a Two-Dimensional Electron Gas in Bi_2Se_3 . <i>Physical Review Letters</i> , 2011, 107, 096802.	2.9	405
79	Simultaneous Quantization of Bulk Conduction and Valence States through Adsorption of Nonmagnetic Impurities on Bi_2Se_3 . <i>Physical Review Letters</i> , 2011, 107, 086802.	2.9	136
80	Stability of the topological state: Electron-phonon and electron-defect scattering. <i>Physical Review B</i> , 2011, 83, .	1.1	101
81	Strongly enhanced electron-phonon coupling in the Rashba-split state of the $\text{Bi}/\text{Ag}(111)$ surface alloy. <i>Physical Review B</i> , 2011, 83, .	1.1	10
82	Bandgap opening in graphene induced by patterned hydrogen adsorption. <i>Nature Materials</i> , 2010, 9, 315-319.	13.3	1,344
83	Electron-phonon coupling in potassium-doped graphene: Angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2010, 81, .	1.1	92
84	Coexistence of the topological state and a two-dimensional electron gas on the surface of Bi_2Se_3 . <i>Nature Communications</i> , 2010, 1, 128.	5.8	407
85	Surface core level shifts of clean and oxygen covered $\text{Ir}(111)$. <i>New Journal of Physics</i> , 2009, 11, 063002.	1.2	57