Cesare Franchini

List of Publications by Year
in descending order

150 papers	8,914 citations	61857 43 h-index	43802 91 g-index
154 all docs	154 docs citations	154 times ranked	11280 citing authors

#	Article	IF	Citations
1	Dirac semimetal and topological phase transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>A</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>Bi (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 732 Td (display="in	1.1	1,529
2	Role of self-trapping in luminescence and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-type conductivity of wide-band-gap oxides. Physical Review B, 2012, 85, .	1.1	440
3	Trends in the electronic and optical properties of bilayer transition metal dichalcogenides<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><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>WS</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math> and <mml:math	1.1	429
4	Direct View at Excess Electrons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>TiO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math> and Anatase. Physical Review Letters, 2014, 113, 086402.	2.9	373
5	Ground-state properties of multivalent manganese oxides: Density functional and hybrid density functional calculations. Physical Review B, 2007, 75, .	1.1	288
6	Polarons in materials. Nature Reviews Materials, 2021, 6, 560-586.	23.3	273
7	Tunable ferroelectric polarization and its interplay with spinâ€“orbit coupling in tin iodide perovskites. Nature Communications, 2014, 5, 5900.	5.8	247
8	Role of Polar Phonons in the Photo Excited State of Metal Halide Perovskites. Scientific Reports, 2016, 6, 28618.	1.6	234
9	Unraveling CO adsorption on model single-atom catalysts. Science, 2021, 371, 375-379.	6.0	179
10	Density functional theory study of MnO by a hybrid functional approach. Physical Review B, 2005, 72, .	1.1	160
11	Superconductivity in Lithium, Potassium, and Aluminum under Extreme Pressure: A First-Principles Study. Physical Review Letters, 2006, 96, 047003.	2.9	159
12	Screened hybrid functional applied to 3<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>d</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo>â†’</mml:mo></mml:math>3<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>d</mml:mi><mml:mn>8</mml:mn></mml:msup></mml:math>transition-metal	1.1	146
13	Hardness of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>T</mml:mi></mml:math>-carbon: Density functional theory calculations. Physical Review B, 2011, 84, .	1.1	140
14	Dual behavior of excess electrons in rutile TiO₂. Physica Status Solidi - Rapid Research Letters, 2013, 7, 199-203.	1.2	140
15	Superconducting Properties ofMgB2from First Principles. Physical Review Letters, 2005, 94, 037004.	2.9	137
16	Spin fluctuation induced Weyl semimetal state in the paramagnetic phase of EuCd ₂ As ₂. Science Advances, 2019, 5, eaaw4718.	4.7	122
17	Maximally localized Wannier functions in LaMnO₃within PBE +U, hybrid functionals and partially self-consistent GW: an efficient route to constructab initiotight-binding parameters for e_gperovskites. Journal of Physics Condensed Matter, 2012, 24, 235602.	0.7	106
18	Rocksalt SnS and SnSe: Native topological crystalline insulators. Physical Review B, 2013, 88, .	1.1	104

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19	Behavior of Methylammonium Dipoles in MAPbX₃ (X = Br and I). Journal of Physical Chemistry Letters, 2017, 8, 4113-4121.	2.1	103
20	Charge Trapping at the Step Edges of TiO₂ Anatase (101). Angewandte Chemie - International Edition, 2014, 53, 4714-4716.	7.2	102
21	Anisotropic two-dimensional electron gas at SrTiO ₃ (110). Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3933-3937.	3.3	99
22	Polaronic Hole Trapping in Doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>BaBiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2009, 102, 256402.	2.9	93
23	Local Structure and Coordination Define Adsorption in a Model Ir₁/Fe₃O₄ Singleâ€Atom Catalyst. Angewandte Chemie - International Edition, 2019, 58, 13961-13968.	7.2	93
24	Polarity compensation mechanisms on the perovskite surface KTaO ₃ (001). Science, 2018, 359, 572-575.	6.0	85
25	Coexistence of trapped and free excess electrons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrTiO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review B, 2015, 91, .	1.1	83
26	Hybrid functionals applied to perovskites. Journal of Physics Condensed Matter, 2014, 26, 253202.	0.7	81
27	Structural, vibrational, and quasiparticle properties of the Peierls semiconductorBaBiO3: A hybrid functional and self-consistentGW+vertex-correctionsstudy. Physical Review B, 2010, 81, .	1.1	79
28	Water agglomerates on Fe ₃ O ₄ (001). Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E5642-E5650.	3.3	79
29	Interplay between Adsorbates and Polarons: CO on Rutile <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>(110). Physical Review Letters, 2019, 122, .	2.9	78
30	Anisotropic magnetic couplings and structure-driven canted to collinear transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> magnetically constrained noncollinear DFT. Physical Review B, 2015, 92, .	1.1	70
31	Electronic, optical, and mechanical properties of superhard cold-compressed phases of carbon. Applied Physics Letters, 2011, 99, .	1.5	68
32	Formation and dynamics of small polarons on the rutile <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>TiO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> (110) surface. Physical Review B, 2018, 98, .	1.1	67
33	Exchange interactions and magnetic phases of transition metal oxides: Benchmarking advancedab initiomethods. Physical Review B, 2011, 84, .	1.1	66
34	Electronic structure ofPbFe1/2Ta1/2O3:Crystallographic ordering and magnetic properties. Physical Review B, 2004, 69, .	1.1	64
35	Formation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mo>(</mml:mo><mml:mn>001</mml:mn></mml:math> MnO(001) Surface and interface structural stability. Physical Review B, 2007, 76, .	1.1	62
36	Room-temperature dynamic correlation between methylammonium molecules in lead-iodine based perovskites: An ab initio molecular dynamics perspective. Physical Review B, 2016, 94, .	1.1	62

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37	Density functional study of the polarMnO(111)surface. Physical Review B, 2006, 73, .	1.1	61
38	Dipole Order in Halide Perovskites: Polarization and Rashba Band Splittings. Journal of Physical Chemistry C, 2017, 121, 23045-23054.	1.5	56
39	Three-Dimensional Electronic Structure of the Type-II Weyl Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WTe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review Letters, 2017, 119, 026403.	2.9	55
40	Influence of surface atomic structure demonstrated on oxygen incorporation mechanism at a model perovskite oxide. Nature Communications, 2018, 9, 3710.	5.8	54
41	Donor defects and small polarons on the TiO2(110) surface. Journal of Applied Physics, 2016, 119, .	1.1	51
42	Epitaxial stabilization of MnO(111) overlayers on a Pd(100) surface. Physical Review B, 2007, 75, .	1.1	47
43	Superconducting properties of MgB2 from first principles. Physica C: Superconductivity and Its Applications, 2007, 456, 45-53.	0.6	46
44	The random phase approximation applied to ice. Journal of Chemical Physics, 2014, 140, 084502.	1.2	45
45	Converged <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>G</mml:mi><mml:mi>W</mml:mi></mml:mrow> quasiparticle energies for transition metal oxide perovskites. Physical Review Materials, 2018, 2, .	1.1	45
46	Local Structure and Coordination Define Adsorption in a Model Ir₁/Fe₃O₄ Singleâ€Atom Catalyst. Angewandte Chemie, 2019, 131, 14099-14106.	1.6	44
47	Structure of thec(2Ã—2)-Br/Pt(110) surface. Physical Review B, 2002, 65, .	1.1	43
48	Structural and vibrational properties of two-dimensional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Mn</mml:mtext></mml:mrow><mml:mi>x</mml:mi></mml:msub on Pd(100): Experiments and density functional theory calculations. Physical Review B, 2009, 79, .	1.1	42
49	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>d</mml:mi></mml:mrow></mml:math>perovskites<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>R</mml:mi></mml:mrow></mml:math>TcO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>m	1.1	42
50	Ab initioprediction of pressure-induced superconductivity in potassium. Physical Review B, 2006, 73, .	1.1	41
51	Ab initiostudy of the structural, electronic, and magnetic properties ofMnO(100)andMnO(110). Physical Review B, 2007, 75, .	1.1	41
52	Relativistic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>G</mml:mi><mml:mi>W</mml:mi></mml:mrow> +BSE study of the optical properties of Ruddlesden-Popper iridates. Physical Review Materials, 2018, 2, .	1.1	40
53	Resolving the adsorption of molecular O ₂ on the rutile TiO ₂ (110) surface by noncontact atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 14827-14837.	3.3	39
54	Tuning the vertical location of helical surface states in topological insulator heterostructures via dual-proximity effects. Scientific Reports, 2013, 3, 1233.	1.6	38

#	Article	IF	Citations
55	Dimensionality-strain phase diagram of strontium iridates. Physical Review B, 2017, 95, .	1.1	37
56	Structural transitions and transport-half-metallic ferromagnetism in LaMnO<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>at elevated pressure. Physical Review B, 2012, 85, .	1.1	36
57	Exceptionally large room-temperature ferroelectric polarization in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi mathvariant="bold">PbNiO</mml:mi><mml:mn mathvariant="bold">3</mml:mn></mml:msub></mml:math>multiferroic nickelate: First-principles study. Physical Review B, 2012, 86, .	1.1	36
58	Two-dimensional manganese oxide nanolayers on Pd(100): the surface phase diagram. Journal of Physics Condensed Matter, 2009, 21, 134008.	0.7	35
59	Proton Ordering of Cubic Ice Ic: Spectroscopy and Computer Simulations. Journal of Physical Chemistry C, 2014, 118, 10989-10997.	1.5	35
60	Parametrization of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>LSDA</mml:mi><mml:mo>+</mml:mo><mml:mi>U</mml:mi></mml:mrow></mml:math>for noncollinear magnetic configurations: Multipolar magnetism in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>UO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>Physical Review Materials, 2019, 3, .	0.9	35
61	Lifshitz transition driven by spin fluctuations and spin-orbit renormalization inNaOsO3. Physical Review B, 2016, 94, .	1.1	34
62	Large enhancement of the photovoltaic effect in ferroelectric complex oxides through bandgap reduction. Scientific Reports, 2016, 6, 28313.	1.6	34
63	Assessing the performance of self-consistent hybrid functional for band gap calculation in oxide semiconductors. Journal of Physics Condensed Matter, 2017, 29, 454004.	0.7	33
64	Interplay between magnetic, electronic, and vibrational effects in monolayer Mn3O4 grown on Pd(100). Journal of Chemical Physics, 2009, 130, 124707.	1.2	32
65	Strain-driven onset of nontrivial topological insulating states in Zintl Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub><mml:mi>X</mml:mi></mml:mrow></mml:math>compounds		

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73	Strained c(4Ã—2) CoO(100)-like monolayer on Pd(100): Experiment and theory. Surface Science, 2010, 604, 529-534.	0.8	27
74	Electron and hole doping in the relativistic Mott insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="bold">Sr</mml:mi><mml:mn mathvariant="bold">2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">IrO</mml:mi><mml:mn mathvariant="bold">4</mml:mn></mml:msub></mml:mrow></mml:math> : A first-principles study using	1.1	27
75	Lithium Niobate-Type Oxides as Visible Light Photovoltaic Materials. Chemistry of Materials, 2016, 28, 25-29.	3.2	26
76	Diagrammatic Monte Carlo study of FrÃ¶hlich polaron dispersion in two and three dimensions. Physical Review B, 2018, 97, .	1.1	26
77	Halogen-Induced Corrosion of Platinum. Journal of the American Chemical Society, 2009, 131, 2827-2829.	6.6	25
78	Anisotropy of magnetic interactions and symmetry of the order parameter in unconventional superconductor Sr2RuO4. Npj Quantum Materials, 2017, 2, .	1.8	24
79	(3Ã—1)-Br/Pt(110) structure and the charge-density-wave-assistedc(2Ã—2)to(3Ã—1)phase transition. Physical Review B, 2004, 69, .	1.1	23
80	Structural and ferroelectric transitions in magnetic nickelate PbNiO₃. New Journal of Physics, 2014, 16, 015030.	1.2	23
81	Combined first-principles and model Hamiltonian study of the perovskite series<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:mi>MnO</mml:mi></mml:mrow><mml:mn/><mml:mn>3</mml:mn></mml:msub></mml:math><mml:math		

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91	Structural, Electronic, and Ferroelectric Properties of Compressed CdPbO₃ Polymorphs. Inorganic Chemistry, 2013, 52, 1032-1039.	1.9	14
92	Vacancy clusters at domain boundaries and band bending at the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">SrTiO</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub><mml:mo>(</mml:mo><mml:mn>110</mml:mn> Physical Review B, 2014, 90, .	1.1	14
93	Stabilizing Single Ni Adatoms on a Two-Dimensional Porous Titania Overlayer at the SrTiO3(110) Surface. Journal of Physical Chemistry C, 2014, 118, 19904-19909.	1.5	14
94	Structural determination and electronic properties of the 4dperovskite SrPdO3. Physical Review B, 2014, 89, .	1.1	14
95	Interplay between multipolar spin interactions, Jahn-Teller effect, and electronic correlation in a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>J</mml:mi><mml:mtext>eff</mml:mtext> insulator. Physical Review B, 2021, 103, .	1.1	14
96	Electronic State Unfolding for Plane Waves: Energy Bands, Fermi Surfaces, and Spectral Functions. Journal of Physical Chemistry C, 2021, 125, 12921-12928.	1.5	14
97	CO oxidation by Pt ₂ /Fe ₃ O ₄ : Metastable dimer and support configurations facilitate lattice oxygen extraction. Science Advances, 2022, 8, eabn4580.	4.7	14
98	Intriguing electronic and optical properties of M2CX2 (Mâ€¯=â€¯Mo, W; Xâ€¯=â€¯O, F) MXenes and their van der Waals heterostructures. Chemical Physics Letters, 2019, 731, 136614.	1.2	13
99	Superconductivity in SrTiO3: Dielectric Function Method for Non-Parabolic Bands. Journal of Superconductivity and Novel Magnetism, 2019, 32, 2739-2744.	0.8	12
100	Chemical Pressure-Induced Ferromagnetism and Stabilization of the Metallic State in Ba1-xSrxVS3. International Journal of Modern Physics B, 2003, 17, 3503-3508.	1.0	11
101	Phase transitions driven by competing interactions in low-dimensional systems. Europhysics Letters, 2010, 92, 26004.	0.7	11
102	Ru doping in iron-based pnictides: The â€œunfoldedâ€•dominant role of structural effects for superconductivity. Physical Review B, 2017, 95, .	1.1	11
103	Influence of Local Defects on the Dynamics of Oâ€“H Bond Breaking and Formation on a Magnetite Surface. Journal of Physical Chemistry C, 2019, 123, 19742-19747.	1.5	11
104	CuAu, a hexagonal two-dimensional metal. 2D Materials, 2020, 7, 045017.	2.0	11
105	Kagome metal-organic frameworks as a platform for strongly correlated electrons. JPhys Materials, 2020, 3, 025001.	1.8	11
106	Comparative ab initio study of the structural, electronic, magnetic, and dynamical properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>LiOsO</mml:mi><mml:mn>3</mml:mn></mml:msub></m and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NaOsO</mml:mi><mml:mn>3</mml:mn></mml:msub></ xmlns:mml="http://www.w3.org/1998/Math/MathML"	0.9	11
107	display="inline"><mml:mrow><mml:msub><mml:mi>NaOsO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mr and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>LiOsO</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn> Physical Review Letters, 2020, 125, 166402.	2.9	10
108	Electron-phonon interactions using the projector augmented-wave method and Wannier functions. Physical Review B, 2020, 101, .	1.1	10

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109	Small Polarons in Transition Metal Oxides. , 2020, , 1035-1073.		10
110	Cubic and tetragonal perovskites from the random phase approximation. Physical Review Materials, 2019, 3, .	0.9	10
111	Doping Evolution of the Local Electronic and Structural Properties of the Double Perovskite Ba₂Na_{1â€“x}Ca_xOsO₆. Journal of Physical Chemistry C, 2020, 124, 16577-16585.	1.5	9
112	Optical and excitonic properties of transition metal oxide perovskites by the Bethe-Salpeter equation. Physical Review Materials, 2021, 5, .	0.9	9
113	Structural, transport, and electronic properties of a layered dichalcogenideAuVS2with semimetallic properties. Physical Review B, 2002, 66, .	1.1	8
114	Role of electronic correlations on the ground-state properties and on the pressure-induced metal-insulator transition inBaVS3. Physical Review B, 2004, 70, .	1.1	8
115	Thickness dependent structural and electronic properties of CuO grown on SrTiO₃(100): a hybrid density functional theory study. Journal of Physics Condensed Matter, 2011, 23, 045004.	0.7	8
116	Covalent effects in magnetic ferroelectrics MnMO₃ (Mâ€‰=â€‰Ti, Sn). Physica Status Solidi (B): Basic Research, 2015, 252, 626-634.	0.7	8
117	Competing magnetic interactions in a spin- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn></mml:mfrac></mml square lattice: Hidden order in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml Physical Review B, 2017, 96, .	1.1	8
118	Ab initio prediction of the high-pressure phase diagram of BaBiO3. Physical Review B, 2017, 96, .	1.1	8
119	Rapid oxygen exchange between hematite and water vapor. Nature Communications, 2021, 12, 6488.	5.8	8
120	Machine learning for exploring small polaron configurational space. Npj Computational Materials, 2022, 8, .	3.5	8
121	First-principles investigation ofBaFe2As2(001). Physical Review B, 2010, 82, .	1.1	7
122	Tailor-made ultrathin manganese oxide nanostripes: â€˜magic widthsâ€™ on Pd(1 1N) terraces. Journal of Physics Condensed Matter, 2012, 24, 042001.	0.7	7
123	Experimental observation of defect pair separation triggering phase transitions. Scientific Reports, 2014, 4, 4110.	1.6	7
124	Optical Response of an Interacting Polaron Gas in Strongly Polar Crystals. Applied Sciences (Switzerland), 2020, 10, 2059.	1.3	7
125	Modeling magnetic multipolar phases in density functional theory. Physical Review B, 2022, 106, .	1.1	7
126	Electronically driven phase transitions in a quasi-one-dimensional adsorbate system. European Physical Journal B, 2010, 75, 15-22.	0.6	6

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127	Comment on â€œCleavage surface of the BaFe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>â”</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:math>Co<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>As<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow /></mml:math>	1.1	6
128	Effective band structure of Ru-doped BaFe₂As₂. Journal of Physics: Conference Series, 2016, 689, 012027.	0.3	6
129	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>SrRuO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> heterostructure as a possible platform for studying unconventional superconductivity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2020, 101, .	1.1	6
130	Pressure-Induced Excitations in the Out-of-Plane Optical Response of the Nodal-Line Semimetal ZrSiS. Physical Review Letters, 2021, 127, 076402.	2.9	6
131	Modeling polarons in density functional theory: lessons learned from TiO₂. Journal of Physics Condensed Matter, 2022, 34, 204006.	0.7	6
132	Degenerate Phases of Iodine on Pt(110) at Half-Monolayer Coverage. Journal of Physical Chemistry C, 2014, 118, 29919-29927.	1.5	5
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