David E Graf

List of Publications by Year
in descending order

200 papers	7,520 citations	87888 38 h-index	60623 81 g-index
201 all docs	201 docs citations	201 times ranked	8089 citing authors

#	Article	IF	Citations
1	Tuning superconductivity in twisted bilayer graphene. Science, 2019, 363, 1059-1064.	12.6	1,460
2	Evidence of Topological Nodal-Line Fermions in ZrSiSe and ZrSiTe. Physical Review Letters, 2016, 117, 016602.	7.8	378
3	Dirac fermions and flat bands in the ideal kagome metal FeSn. Nature Materials, 2020, 19, 163-169.	27.5	367
4	Switching 2D magnetic states via pressure tuning of layer stacking. Nature Materials, 2019, 18, 1298-1302.	27.5	358
5	Dynamic band-structure tuning of graphene moirÃ© superlattices with pressure. Nature, 2018, 557, 404-408.	27.8	223
6	Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>MnB</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physi	3.6	204
7	Direct measurement of the upper critical field in cuprate superconductors. Nature Communications, 2014, 5, 3280.	12.8	171
8	Anisotropic giant magnetoresistance in NbSb2. Scientific Reports, 2014, 4, 7328.	3.3	158
9	Anomalous Thermal Conductivity and Magnetic Torque Response in the Honeycomb Magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mrow><mml:mi>RuCl</mml:mi> Physical Review Letters, 2017, 118, 187203.	7.8	153
10	Extreme magnetic field-boosted superconductivity. Nature Physics, 2019, 15, 1250-1254.	16.7	138
11	Vortex Dynamics and the Fulde-Ferrell-Larkin-Ovchinnikov State in a Magnetic-Field-Induced Organic Superconductor. Physical Review Letters, 2006, 97, 157001.	7.8	136
12	A magnetic topological semimetal Sr1â^'yMn1â^'zSb2 (y, z < 0.1). Nature Materials, 2017, 16, 905-910.	27.5	135
13	Quantum transport of two-dimensional Dirac fermions in SrMnBi<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>. Physical Review B, 2011, 84, .	3.2	127
14	Anisotropy of the Upper Critical Field in a Co-Doped BaFe₂As₂ Single Crystal. Journal of the Physical Society of Japan, 2009, 78, 084719.	1.6	117
15	Ï€ Berry phase and Zeeman splitting of Weyl semimetal TaP. Scientific Reports, 2016, 6, 18674.	3.3	117
16	Two-dimensional Dirac fermions and quantum magnetoresistance in CaMnBi<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>. Physical Review B, 2012, 85, .	3.2	114
17	Observation of Three-Dimensional Fermi Surfaces in a Single-Component Molecular Metal, [Ni(tmdt)2]. Journal of the American Chemical Society, 2004, 126, 10518-10519.	13.7	76
18	Nearly massless Dirac fermions hosted by Sb square net in BaMnSb2. Scientific Reports, 2016, 6, 30525.	3.3	75

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19	Magnetotransport study of Dirac fermions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>YbMnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></ Physical Review B, 2016, 94, .	3.2	74
20	Fermi surface reconstruction and multiple quantum phase transitions in the antiferromagnet CeRhIn ₅. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 673-678.	7.1	67
21	Extremely large nonsaturating magnetoresistance and ultrahigh mobility due to topological surface states in the metallic <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 topological insulator. Physical Review B, 2017, 95, .	3.2	63
22	Pseudogap phase of cuprate superconductors confined by Fermi surface topology. Nature Communications, 2017, 8, 2044.	12.8	60
23	Quantum oscillations studies of the topological semimetal candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>ZrGe</mml:mi><mml:mi>M</mml:mi><mml:mspace width="0.16em" /><mml:mo>(</mml:mo><mml:mi>M</mml:mi><mml:mo>=</mml:mo><mml:mi) Tj ETQq1 1 0.784314 rgBT /Overlock	3.2	60
24	Electron-hole asymmetry, Dirac fermions, and quantum magnetoresistance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaMnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></ Physical Review B, 2016, 93, .	3.2	59
25	High Magnetic Field Induced Charge Density Wave State in a Quasi-One-Dimensional Organic Conductor. Physical Review Letters, 2004, 93, 076406.	7.8	55
26	Multiband effects on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-FeSe single crystals. Physical Review B, 2012, 85, .	3.2	55
27	Linear-in temperature resistivity from an isotropic Planckian scattering rate. Nature, 2021, 595, 667-672.	27.8	55
28	Suppression of a charge-density-wave ground state in high magnetic fields: Spin and orbital mechanisms. Physical Review B, 2004, 69, .	3.2	53
29	de Haas-van Alphen effect of correlated Dirac states in kagome metal Fe3Sn2. Nature Communications, 2019, 10, 4870.	12.8	48
30	Weyl-mediated helical magnetism in NdAlSi. Nature Materials, 2021, 20, 1650-1656.	27.5	48
31	Quenched nematic criticality and two superconducting domes in an iron-based superconductor. Nature Physics, 2020, 16, 89-94.	16.7	46
32	Interplanar coupling-dependent magnetoresistivity in high-purity layered metals. Nature Communications, 2016, 7, 10903.	12.8	44
33	Large magnetoresistance in the type-II Weyl semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WP</mml:mi><mml:mn>2</mml:mn></mml:msub></ Physical Review B, 2017, 96, .	3.2	43
34	Noncollinear ferromagnetic Weyl semimetal with anisotropic anomalous Hall effect. Physical Review B, 2021, 103, .	3.2	42
35	Nonmetallic gasket and miniature plastic turnbuckle diamond anvil cell for pulsed magnetic field studies at cryogenic temperatures. High Pressure Research, 2011, 31, 533-543.	1.2	40
36	Crystallization of spin superlattices with pressure and field in the layered magnet SrCu2(BO3)2. Nature Communications, 2016, 7, 11956.	12.8	40

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37	Kitaev-type antiferromagnetic order and magnetic fieldâ€“temperature phase diagram in the spin-<ml:math xmlns:ml="http://www.w3.org/1998/Math/MathML"><ml:mfrac><ml:mn>1</ml:mn><ml:mn>2</ml:mn></ml:mfrac></ml rare-earth honeycomb compound <ml:math xmlns:ml="http://www.w3.org/1998/Math/MathML"><ml:mi>YbCl</ml:mi><ml:msub><ml:mrow	3.2	40
38	Quasi-two-dimensional Dirac fermions and quantum magnetoresistance in LaAgBi<ml:math xmlns:ml="http://www.w3.org/1998/Math/MathML" display="inline"><ml:msub><ml:mrow /><ml:mn>2</ml:mn></ml:msub></ml:math>. Physical Review B, 2013, 87, .	3.2	38
39	Pressure-dependent ground states and fermiology inÎ²â€²(BDAâ€²TTP)2MCl4(M=Fe,Ga). Physical Review B, 2004, 70, .	3.2	37
40	Fermi surface reconstruction in FeSe under high pressure. Physical Review B, 2016, 93, .	3.2	35
41	Unusual interlayer quantum transport behavior caused by the zeroth Landau level in YbMnBi2. Nature Communications, 2017, 8, 646.	12.8	35
42	Frustrated magnetism in the tetragonal CoSe analog of superconducting FeSe. Physical Review B, 2018, 97, .	3.2	35
43	Pressure-tuning the quantum spin Hamiltonian of the triangular lattice antiferromagnet Cs2CuCl4. Nature Communications, 2019, 10, 1064.	12.8	34
44	Evidence of two-dimensional flat band at the surface of antiferromagnetic kagome metal FeSn. Nature Communications, 2021, 12, 5345.	12.8	34
45	Evolution of magnetic interactions in a pressure-induced Jahn-Teller driven magnetic dimensionality switch. Physical Review B, 2013, 87, .	3.2	32
46	Complex superconductivity in the noncentrosymmetric compoundRe6Zr. Physical Review B, 2016, 94, .	3.2	32
47	Sensitivity of <ml:math xmlns:ml="http://www.w3.org/1998/Math/MathML"><ml:msub><ml:mi>T</ml:mi><ml:mi mathvariant="normal">c</ml:mi></ml:msub></ml:math> to pressure and magnetic field in the cuprate superconductor <ml:math xmlns:ml="http://www.w3.org/1998/Math/MathML"><ml:mrow><ml:msub><ml:mi>YBa</ml:mi><ml:mn>2</ml:mn></ml:m mathvariant="normal">O</ml:mi><ml:mi>y</ml:mi></ml:msub></ml:mrow></ml:math>. Physi	3.2	32
48	Tuning magnetic confinement of spin-triplet superconductivity. Npj Quantum Materials, 2020, 5, .	5.2	31
49	Evidence of Topological Two-Dimensional Metallic Surface States in Thin Bismuth Nanoribbons. ACS Nano, 2014, 8, 7506-7512.	14.6	30
50	Evidence for a Magnetic-Field-Induced Ideal Type-II Weyl State in Antiferromagnetic Topological Insulator <ml:math xmlns:ml="http://www.w3.org/1998/Math/MathML" display="inline"><ml:mrow><ml:mi>Mn</ml:mi><ml:msub><ml:mrow><ml:mo stretchy="false">(</ml:mo><ml:msub><ml:mrow><ml:mi>Bi</ml:mi></ml:mrow><ml:mrow><ml:mn>1</ml:mn><ml:mn>	8.9	30
51	Anomalous Magnetic Ground State in an<ml:math xmlns:ml="http://www.w3.org/1998/Math/MathML" display="inline"><ml:mrow><ml:msub><ml:mrow><ml:mi>LaAlO</ml:mi></ml:mrow><ml:mrow><ml:mn>3</ml:mn> Probed by Transport through Nanowires. Physical Review Letters, 2014, 113, 216801.	7.8	29
52	Phase Boundary in a Superconducting State of Îº-(BEDT-TTF)₂Cu(NCS)₂: Evidence of the Fuldeâ€“Ferrellâ€“Larkinâ€“Ovchinnikov Phase. Journal of the Physical Society of Japan, 2015, 84, 034703.	1.6	29
53	Wiedemann-Franz law in the underdoped cuprate superconductor<ml:math xmlns:ml="http://www.w3.org/1998/Math/MathML"><ml:mrow><ml:msub><ml:mi>YBa</ml:mi><ml:mn>2</ml:mn></ml:m mathvariant="normal">O</ml:mi><ml:mi>y</ml:mi></ml:msub></ml:mrow></ml:math>. Physical Review B, 2016, 93, .	3.2	29
54	A new organic superconductor, Î²-(BDA-TTP)2GaCl4[BDA-TTP = 2,5-(1,3-dithian-2-ylidene)-1,3,4,6-tetrathiapentalene]. Chemical Communications, 2003, , 2230-2231.	4.1	28

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55	Critical Doping for the Onset of Fermi-Surface Reconstruction by Charge-Density-Wave Order in the Cuprate Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>La</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn><mml:mn><m Physical Review X, 2016, 6, .	8.9	28
56	Shubnikovâ€“de Haas effect and Yamaji oscillations in the antiferromagnetically ordered organic superconductor Îº-(BETS)2FeBr4: a fermiology study. Solid State Communications, 2000, 116, 557-562.	1.9	27
57	Anomalous high-magnetic field electronic state of the nematic superconductors <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>FeSe</mml:mi><mml:mrow><mml:mn>1<m mathvariant="normal">S</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:mrow></mml:math>. Physical Review Research, 2020, 2, .	3.6	26
58	Unfolding the physics of URu2Si2 through silicon to phosphorus substitution. Nature Communications, 2016, 7, 10712.	12.8	25
59	Bulk Fermi Surfaces of the Dirac type-II Semimetallic Candidates <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>M</mml:mi><mml:msub><mml:mrow><mml:mi>Al</mml:mi></mml:mrow><mml:mrow><mml:mn> (Where <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 572 Td (displa	7.8	25
60	Scale-invariant magnetic anisotropy in RuCl3 at high magnetic fields. Nature Physics, 2021, 17, 240-244.	16.7	25
61	Magnetic-field-dependent interplay between incoherent and Fermi liquid transport mechanisms in low-dimensional ï„-phase organic conductors. Physical Review B, 2001, 64, .	3.2	24
62	Coexistence of Spin Density Waves and Superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>TMTSF</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 452 Td (stretchy="false">)</m	7.8	24
63	Physical Review Letters, 2014, 112, 146402. Fulde-Ferrell-Larkin-Ovchinnikov superconductivity in the layered organic superconductor Î²â€²-(BEDTâ^TTF)4[(H3O)Ga(C2O4)3]C6H5NO2. Physical Review B, 2018, 97, .	3.2	24
64	Exceptionally large anomalous Hall effect due to anticrossing of spin-split bands in the antiferromagnetic half-Heusler compound TbPtBi. Physical Review B, 2020, 101, .	3.2	24
65	Persistent photoexcited conducting states in functionalized pentacene. Journal of Applied Physics, 2004, 96, 3312-3318.	2.5	23
66	Discovery of quantum phases in the Shastry-Sutherland compound SrCu2(BO3)2 under extreme conditions of field and pressure. Nature Communications, 2022, 13, 2301.	12.8	23
67	Large magnetothermopower and Fermi surface reconstruction in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Sb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi> Physical Review B, 2014, 89, .	3.2	23
68	Magnetotransport properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>MoP</mml:mi><mml:mn>2</mml:mn></mml:msub></mml Physical Review B, 2017, 96, .	3.2	23
69	Quantum oscillation evidence for a topological semimetal phase in ZrSnTe. Physical Review B, 2018, 97, .	3.2	22
70	Nontrivial topology in the layered Dirac nodal-line semimetal candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>SrZnSb</mml:mi><mml:mn>2</mml:mn></mml:msub></ with distorted Sb square nets. Physical Review B, 2019, 100, .	3.2	22
71	Quantum-critical scale invariance in a transition metal alloy. Communications Physics, 2020, 3, .	5.3	22
72	Quantum Oscillation of Hall Resistance in the Extreme Quantum Limit of an Organic Conductor(TMTSF)2ClO4. Physical Review Letters, 2005, 94, 077206.	7.8	21

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73	Pressure evolution of a field-induced Fermi surface reconstruction and of the NÃ©el critical field in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>CeIn</mml:mtext></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2009, 79, .	3.2	21
74	Fermi surface ofÎ±-uranium at ambient pressure. Physical Review B, 2009, 80, .	3.2	21
75	Large Fermi Surface of Heavy Electrons at the Border of Mott Insulating State in NiS2. Scientific Reports, 2016, 6, 25335.	3.3	21
76	Weak antilocalization effect due to topological surface states in Bi2Se2.1Te0.9. Journal of Applied Physics, 2017, 122, .	2.5	21
77	Engineering Dirac Materials: Metamorphic InAs_{1â€“x}Sb_x/InAs_{1â€“y}Sb_y Angular-dependent upper critical field of overdoped Ba(Fe,Co)2As2 xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml: Possible devil's staircase in the Kondo lattice CeSbSe. Physical Review B, 2017, 96, .	9.1	21
78	Angular-dependent upper critical field of overdoped Ba(Fe,Co)2As2 xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml: Possible devil's staircase in the Kondo lattice CeSbSe. Physical Review B, 2017, 96, .	3.2	20
79	Possible devil's staircase in the Kondo lattice CeSbSe. Physical Review B, 2017, 96, .	3.2	20
80	Fermi surface transformation at the pseudogap critical point of a cuprate superconductor. Nature Physics, 2022, 18, 558-564.	16.7	20
81	The family of molecular conductors [(n-Bu)4N]2[M(dcbdt)2]5, M = Cu, Ni, Au; band filling and stacking modulation effects. Journal of Materials Chemistry, 2008, 18, 2825.	6.7	19
82	Pressure-Dependent Metallic and Superconducting Phases in a Germanium Artificial Metal. Physical Review Letters, 2009, 102, 237001.	7.8	19
83	Interlayer electronic transport in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CaMnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2016, 94, .	3.2	19
84	Interplay of magnetism and transport in HoBi. Physical Review B, 2018, 98, .	3.2	19
85	Anisotropy of the Seebeck Coefficient in the Cuprate Superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>YBa</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi>Cu</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review X, 2017, 7, .	8.9	18
86	Fermi Surface with Dirac Fermions in CaFeAsF Determined via Quantum Oscillation Measurements. Physical Review X, 2018, 8, .	8.9	18
87	Topologically driven linear magnetoresistance in helimagnetic FeP. Npj Quantum Materials, 2021, 6, .	5.2	18
88	Electronic and magnetic structure of neutral radical FBBO. Physical Review B, 2014, 89, .	3.2	17
89	Pressure tuning the Fermi level through the Dirac point of giant Rashba semiconductor BiTeI. Journal of Physics Condensed Matter, 2014, 26, 342202.	1.8	17
90	Quantum oscillations in metallicSb2Te2Setopological insulator. Physical Review B, 2017, 95, .	3.2	17

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91	Transitions inSr2RuxIr1â^'xO4compounds studied by the99RuMÃ¶ssbauer effect. Physical Review B, 1999, 60, 7570-7574.	3.2	15
92	Pressure dependence of the BaFe2As2Fermi surface within the spin density wave state. Physical Review B, 2012, 85, .	3.2	15
93	Simultaneous detection of quantum oscillations from bulk and topological surface states in metallic. Philosophical Magazine, 2017, 97, 1740-1754.	1.6	15
94	Enhancement of the effective mass at high magnetic fields in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CeRhIn</mml:mi><mml:mn>5</mml:mn></mml:msub></ Physical Review B, 2019, 99, .	3.2	15
95	Quantum Transport of the 2D Surface State in a Nonsymmorphic Semimetal. Nano Letters, 2021, 21, 4887-4893.	9.1	15
96	Quantum oscillations in the field-induced ferromagnetic state of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mn</mml:mi><mml:msub><mml:mi>Bi</mml:mi> Physical Review B, 2021, 103, .	3.2	15
97	Expansion of the high field-boosted superconductivity in UTe2 under pressure. Npj Quantum Materials, 2021, 6, .	5.2	15
98	Evolution of superconductivity from a charge-density-wave ground state in pressurized (Per) ₂ [Au(mnt) ₂]. Europhysics Letters, 2009, 85, 27009.	2.0	14
99	Structural Anomalies Associated with Antiferromagnetic Transition of Single-Component Molecular Metal [Au(tmdt)₂]. Inorganic Chemistry, 2009, 48, 10151-10157.	4.0	14
100	Temperature-pressure phase diagram of cubic Laves phaseAu2Pb. Physical Review B, 2016, 93, .	3.2	14
101	Giant Pressure Dependence and Dimensionality Switching in a Metal-Organic Quantum Antiferromagnet. Physical Review Letters, 2018, 121, 117201.	7.8	14
102	Localized 4f-electrons in the quantum critical heavy fermion ferromagnet CeRh6Ge4. Science Bulletin, 2021, 66, 1389-1394.	9.0	14
103	Effect of heavy-ion irradiation on London penetration depth in overdoped Ba(Fe1â^'xCox)2As2. Physical Review B, 2013, 88, .	3.2	13
104	Absence of Dirac states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>BaZnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></ induced by spin-orbit coupling. Physical Review B, 2018, 97, .	3.2	13
105	Origin of the butterfly magnetoresistance in a Dirac nodal-line system. Physical Review B, 2019, 100, .	3.2	13
106	Magnetic field dependent behavior of the CDW ground state in Per2M(mnt)2 (M=Au, Pt). Current Applied Physics, 2006, 6, 913-918.	2.4	12
107	High resolution miniature dilatometer based on an atomic force microscope piezocantilever. Review of Scientific Instruments, 2009, 80, 116101.	1.3	12
108	Phase diagram of URu _{2â€“ x} Fe _x Si ₂ in high magnetic fields. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9826-9831.	7.1	12

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109	Emergent bound states and impurity pairs in chemically doped Shastry-Sutherland system. Nature Communications, 2019, 10, 2439.	12.8	12
110	Electronic, Magnetic, and Theoretical Characterization of (NH₄)₄UF₈, a Simple Molecular Uranium(IV) Fluoride. Inorganic Chemistry, 2019, 58, 637-647.	4.0	12
111	Determination of Band-filling Change in the Two-dimensional Organic Conductor, Ï„-(EDO-S,S-DMEDT-TTF)2(AuBr2)1+y, (y â‰ˆ0.875) by the Quantum Oscillation of Magnetoresistance. Journal of the Physical Society of Japan, 2005, 74, 417-424.	1.6	11
112	Superconducting subphase in the layered perovskite ruthenate<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> a parallel magnetic field. Physical Review B, 2016, 93, .	3.2	11
113	Large magnetoresistance and Fermi surface study of Sb2Se2Te single crystal. Journal of Applied Physics, 2017, 122, 125901.	2.5	11
114	Ferromagnetic quantum critical point in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CePd</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> with mathvariant="normal">P</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> with Pd <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>â†'</mml:mo></mml:math> Ni substitution. Physical Review B, 2018, 97, .	3.2	11
115	Electrical and magnetic properties of thin films of the spin-filter material CrVTiAl. Physical Review B, 2019, 99, .	3.2	11
116	Enhanced thermoelectric performance of heavy-fermion compounds Yb TM ₂ Zn ₂₀ (TM = Co, Rh, Ir) at low temperatures. Science Advances, 2019, 5, eaaw6183.	10.3	11
117	Structural and electronic properties of the spin-filter material CrVTiAl with disorder. Journal of Applied Physics, 2019, 125, .	2.5	11
118	Signatures of a Quantum Griffiths Phase Close to an Electronic Nematic Quantum Phase Transition. Physical Review Letters, 2021, 127, 246402.	7.8	11
119	Quantum interference in the quasi-one-dimensional organic conductor(Per)2Au(mnt)2. Physical Review B, 2007, 75, .	3.2	10
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