

# Paul C Canfield

## List of Publications by Year in descending order

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576  
papers

28,331  
citations

5782

84  
h-index

9865

146  
g-index

582  
all docs

582  
docs citations

582  
times ranked

13337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Small-moment antiferromagnetic ordering in single-crystalline $\text{LaCe}_2\text{Sb}_2$ . Physical Review B, 2022, 105, .	2.1	0
2	Topological magnetic hysteresis in single crystals of $\text{CeAgSb}_2$ ferromagnet. Journal of Physics Condensed Matter, 2022, 34, 145802.	0.7	2
3	Temperature dependent striction effect in a single crystalline $\text{Nd}_2\text{Fe}_{14}\text{B}$ revealed using a novel high temperature resistivity measurement technique. Measurement Science and Technology, 2022, 33, 055901.	1.4	0
4	Effects of external pressure on the narrow-gap semiconductor $\text{CeMn}_3\text{Sb}_5$ . Physical Review B, 2022, 105, .	1.3	0
5	Magnetisation and magneto-transport measurements on $\text{CeBi}$ single crystals. Philosophical Magazine, 2022, 102, 542-558.	0.7	6
6	Emergence of Fermi arcs due to magnetic splitting in an antiferromagnet. Nature, 2022, 603, 610-615.	13.7	25
7	Tuning of Cr Magnetic Exchange through Chalcogenide Linkers in $\text{Cr}_2$ Molecular Dimers. Inorganic Chemistry, 2022, 61, 6160-6174.	1.9	1
8	Spin-polarized imaging of strongly interacting fermions in the ferrimagnetic state of the Weyl candidate $\text{CeBi}$ . Physical Review B, 2022, 105, .	1.1	5
9	Low-Temperature Competing Magnetic Energy Scales in the Topological Ferrimagnet $\text{TbMn}_6\text{Sb}_8$ . Physical Review X, 2022, 12, .	2.8	10
10	Effects of magnetic and non-magnetic doping on the vortex lattice in $\text{MgB}_2$ . Journal of Applied Crystallography, 2022, 55, 693-701.	1.9	2
11	Use of Refractory Volatile Element Deep Eutectic Regions to Grow Single Crystalline Intermetallic Compounds. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	0.6	6
12	Pseudo-Polymorphism in Layered $\text{FeS}$ Intercalates: A Competition between Charged and Neutral Guest Species. Chemistry of Materials, 2022, 34, 5397-5408.	3.2	4
13	Superconductivity and phase diagrams of $\text{CaKMo}_3$ . Physical Review B, 2022, 105, .	1.0	0
14	Superconducting density of states and band structure at the surface of the candidate topological superconductor $\text{AuPb}_2$ . Physical Review Research, 2022, 4, .	1.3	6
15	Uniaxial compression of [001]-oriented $\text{CaFe}_2\text{As}_2$ single crystals: the effects of microstructure and temperature on superelasticity Part I: Experimental observations. Acta Materialia, 2021, 203, 116464.	3.8	4
16	Anisotropic superconductivity in the spin-vortex antiferromagnetic superconductor $\text{CaKMo}_3$ . Physical Review B, 2021, 103, .	1.0	2
17	Avoided ferromagnetic quantum critical point in pressurized $\text{LaMn}_5$ . Physical Review B, 2021, 103, .	0.9	5
18	Formation of short-range magnetic order and avoided ferromagnetic quantum criticality in pressurized $\text{LaCrGe}_3$ . Physical Review B, 2021, 103, .	1.1	21

#	ARTICLE	IF	CITATIONS
19	Substantial reduction of the anisotropy in the critical current densities $J_c$ of Ni-doped $\text{CaKFe}_4\text{As}_4$ single crystals by chemical and irradiation-induced disorder. Superconductor Science and Technology, 2021, 34, 035013.	1.8	3
20	Evidence for a large Rashba splitting in $\text{PtPb}_4$ from angle-resolved photoemission spectroscopy. Physical Review B, 2021, 103, .	1.1	3
21	Magnetic crystalline-symmetry-protected axion electrodynamics and field-tunable unpinned Dirac cones in $\text{Euln}_2\text{As}_2$ . Nature Communications, 2021, 12, 999.	5.8	44
22	Discovery of a weak topological insulating state and van Hove singularity in triclinic $\text{RhBi}_2$ . Nature Communications, 2021, 12, 1855.	5.8	15
23	Comment on "Unconventional enhancement of ferromagnetic interactions in Cd-doped $\text{GdFe}_2\text{Zn}_{20}$ single crystals studied by ESR and $^{57}\text{Fe}$ Mössbauer spectroscopies". Physical Review B, 2021, 103, .	1.1	3
24	Magnetic properties of the itinerant ferromagnet $\text{LaCrGe}_3$ under pressure studied by NMR. Physical Review B, 2021, 103, .	1.1	8
25	Flat band carrier confinement in magic-angle twisted bilayer graphene. Nature Communications, 2021, 12, 4180.	5.8	22
26	Ubiquity of amplitude-modulated magnetic ordering in the $\text{H}^T$ phase diagram of the frustrated non-Fermi-liquid $\text{YbAgGe}$ . Physical Review B, 2021, 104, .	1.1	0
27	Pseudoelasticity of $\text{SrNi}_2\text{P}_2$ Micropillar via Double Lattice Collapse and Expansion. Nano Letters, 2021, 21, 7913-7920.	4.5	2
28	Magnetic field induced softening of spin waves and hard-axis order in the Kondo-lattice ferromagnet $\text{CeAgSb}_2$ . Physical Review B, 2021, 104, .	1.1	2
29	Construction of $\text{AB}_2$ heterolayer intermetallic crystals: Case studies of the 1144-phase TM-phosphides $\text{AB}_2$ (TM) $\text{Ln}_2\text{Mn}_4\text{P}_4$	0.9	3
30	Unconventional supercurrent phase in Ising superconductor Josephson junction with atomically thin magnetic insulator. Nature Communications, 2021, 12, 5332.	5.8	27
31	Simplified feedback control system for scanning tunneling microscopy. Review of Scientific Instruments, 2021, 92, 103705.	0.6	5
32	Pressure-induced ferromagnetism in the topological semimetal $\text{Eu}_2\text{Cd}_2\text{As}_2$ . Physical Review B, 2021, 104, .	1.1	3
33	Phase diagram of $\text{Ce}_2\text{Sb}_3$ from magnetostriction and magnetization measurements: Evidence for ferrimagnetic and antiferromagnetic states. Physical Review B, 2021, 104, .	1.1	3
34	A Low-Temperature Structural Transition in Canfieldite, $\text{Ag}_8\text{Sn}_6$ , Single Crystals. Inorganic Chemistry, 2021, 60, 19345-19355.	1.9	3
35	Visualizing band selective enhancement of quasiparticle lifetime in a metallic ferromagnet. Nature Communications, 2021, 12, 7169.	5.8	4
36	New materials physics. Reports on Progress in Physics, 2020, 83, 016501.	8.1	69

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37	Enhancement of critical current density in $\text{CaKFeAs}_4$ single crystals through 3 MeV proton irradiation. Superconductor Science and Technology, 2020, 33, 025008.	1.8	7
38	Pressure tuning of structural and magnetic transitions in $\text{EuAg}_4\text{As}_2$ . Physical Review B, 2020, 101, .	1.1	7
39	Magnetism and its coexistence with superconductivity in $\text{CaKFeAs}_4$ . Physical Review B, 2020, 102, .	1.1	4
40	Clathrate $\text{BaNi}_2\text{P}_4$ : An Interplay of Heat and Charge Transport Due to Strong Host-Guest Interactions. Chemistry of Materials, 2020, 32, 7932-7940.	3.2	9
41	Hydrostatic and Uniaxial Pressure Tuning of Iron-Based Superconductors: Insights into Superconductivity, Magnetism, Nematicity, and Collapsed Tetragonal Transitions. Annalen Der Physik, 2020, 532, 2000248.	0.9	18
42	Characterization of the pressure coefficient of manganin and temperature evolution of pressure in piston-cylinder cells. Review of Scientific Instruments, 2020, 91, 095103.	0.6	7
43	Tuning of charge density wave transitions in $\text{LaAu}_2$ by pressure and Au stoichiometry. Physical Review B, 2020, 102, .	1.1	1
44	Extremely Weakly Interacting $\hat{I}^{\text{S}}\text{z}=0$ and $\hat{I}^{\text{S}}\text{z}=1$ Excitations and Evidence for Fractional Quantization in a Magnetization Plateau: CeSb. Physical Review Letters, 2020, 125, 247203.	2.9	2
45	Impact of nematicity on the relationship between antiferromagnetic fluctuations and superconductivity in $\text{FeSeS}$ . Physical Review B, 2020, 101, .	1.1	1
46	Quantum phase transition inside the superconducting dome of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ from diamond-based optical magnetometry. New Journal of Physics, 2020, 22, 053037.	1.2	13
47	Exceedingly small moment itinerant ferromagnetism of single crystalline $\text{La}_5\text{K}_2\text{Fe}_2\text{As}_8$ . Physical Review B, 2020, 101, .	1.1	1
48	Tuning the Intrinsic Anisotropy with Disorder in the $\text{CaKFeAs}_4$ Superconductor. Physical Review Applied, 2020, 13, .	1.5	26
49	Study of the ferromagnetic quantum phase transition in $\text{Ce}_3\text{Mg}_x\text{Co}_9$ . Philosophical Magazine, 2020, 100, 1607-1619.	0.7	6
50	Measurements of elastoresistance under pressure by combining in-situ tunable quasi-uniaxial stress with hydrostatic pressure. Review of Scientific Instruments, 2020, 91, 023904.	0.6	3
51	Manipulating magnetism in the topological semimetal $\text{EuCd}_2\text{As}_2$ . Physical Review B, 2020, 101, .	1.1	1
52	Competing pairing interactions responsible for the large upper critical field in a stoichiometric iron-based superconductor $\text{CaKFe}_4\text{As}_8$ . Physical Review B, 2020, 101, .	1.1	22
53	Electron irradiation effects on superconductivity in $\text{PdTe}_2$ : An application of a generalized Anderson theorem. Physical Review Research, 2020, 2, .	1.3	25
54	Prediction of spin polarized Fermi arcs in quasiparticle interference in CeBi. Physical Review B, 2020, 102, .	1.1	7

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55	Single pair of Weyl fermions in the half-metallic semimetal $\text{EuC}_2\text{d}_2\text{A}_2\text{s}$ . Physical Review B, 2019, 100, .	1.1	83
56	Role of the Fermi surface for the pressure-tuned nematic transition in the $\text{BaFe}_2\text{As}_2$ family. Physical Review B, 2019, 100, .	1.1	10
57	Interplay between superconductivity and itinerant magnetism in underdoped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ ( $x \approx 0.2$ ) probed by the response to controlled point-like disorder. Npj Quantum Materials, 2019, 4, .	1.8	15
58	Ultrahigh elastically compressible and strain-engineerable intermetallic compounds under uniaxial mechanical loading. APL Materials, 2019, 7, .	2.2	8
59	Electrodynamics response of $\text{Ba}(\text{Fe}_{1-x}\text{R}_x)_2\text{As}_2$ across the $s_{\pm}$ to $s_{++}$ order parameter transition. European Physical Journal: Special Topics, 2019, 228, 719-723.	1.2	16
60	Bulk Superconductivity and Role of Fluctuations in the Iron-Based Superconductor FeSe at High Pressures. Physical Review Letters, 2019, 123, 167002.	2.9	19
61	Magnetic fluctuations in the itinerant ferromagnet $\text{LaCrGe}_3$ studied by NMR. Physical Review B, 2019, 100, .	1.1	4
62	Effect of Ni doping on vortex pinning in $\text{CaKFe}_4\text{As}_8$ . Physical Review B, 2019, 100, .	1.1	14
63	Multiple ferromagnetic transitions and structural distortion in the van der Waals ferromagnet $\text{VI}_3$ ambient and finite pressures. Physical Review B, 2019, 100, .	1.1	33
64	Analysis of the London penetration depth in Ni-doped $\text{CaKFe}_4\text{As}_8$ . Physical Review B, 2019, 100, .	1.1	11
65	Enhancement of interlayer exchange in an ultrathin two-dimensional magnet. Nature Physics, 2019, 15, 1255-1260.	6.5	165
66	Single-Crystal Permanent Magnets: Extraordinary Magnetic Behavior in the Ta-, Cu-, and Fe-Substituted $\text{CeCo}_5$ Systems. Physical Review Applied, 2019, 11, .	1.5	15
67	Fragility of Fermi arcs in Dirac semimetals. Physical Review B, 2019, 99, .	1.1	19
68	Mg assisted flux growth and characterization of single crystalline $\text{Sm}_2\text{Co}_{17}$ . AIP Advances, 2019, 9, 035138.	0.6	1
69	Anisotropy induced vortex lattice rearrangement in $\text{CaKFe}_4\text{As}_8$ . Physical Review B, 2019, 99, .	1.1	11
70	Structural and magnetic properties of the $\text{CeCo}_5$ - $\text{CeZn}_5$ solid solution and potential improvements upon iron substitution. Journal of Magnetism and Magnetic Materials, 2019, 482, 192-200.	1.0	3
71	Nematicity in the superconducting mixed state of strain detwinned underdoped $\text{Ba}(\text{Fe}_{1-x}\text{R}_x)_2\text{As}_2$ . Physical Review B, 2019, 99, .	1.1	6
72	A neutron diffraction demonstration of long-range magnetic order in the quasicrystal approximant $\text{DyCd}_6$ . AIP Advances, 2019, 9, .	0.6	6

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73	Use of Cernox thermometers in AC specific heat measurements under pressure. Review of Scientific Instruments, 2019, 90, 023911.	0.6	17
74	Pressure-temperature phase diagram of the EuRbFe <sub>4</sub> As <sub>4</sub> superconductor. Physical Review B, 2019, 99, .	1.1	10
75	Magnetoelastoresistance in WTe <sub>2</sub> : Exploring electronic structure and extremely large magnetoresistance under strain. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25524-25529.	3.3	19
76	Effect of pressure on the physical properties of the superconductor NiBi <sub>3</sub> . Journal of Physics Condensed Matter, 2019, 31, 035701.	0.7	9
77	Quadratic to linear magnetoresistance tuning in $TmB_4$ . Physical Review B, 2019, 99, .	1.1	10
78	Measuring the Lower Critical Field of Superconductors Using Nitrogen-Vacancy Centers in Diamond Optical Magnetometry. Physical Review Applied, 2019, 11, .	1.5	27
79	Near room temperature antiferromagnetic ordering with a potential low-dimensional magnetism in $AlMn_2B_2$ . Physical Review B, 2019, 99, .	0.9	1
80	Physical properties of $RBi_4$ . Physical Review B, 2019, 99, .	0.9	1
81	Ferromagnetism versus slow paramagnetic relaxation in Fe-doped $LiN_3$ . Physical Review B, 2018, 97, .	3.1	16
82	Transformation of a Pauli Paramagnet into a Strong Permanent Magnet. Physical Review Applied, 2018, 9, .	1.5	21
83	Extreme Field Sensitivity of Magnetic Tunneling in Fe-Doped $LiN_3$ . Physical Review Letters, 2018, 120, 147202.	1.5	21
84	In-plane magnetic penetration depth of superconducting $CaKFe_4As_4$ . Physical Review B, 2018, 97, .	1.1	10
85	Pressure dependence of coherence-incoherence crossover behavior in KFe <sub>2</sub> As <sub>2</sub> observed by resistivity and As <sup>75</sup> -NMR/NQR. Physical Review B, 2018, 97, .	1.1	10
86	<sup>75</sup> As NMR and XRD Study of Structural and Electronic Inhomogeneities in Ba(Fe <sub>1-x</sub> Ni <sub>x</sub> ) <sub>2</sub> As <sub>2</sub> . Journal of Superconductivity and Novel Magnetism, 2018, 31, 3289-3295.	0.8	0
87	Hedgehog spin-vortex crystal stabilized in a hole-doped iron-based superconductor. Npj Quantum Materials, 2018, 3, .	1.8	85
88	Shear localization and size-dependent strength of YCd <sub>6</sub> quasicrystal approximant at the micrometer length scale. Journal of Materials Science, 2018, 53, 6980-6990.	1.7	3
89	Quantum tricritical point in the temperature-pressure-magnetic field phase diagram of $CeTiGe_3$ . Physical Review B, 2018, 97, .	1.1	10
90	Defect structures in solution-grown single crystals of the intermetallic compound Ag <sub>3</sub> Sn. Journal of Materials Science, 2018, 53, 5317-5328.	1.7	6

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91	Direct visualization of phase separation between superconducting and nematic domains in Co-doped $\text{CaFe}_2\text{As}_2$ close to a first-order phase transition. <i>Physical Review B</i> , 2018, 97, .	1.1	14
92	Probing magnetism in 2D van der Waals crystalline insulators via electron tunneling. <i>Science</i> , 2018, 360, 1218-1222.	6.0	668
93	Using first-principles calculations to screen for fragile magnetism: Case study of $\text{LaCrGe}$ and $\text{LaCrSb}_3$ .	1.1	6
94	Pressure-tuned superconductivity and normal-state behavior in $\text{Ba}(\text{MoO}_4)_2$ . <i>Physical Review B</i> , 2018, 97, .	1.1	5
95	Robust $s$ - $d$ pairing in $\text{CaK}$ .	1.1	16
96	Influence of multiband sign-changing superconductivity on vortex cores and vortex pinning in stoichiometric high- $T_c$ $\text{Ba}(\text{MoO}_4)_2$ . <i>Physical Review B</i> , 2018, 97, .	1.1	45
97	Uniaxial strain control of spin-polarization in multicomponent nematic order of $\text{BaFe}_2\text{As}_2$ . <i>Nature Communications</i> , 2018, 9, 1058.	5.8	41
98	On magnetic structure of $\text{CuFe}_2\text{Ge}_2$ : Constrains from the $^{57}\text{Fe}$ Mössbauer spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 446, 260-263.	1.0	3
99	Ferromagnetic quantum criticality: New aspects from the phase diagram of $\text{LaCrGe}$ . <i>Physica B: Condensed Matter</i> , 2018, 536, 483-487.	1.3	9
100	Single crystal growth and magnetic properties of the mixed valent Yb containing Zintl phase, $\text{Yb}_{14}\text{MgSb}_{11}$ . <i>Chemical Communications</i> , 2018, 54, 12946-12949.	2.2	17
101	Collapse of the Kondo state and ferromagnetic quantum phase transition in $\text{YbFe}_2\text{Zn}_{20}$ . <i>Physical Review B</i> , 2018, 98, .	1.1	5
102	Nonequilibrium Pair Breaking in $\text{Ba}(\text{MoO}_4)_2$ .	2.9	18
103	Pressure-induced multiple phase transformations of the $\text{BaBi}_3$ superconductor. <i>Physical Review B</i> , 2018, 98, .	1.1	8
104	Hedgehog Spin-Vortex Crystal Antiferromagnetic Quantum Criticality in $\text{CaK}(\text{FeO})_2$ .	2.9	17
105	Electronic structure of the topological superconductor candidate $\text{Au}_2\text{S}$ . <i>Physical Review B</i> , 2018, 98, .	1.3	13
106	Effect of nickel substitution on magnetism in the layered van der Waals ferromagnet $\text{Fe}_3\text{S}_2$ . <i>Physical Review B</i> , 2018, 98, .	1.3	12
107	Coexistence of superconductivity and magnetism in $\text{CaK}(\text{FeO})_2$ .	1.1	17
108	High- $T_c$ superconductivity in $\text{CaKFe}_4$ in absence of nematic fluctuations. <i>Physical Review B</i> , 2018, 98, .	1.1	17

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109	Effects of point defects on the mechanical response of LaRu <sub>2</sub> P <sub>2</sub> . Acta Materialia, 2018, 160, 224-234.	3.8	7
110	Imaging orbital-selective quasiparticles in the Hund's metal state of FeSe. Nature Materials, 2018, 17, 869-874.	13.3	86
111	Disorder-Driven Transition from $s$ to $s \pm$ Superconducting Order Parameter in Proton Irradiated $\text{CaK}$ Superconductors. Physical Review B, 2018, 97, .	2.9	42
112	Pressure-temperature phase diagrams of $\text{CaK}$ superconductors. Physical Review B, 2018, 97, .	1.1	5
113	Universal doping evolution of the superconducting gap anisotropy in single crystals of electron-doped $\text{Ba}(\text{Fe}_{1-x}\text{Rh}_x)_2\text{As}_2$ from London penetration depth measurements. Journal of Physics Condensed Matter, 2018, 30, 225602.	0.7	2
114	Doping evolution of spin fluctuations and their peculiar suppression at low temperatures in $\text{Ca}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ . Physical Review B, 2018, 97, .	1.1	5
115	Antiferromagnetic order in $\text{CaK}$ and its interplay with su. Physical Review B, 2018, 97, .	1.1	5
116	Vibrational anomalies in $\text{FeAs}_2$ () Tj ETQq0 0 Or BT / Overflock 10 Tf	1.1	5
117	Persistent correlation between superconductivity and antiferromagnetic fluctuations near a nematic quantum critical point in $\text{FeSe}$ . Physical Review B, 2018, 98, .	1.1	5
118	Nodeless superconductivity in the type-II Dirac semimetal $\text{PdTe}_2$ : London penetration depth and pairing-symmetry analysis. Physical Review B, 2018, 98, .	1.1	5
119	Indication of subdominant d-wave interaction in superconducting $\text{CaKFe}_4\text{As}_4$ . Physical Review B, 2018, 98, .	1.1	14
120	Multi-band effects in in-plane resistivity anisotropy of strain-detwinned disordered $\text{Ba}(\text{Fe}_{1-x}\text{Ru}_x)_2\text{As}_2$ . Journal of Physics Condensed Matter, 2018, 30, 315601.	0.7	7
121	A Nanoindentation Study of the Plastic Deformation and Fracture Mechanisms in Single-Crystalline $\text{CaFe}_2\text{As}_2$ . Jom, 2018, 70, 1074-1080.	0.9	4
122	Spatially-resolved study of the Meissner effect in superconductors using NV-centers-in-diamond optical magnetometry. New Journal of Physics, 2018, 20, 043010.	1.2	26
123	Giant microwave absorption in fine powders of superconductors. Scientific Reports, 2018, 8, 11480.	1.6	5
124	Trends in pressure-induced layer-selective half-collapsed tetragonal phases in the iron-based superconductor family $\text{AeFe}_4\text{As}_4$ . Physical Review B, 2018, 98, .	0.9	57
125	Stoichiometric high- $T_c$ superconductor $\text{CaKFe}_4\text{As}_4$	0.9	57
126	Magnetic properties of single crystalline itinerant ferromagnet $\text{AlFe}_2\text{B}$ . Physical Review Materials, 2018, 2, .	0.9	30



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127	superconductivity in the phase diagram of single-crystalline $\text{YBaCuO}$		
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145	Superelastic and micaceous deformation in the intermetallic compound CaFe <sub>2</sub> As <sub>2</sub> . Scripta Materialia, 2017, 141, 10-14. Electronic structure of $R\text{Sb}$	2.6	8
146	( $T_j$ ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>R</mml:mi><mml:mi>Sb</mml:mi></mml:msub></mml:mrow></mml:math>	1.1	41
147	angle-resolved photoemission spectroscopy. Physical Review B, 2017, 96, . Discovery of orbital-selective Cooper pairing in FeSe. Science, 2017, 357, 75-80.	6.0	283
148	<sup>57</sup> Fe Mössbauer study of stoichiometric iron-based superconductor CaKFe <sub>4</sub> As <sub>4</sub> : a comparison to KFe <sub>2</sub> As <sub>2</sub> and CaFe <sub>2</sub> As <sub>2</sub> . Philosophical Magazine, 2017, 97, 2689-2703.	0.7	13
149	Collapsed tetragonal phase transition in LaRu <sub>2</sub> P <sub>2</sub> . Physical Review B, 2017, 96, . Critical speeding up of nonequilibrium electronic relaxation near nematic phase transition in unstrained Ba	1.1	10
150	( $T_j$ ETQq0 0 0 rgBT /Overlock 10 Tf 50 702 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Tj</mml:mi></mml:msub></mml:math>	1.1	16
151	xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Rh</mml:mi><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:math> <math>S</math> <math>4</math> Physical Review B, 2017, 95, . Vortex creep at very low temperatures in single crystals of the extreme type-II superconductor $Rh_4S_4$	1.1	13
152	The solidification of Al <sup>+</sup> Pd <sup>+</sup> Mn studied by high-energy X-ray diffraction from electrostatically levitated samples. Zeitschrift Fur Kristallographie - Crystalline Materials, 2017, 232, 619-627.	0.4	0
153	Pressure induced change in the electronic state of $Ta_4K$ Physical Review B, 2017, 95, .	1.1	18
154	Phonon-induced topological transition to a type-II Weyl semimetal. Physical Review B, 2017, 95, .	1.1	18
155	Highly responsive ground state of $PbTaSe_2$ : Structural phase transition and evolution of superconductivity under pressure. Physical Review B, 2017, 95, .	1.1	13
156	NMR study of the new magnetic superconductor $CaK$ : Microscopic coexistence of the hed. Physical Review B, 2017, 96, .	1.1	13
157	Local nematic susceptibility in stressed $BaFe_2As_2$ from NMR electric field gradient measurements. Physical Review B, 2017, 96, .	1.1	13
158	Characterization of Dislocations in Single-Crystalline Ag <sub>3</sub> Sn Intermetallic Alloys. Microscopy and Microanalysis, 2017, 23, 760-761.	0.2	0
159	Nuclear magnetic resonance probe head design for precision strain control. Review of Scientific Instruments, 2017, 88, 103902.	0.6	8
160	Optimization of the crystal growth of the superconductor $CaKFe_4As_4$ from solution in the $FeAs$ Physical Review Materials, 2017, 1, .	0.9	63
161	Enhancement of the Superconducting Gap by Nesting in $CaKFe_4As_4$ A New High Temperature Superconductor. Physical Review Letters. 2016. 117. 277001.	2.9	71
162	Discovery of ferromagnetism with large magnetic anisotropy in ZrMnP and HfMnP. Applied Physics Letters, 2016, 109, .	1.5	24

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163	Combined effects of Sr substitution and pressure on the ground states in CaFe <sub>2</sub> As <sub>2</sub> . Physical Review B, 2016, 94, .	1.1	5
164	NMR study of nematic spin fluctuations in a detwinned single crystal of underdoped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ . Physical Review B, 2016, 94, .	1.1	21
165	Pressure-induced superconductivity in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ . Physical Review B, 2016, 94, .	1.1	21
166	Dirac node arcs in PtSn <sub>4</sub> . Nature Physics, 2016, 12, 667-671.	6.5	223
167	Use of frit-disc crucibles for routine and exploratory solution growth of single crystalline samples. Philosophical Magazine, 2016, 96, 84-92.	0.7	196
168	On the determination of hardness and elastic modulus in BaFe <sub>2</sub> As <sub>2</sub> lamellar-like material. Journal of Materials Research, 2016, 31, 1413-1422.	1.2	8
169	Anisotropic thermodynamic and transport properties of single-crystalline $\text{CaKFe}_4\text{As}_{10}$ . Physical Review B, 2016, 94, .	1.1	16
170	Ferromagnetic Quantum Critical Point Avoided by the Appearance of Another Magnetic Phase in $\text{LaCrGe}$ . Physical Review Letters, 2016, 117, 037207.	2.9	47
171	Enhancement of superconducting transition temperature by pointlike disorder and anisotropic energy gap in FeSe single crystals. Physical Review B, 2016, 94, .	1.1	50
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308	<p>Thermoelectric power of <math>\text{Ba}(\text{Fe}_{1-x}\text{Ni}_x)_2\text{As}_2</math></p>	1.1	57
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