

Bernd BÃ¼chner

List of Publications by Year in descending order

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1,130
papers

35,834
citations

4120

87
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11288

136
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1141
all docs

1141
docs citations

1141
times ranked

27675
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Physical Properties of Iridium-Based Sulfide $\text{CaIr}_4\text{S}_6(\text{S}_2)$ [$x = 0.23 \pm 0.03$]. <i>Electronic Materials</i> , 2022, 3, 41-52.	0.9	0
2	Thermodynamic and DFT modeling in quaternary Co-based Heusler phase space: Understanding the interplay between disorder, bonding, and magnetism. <i>Computational Materials Science</i> , 2022, 203, 111089.	1.4	3
3	Tuning the electronic structure of the trichloride honeycomb lattice by transition metal substitution. <i>Physical Review Materials</i> , 2022, 6, 010401.	0.9	3
4	Investigation of quasi-two-dimensional magnetic correlations in NMR	1.1	8
5	Charge-Density-Wave-Induced Peak-Dip-Hump Structure and the Multiband Superconductivity in a Kagome Superconductor	2.9	51
6	Direct Deposition of $(\text{Bi}_2\text{X})_2\text{Sb}_2\text{Te}_3$ Nanosheets on Si/SiO_2 Substrates by Chemical Vapor Transport. <i>Crystal Growth and Design</i> , 2022, 22, 2354-2363.	1.4	1
7	Magnetoelastic coupling anisotropy in the Kitaev material RuCl_3	1.1	6
8	Highly efficient modulation doping: A path toward superior organic thermoelectric devices. <i>Science Advances</i> , 2022, 8, eabl9264.	4.7	15
9	Interplay of charge density waves, disorder, and superconductivity in 2H-TaSe_2 elucidated by NMR. <i>New Journal of Physics</i> , 2022, 24, 043008.	1.2	7
10	Unveiling the three-dimensional magnetic texture of skyrmion tubes. <i>Nature Nanotechnology</i> , 2022, 17, 250-255.	15.6	45
11	Determination of Cleavage Energy and Efficient Nanostructuring of Layered Materials by Atomic Force Microscopy. <i>Nano Letters</i> , 2022, 22, 3550-3556.	4.5	7
12	Elastoresistivity of Heavily Hole-Doped 122 Iron Pnictide Superconductors. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	0
13	Strong effects of uniaxial pressure and short-range correlations in Cr_2As_2	1.1	6
14	Isolated fourfold fermion in BiTeI . <i>Physical Review B</i> , 2022, 105, .	1.1	1
15	Low-energy excitations and magnetic anisotropy of the layered van der Waals antiferromagnet Ni_2S_6	1.1	6
16	Tailoring electron beams with high-frequency self-assembled magnetic charged particle micro optics. <i>Nature Communications</i> , 2022, 13, .	5.8	6
17	Optical Anisotropy and Momentum-Dependent Excitons in Dibenzopentacene Single Crystals. <i>ACS Omega</i> , 2022, 7, 21183-21191.	1.6	4
18	Metamagnetic transition and a loss of magnetic hysteresis caused by electron trapping in monolayers of single-molecule magnet $\text{Tb}_2\text{@C}_{79}\text{N}$. <i>Nanoscale</i> , 2022, 14, 9877-9892.	2.8	6

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19	Synthesis of micro- and nanosheets of CrCl_3 – RuCl_3 solid solution by chemical vapour transport. <i>Nanoscale</i> , 2022, 14, 10483-10492.	2.8	3
20	Understanding Intermolecular Interactions in a Tetracene–F4TCNQ Cocrystal via Its Electron Density Distribution and Topology. <i>Crystal Growth and Design</i> , 2021, 21, 471-481.	1.4	11
21	Self-Assembled Rolled-Up Microcoils for nL Microfluidics NMR Spectroscopy. <i>Advanced Materials Technologies</i> , 2021, 6, .	3.0	10
22	Experimental Evidence of a Stable 2H Phase on the Surface of Layered $1\text{T}-\text{TaTe}_2$. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1150-1156.	1.5	8
23	Supramolecular chirality in the crystals of mononuclear and polymeric cobalt(ii) complexes with enantiopure and racemic N-thiophosphorylated thioureas. <i>CrystEngComm</i> , 2021, 23, 2081-2090.	1.3	1
24	Temperature-dependent dynamics of endohedral fullerene $\text{Sc}_2@C_{80}(\text{C}_2\text{Ph})$ studied by EPR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 18206-18220.	1.3	4
25	Magnetically induced local lattice anomalies and low-frequency fluctuations in the Mott insulator $\text{La}_2\text{O}_3\text{Fe}_2\text{Se}_2$. <i>Physical Review B</i> , 2021, 103, .	1.1	1
26	Thermoelectric Materials: Thermoelectric Properties of Novel Semimetals: A Case Study of YbMnSb_2 (Adv. Mater. 7/2021). <i>Advanced Materials</i> , 2021, 33, 2170051.	11.1	1
27	Strain derivative of thermoelectric properties as a sensitive probe for nematicity. <i>Npj Quantum Materials</i> , 2021, 6, .	1.8	5
28	Vacuum processed large area doped thin-film crystals: A new approach for high-performance organic electronics. <i>Materials Today Physics</i> , 2021, 17, 100352.	2.9	15
29	Linkage between scattering rates and superconductivity in doped ferropnictides. <i>Physical Review B</i> , 2021, 103, .	1.1	9
30	Orbital Complexity in Intrinsic Magnetic Topological Insulators MnBi_4 and Mn_4Bi and Mn_4Bi Physical Review Letters, 2021, 126, 176403.	2.9	41
31	Evidence for a percolative Mott insulator-metal transition in doped $\text{Sr}_2\text{Mn}_3\text{Bi}_2$ Physical Review Research, 2021, 3, .	2.3	7
32	Mapping out the spin fluctuations in Co-doped LaFeAsO single crystals by NMR. <i>Physical Review B</i> , 2021, 103, .	1.1	2
33	Revisiting the phase diagram of $\text{LaFe}_1\text{Co}_x\text{AsO}$ single crystals by thermodynamic methods. <i>Physical Review B</i> , 2021, 103, .	1.1	2
34	Topological magnetic order and superconductivity in $\text{Eu}_x\text{Rb}_{1-x}\text{Bi}_2\text{Te}_4$ Physical Review B, 2021, 103, .	1.1	2
35	Strongly anisotropic spin dynamics in magnetic topological insulators. <i>Physical Review B</i> , 2021, 103, .	1.1	13
36	Crystal Growth of the Quasi-2D Quarternary Compound AgCrP_2S_6 by Chemical Vapor Transport. <i>Crystals</i> , 2021, 11, 500.	1.0	8

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37	Anomalous band renormalization due to a high-energy kink in $K\text{RhO}_2$ with colossal thermoelectric power factor. <i>Physical Review Materials</i> , 2021, 5, .	0.9	0
38	TSFZ growth of Nd-substituted LSCO superconducting crystals. <i>Journal of Crystal Growth</i> , 2021, 562, 126082.	0.7	1
39	Strong Photophysical Diversity and the Role of Charge Transfer Excitons in Transition Metal Phthalocyanine I^2 -Phases. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12398-12404.	1.5	6
40	Laser-Assisted Floating Zone Growth of BaFe_2S_3 Large-Sized Ferromagnetic-Impurity-Free Single Crystals. <i>Crystals</i> , 2021, 11, 758.	1.0	3
41	Tuning Magnetic and Transport Properties in Quasi-2D $(\text{Mn}_{1-x}\text{Ni}_x)_2\text{P}_2\text{S}_6$ Single Crystals. <i>Electronic Materials</i> , 2021, 2, 284-298.	0.9	19
42	Layered van der Waals Topological Metals of TaTMTe ₄ (TM = Ir, Rh, Ru) Family. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 6730-6735.	2.1	8
43	Unusual spin pseudogap behavior in the spin web lattice Cu_3O_6 probed by Te . <i>Physical Review B</i> , 2021, 103, .	1.3	3
44	Robust Single Molecule Magnet Monolayers on Graphene and Graphite with Magnetic Hysteresis up to 28ÅK. <i>Advanced Functional Materials</i> , 2021, 31, 2105516.	7.8	28
45	Exciton dispersion in para-quaterphenyl: Significant molecular interactions beyond Coulomb coupling. <i>AIP Advances</i> , 2021, 11, 095313.	0.6	2
46	Tailoring Plasmonics of Au@Ag Nanoparticles by Silica Encapsulation. <i>Advanced Optical Materials</i> , 2021, 9, 2101221.	3.6	5
47	Gadolinium as an accelerator for reaching thermal equilibrium and its influence on the ground state of Dy_2C_80 single-molecule magnets. <i>Physical Review B</i> , 2021, 103, .	1.2	0
48	BaFe_2As_2 Investigated by Pump-Probe Spectroscopy under High Pressures. , 2021, , .		0
49	Magnetic Hysteresis at 10 K in Single Molecule Magnet Self-Assembled on Gold. <i>Advanced Science</i> , 2021, 8, 2000777.	5.6	25
50	Electrophilic Trifluoromethylation of Dimetallofullerene Anions en Route to Air-Stable Single-Molecule Magnets with High Blocking Temperature of Magnetization. <i>Journal of the American Chemical Society</i> , 2021, 143, 18139-18149.	6.6	28
51	State with spontaneously broken time-reversal symmetry above the superconducting phase transition. <i>Nature Physics</i> , 2021, 17, 1254-1259.	6.5	41
52	Strongly scattered phonon heat transport of the candidate Kitaev material $\text{Na}_2\text{Ir}_2\text{O}_8$. <i>Physical Review B</i> , 2021, 104, .	1.2	0
53	Magnetic-field tuning of the spin dynamics in the magnetic topological insulators MnBi_2Te_4 . <i>Physical Review B</i> , 2021, 104, .		
54	Precise measurement of angles between two magnetic moments and their configurational stability in single-molecule magnets. <i>Physical Review B</i> , 2021, 104, .	1.1	5

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55	Thermal transport of the frustrated spin-chain mineral linarite: Magnetic heat transport and strong spin-phonon scattering. <i>Physical Review B</i> , 2021, 104, .	1.1	6
56	Persistence of Ising-like easy-axis spin correlations in the paramagnetic state of the spin-1 chain compound NiTeO_5 . <i>Physical Review B</i> , 2021, 104, .	1.1	6
57	Substrate-independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet Dy_2ScN_8 on Metals and Insulators. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5756-5764.	7.2	26
58	Single-Molecule Magnets $\text{Dy}_2\text{M}_2\text{N}_8$ and Dy_2MN_8 (M=Sc, Lu): The Impact of Diamagnetic Metals on Dy^{3+} Magnetic Anisotropy, $\text{Dy}^{\dots}\text{Dy}$ Coupling, and Mixing of Molecular and Lattice Vibrations. <i>Chemistry - A European Journal</i> , 2020, 26, 2436-2449.	1.7	23
59	Interplay of electron correlations, spin-orbit couplings, and structural effects for Cu centers in the quasi-two-dimensional magnet $\text{InCu}_2\text{V}_1\text{VO}_3$. <i>Physical Review B</i> , 2020, 102, .	1.1	1
60	Molecular beam epitaxy of antiferromagnetic $(\text{MnBi}_2\text{Te}_4)(\text{Bi}_2\text{Te}_3)$ thin films on BaF_2 (111). <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	23
61	Tetranuclear Lanthanide Complexes Supported by Hydroxyquinoline-Calix[4]arene Ligands: Synthesis, Structure, and Magnetic Properties of $[\text{Ln}_4(\text{H}_3\text{L})_2(\text{AOH})_2(\text{NO}_3)_4]$ (Ln = Tb, Dy, Yb) and $[\text{Dy}_4(\text{H}_4\text{L})_2(\text{NO}_3)_3](\text{NO}_3)$. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 4203-4214.	1.0	5
62	Thermodynamic Evaluation and Chemical Vapor Transport of Few-Layer WTe_2 . <i>Crystal Growth and Design</i> , 2020, 20, 7341-7349.	1.4	7
63	Unusually large hyperfine structure of the electron spin levels in an endohedral dimetallofullerene and its spin coherent properties. <i>Nanoscale</i> , 2020, 12, 20513-20521.	2.8	16
64	Tuning of the electronic and phononic properties of NbFeSb half-Heusler compound by Sn/Hf co-doping. <i>Acta Materialia</i> , 2020, 196, 669-676.	3.8	18
65	Experimental Evidence of Three-Gap Superconductivity in LiFeAs. <i>JETP Letters</i> , 2020, 111, 350-356.	0.4	8
66	Discovery, Crystal Growth, and Characterization of Garnet $\text{Eu}_2\text{PbSb}_2\text{Zn}_3\text{O}_{12}$. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 2512-2520.	1.0	2
67	Synthesis and charge transfer characteristics of a ruthenium acetylide complex. <i>RSC Advances</i> , 2020, 10, 43242-43247.	1.7	1
68	Evolution of the Nematic Susceptibility in LaFeO_3 . <i>Physical Review Letters</i> , 2020, 125, 067001.	2.9	15
69	$\text{La}_6\text{Pd}_{2+x}\text{Sb}_{15}$ (x = 0.28): A rare-earth palladium intermetallic compound with extended pnictogen ribbons. <i>Journal of Solid State Chemistry</i> , 2020, 291, 121578.	1.4	2
70	Magnetic hysteresis and strong ferromagnetic coupling of sulfur-bridged Dy ions in clusterfullerene $\text{Dy}_2\text{S}_8\text{C}$. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 3521-3532.	3.0	12
71	Charge-transfer energy in iridates: A hard x-ray photoelectron spectroscopy study. <i>Physical Review B</i> , 2020, 102, .	1.1	9
72	Observation of a random singlet state in a diluted Kitaev honeycomb material. <i>Physical Review B</i> , 2020, 102, .	1.1	22

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73	Momentum dependent $d_{xz/yz}$ band splitting in LaFeAsO. Scientific Reports, 2020, 10, 19377.	1.6	3
74	Nematic superconductivity in LiFeAs. Physical Review B, 2020, 102, .	1.1	19
75	Spectromicroscopic measurements of electronic structure variations in atomically thin WSe ₂ . AIP Advances, 2020, 10, 095027.	0.6	0
76	Mg ₃ (Bi,Sb) ₂ single crystals towards high thermoelectric performance. Energy and Environmental Science, 2020, 13, 1717-1724.	15.6	91
77	Evidence for an orbital dependent Mott transition in the ladders of $\text{La}_{1-x}\text{Pr}_x\text{Ni}_2\text{B}_2\text{O}_{10}$. Physical Review B, 2020, 101, .	1.1	3
78	Sub-Kelvin hysteresis of the dilanthanide single-molecule magnet C_{80}Tb_2 . Physical Review B, 2020, 101, .	1.1	10
79	Electronic structure of epitaxial perovskite films in the two-dimensional limit: Role of the surface termination. Applied Physics Letters, 2020, 116, 201601.	1.5	2
80	Superconductivity with broken time-reversal symmetry inside a superconducting s-wave state. Nature Physics, 2020, 16, 789-794.	6.5	59
81	Charge transfer characteristics of F ₆ TCNQ/gold interface. Surface and Interface Analysis, 2020, 52, 953-956.	0.8	5
82	Metamagnetism of Weakly Coupled Antiferromagnetic Topological Insulators. Physical Review Letters, 2020, 124, 197201.	2.9	41
83	Electronic structure studies of FeSi: A chiral topological system. Physical Review B, 2020, 101, .	1.1	15
84	Systematic Investigations of Annealing and Functionalization of Carbon Nanotube Yarns. Molecules, 2020, 25, 1144.	1.7	10
85	Field-induced transitions in the Kitaev material RuCl_3 probed by thermal expansion and magnetostriction. Physical Review B, 2020, 101, .	1.1	24
86	Substrate-independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet Dy ₂ ScN@C ₈₀ on Metals and Insulators. Angewandte Chemie, 2020, 132, 5805-5813.	1.6	1
87	Separate tuning of nematicity and spin fluctuations to unravel the origin of superconductivity in FeSe. Npj Quantum Materials, 2020, 5, .	1.8	18
88	Flux growth of Sr _{1-x} Ir _{3-x} (n=1, 2, 3) crystals. Journal of Crystal Growth, 2020, 540, 125657.	0.7	4
89	FMR Studies of Exchange-Biased Heusler Alloy Thin Films. Applied Magnetic Resonance, 2020, 51, 461-472.	0.6	0
90	Unified phase diagram of F-doped LaFeAsO by means of NMR and NQR parameters. Physical Review B, 2020, 101, .	1.1	7

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91	Investigation of potassium-intercalated bulk MoS_2 transmission electron energy-loss spectroscopy. <i>Physical Review B</i> , 2020, 101, .		
92	Sequentially Processed P3HT/CN6CP-NBu ₄₊ Films: Interfacial or Bulk Doping?. <i>Advanced Electronic Materials</i> , 2020, 6, 1901346.	2.6	8
93	Shape-adaptive single-molecule magnetism and hysteresis up to 14 K in oxide clusterfullerenes $\text{Dy}_2\text{O}@C_{72}$ and $\text{Dy}_2\text{O}@C_{74}$ with fused pentagon pairs and flexible $\text{Dy}(\frac{1}{4}\text{-O})$ Dy angle. <i>Chemical Science</i> , 2020, 11, 4766-4772.	3.7	28
94	Pulsed laser deposition of Fe-oxypnictides: Co- and F-substitution. <i>Superconductor Science and Technology</i> , 2020, 33, 105004.	1.8	5
95	High-field thermal transport properties of the Kitaev quantum magnet $\text{K}_2\text{Ru}_2\text{O}_7$: Evidence for low-energy excitations beyond the critical field. <i>Physical Review B</i> , 2020, 102, .		
96	Potassium-intercalated bulk HfS_2 and HfSe_2 : Phase stability, Electron spin resonance and ferromagnetic resonance spectroscopy in the high-field phase of the van der Waals magnet CrCl_3 . <i>Physical Review Materials</i> , 2020, 4, .	0.9	6
97	Electron spin resonance and ferromagnetic resonance spectroscopy in the high-field phase of the van der Waals magnet CrCl_3 . <i>Physical Review Materials</i> , 2020, 4, .	0.9	24
98	Incommensurate magnet iron monophosphide FeP: Crystal growth and characterization. <i>Physical Review Materials</i> , 2020, 4, .	0.9	5
99	Polymorphic PtBi_2 : Growth, structure, and superconducting properties. <i>Physical Review Materials</i> , 2020, 4, .		
100	Kitaev magnetism and fractionalized excitations in double perovskite $\text{S}_2\text{Zn}_2\text{O}_6$. <i>Physical Review Research</i> , 2020, 2, .	1.3	15
101	Kramers doublets, phonons, crystal-field excitations, and their coupling in $\text{Nd}_2\text{Zn}_2\text{O}_6$. <i>Physical Review Research</i> , 2020, 2, .	1.3	9
102	Coupling of lattice, spin, and intraconfigurational excitations of Eu_2O_6 in Eu_2O_6 . <i>Physical Review Research</i> , 2020, 2, .	1.3	11
103	Low-temperature enhancement of ferromagnetic Kitaev correlations in Eu_2O_6 . <i>Physical Review Materials</i> , 2020, 4, .	0.9	10
104	Evolution of Structure and Electronic Correlations in a Series of BaTAs_2 (T) ETQqOQ / Overlock 10 T		
105	Correlated paramagnetism and interplay of magnetic and phononic degrees of freedom in 3d-5d coupled La_2CuO_6 . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 485803.	0.7	5
106	Single Molecule Magnetism with Strong Magnetic Anisotropy and Enhanced $\text{Dy}^{\text{TM}}\text{Dy}^{\text{TM}}$ Coupling in Three Isomers of Dy ₂ O@C ₈₂ . <i>Advanced Science</i> , 2019, 6, 1901352.	5.6	40
107	Energy scale of nematic ordering in the parent iron-based superconductor BaFe_2As_2 . <i>Physical Review B</i> , 2019, 100, .		
108	Layered manganese bismuth tellurides with GeBi_4Te_7 - and $\text{GeBi}_6\text{Te}_{10}$ -type structures: towards multifunctional materials. <i>Journal of Materials Chemistry C</i> , 2019, 7, 9939-9953.	2.7	32

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109	Superconducting switching due to a triplet component in the $\text{Pb/Cu/Ni/Cu/Co}_2\text{Cr}_1\text{Fe}_x\text{Al}_y$ spin-valve structure. <i>Beilstein Journal of Nanotechnology</i> , 2019, 10, 1458-1463.		16
110	Probing the reconstructed Fermi surface of antiferromagnetic BaFe_2As_2 in one domain. <i>Npj Quantum Materials</i> , 2019, 4, .	1.8	26
111	Charge-Transfer Complexes of Linear Acenes with a New Acceptor Perfluoroanthraquinone. The Interplay of Charge-Transfer and $\pi\text{-}\pi^*$ Interactions. <i>Crystal Growth and Design</i> , 2019, 19, 5123-5131.	1.4	6
112	Layered TiCl_3 : Microsheets on YSZ Substrates for Ethylene Polymerization with Enhanced Activity. <i>Chemistry of Materials</i> , 2019, 31, 5305-5313.	3.2	5
113	Evidence of hot and cold spots on the Fermi surface of LiFeAs . <i>Physical Review B</i> , 2019, 99, .	1.1	20
114	Effect of the Diamagnetic Single-Crystalline Host on the Angular-Resolved Electron Nuclear Double Resonance Experiments: Case of Paramagnetic $[\text{Bu}_4\text{N}]_2[\text{Cu}(\text{opba})]$ Embedded in Diamagnetic $[\text{Bu}_4\text{N}]_2[\text{Ni}(\text{opba})]$. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6565-6571.	2.1	1
115	Magnetic Nanoparticle Chains in Gelatin Ferrogels: Bioinspiration from Magnetotactic Bacteria. <i>Advanced Functional Materials</i> , 2019, 29, 1905996.	7.8	23
116	Chromium Trihalides CrX_3 ($\text{X} = \text{Cl, Br, I}$): Direct Deposition of Micro- and Nanosheets on Substrates by Chemical Vapor Transport. <i>Advanced Materials Interfaces</i> , 2019, 6, 1901410.	1.9	37
117	Magnetization Dynamics of an Individual Single-Crystalline Fe -Filled Carbon Nanotube. <i>Small</i> , 2019, 15, 1904315.	5.2	18
118	Nonlocal dielectric function and nested dark excitons in MoS_2 . <i>Npj 2D Materials and Applications</i> , 2019, 3, .	3.9	8
119	Superconducting spin-valve effect in heterostructures with ferromagnetic Heusler alloy layers. <i>Physical Review B</i> , 2019, 100, .	1.1	14
120	Ground state and low-temperature magnetism of the quasi-two-dimensional honeycomb compound $\text{InCu}_2\text{V}_3\text{O}_{13}$. <i>Physical Review B</i> , 2019, 100, .	1.1	18
121	Crystal size versus paddle wheel deformability: selective gated adsorption transitions of the switchable metal-organic frameworks $\text{DUT-8}(\text{Co})$ and $\text{DUT-8}(\text{Ni})$. <i>Journal of Materials Chemistry A</i> , 2019, 7, 21459-21475.	5.2	54
122	Spectroscopic evidence of nematic fluctuations in LiFeAs . <i>Physical Review B</i> , 2019, 100, .	1.1	6
123	Zn and Co redox active coordination polymers as efficient electrocatalysts. <i>Dalton Transactions</i> , 2019, 48, 3601-3609.	1.6	41
124	Bandwidth controlled insulator-metal transition in BaFe_2S_3 : A Mössbauer study under pressure. <i>Physical Review B</i> , 2019, 99, .	1.1	18
125	Simulation and synthesis of MoCl_3 nanosheets on substrates by short time chemical vapor transport. <i>Nano Structures Nano Objects</i> , 2019, 19, 100324.	1.9	12
126	Charge and nematic orders in AFe_2S_3 superconductors. <i>Physical Review B</i> , 2019, 99, .		

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127	Spin-glass state and reversed magnetic anisotropy induced by Cr doping in the Kitaev magnet Physical Review B, 2019, 99, .	1.1	20
128	A Phthalocyanine-Based Layered Two-Dimensional Conjugated Metal-Organic Framework as a Highly Efficient Electrocatalyst for the Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2019, 58, 10677-10682.	7.2	278
129	Mixed dysprosium-lanthanide nitride clusterfullerenes DyM ₂ N@C ₈₀ -I _h and Dy ₂ MN@C ₈₀ -I _h (M = Gd, Er, Tm, and Lu): synthesis, molecular structure, and quantum motion of the endohedral nitrogen atom. Nanoscale, 2019, 11, 13139-13153.	2.8	15
130	Detuning the Honeycomb of the \hat{I}_\pm -RuCl ₃ Kitaev Lattice: A Case of Cr ³⁺ Dopant. Inorganic Chemistry, 2019, 58, 6659-6668.	1.9	12
131	Endohedral metal-nitride cluster ordering in metallofullerene Ni ^{II} (OEP) complexes and crystals: a theoretical study. Physical Chemistry Chemical Physics, 2019, 21, 8197-8200.	1.3	22
132	Large thermal Hall effect in \hat{I}_\pm : Evidence for heat transport by Kitaev-Heisenberg paramagnons. Physical Review B, 2019, 99, .	1.1	67
133	Magnetic phase diagram of the frustrated spin chain compound linarite PbCuSO ₄ as seen by neutron diffraction and \hat{I}_\pm Physical Review B, 2019, 99, .	1.1	12
134	Magnetic anisotropy and spin-polarized two-dimensional electron gas in the van der Waals ferromagnet \hat{I}_\pm Cr ₂ Physical Review B, 2019, 99, .	1.1	56
135	Magnetic interactions and spin dynamics in the bond-disordered pyrochlore fluoride NaCaCo ₂ F ₇ . Physical Review B, 2019, 99, .	1.1	6
136	Spin-polaron ladder spectrum of the spin-orbit-induced Mott insulator Sr ₂ IrO ₄ probed by scanning tunneling spectroscopy. Physical Review B, 2019, 99, .	1.1	3
137	Magnetization reversal and local switching fields of ferromagnetic Co/Pd microtubes with radial magnetization. Physical Review B, 2019, 99, .	1.1	5
138	Chemical Aspects of the Candidate Antiferromagnetic Topological Insulator MnBi ₂ Te ₄ . Chemistry of Materials, 2019, 31, 2795-2806.	3.2	203
139	Hohe Blocktemperatur der Magnetisierung und herausragende Koerzitivfeldstärke im Azafulleren Tb ₂ @C ₇₉ N mit einer Einelektronen-Terbium-Bindung. Angewandte Chemie, 2019, 131, 5951-5956.	1.6	12
140	Nematicity and structure in LaFe _{1-x} CoxAsO. Journal of Magnetism and Magnetic Materials, 2019, 482, 50-53.	1.0	5
141	Air-stable redox-active nanomagnets with lanthanide spins radical-bridged by a metal-metal bond. Nature Communications, 2019, 10, 571.	5.8	112
142	High Blocking Temperature of Magnetization and Giant Coercivity in the Azafullerene Tb ₂ @C ₇₉ N with a Single-Electron Terbium Bond. Angewandte Chemie - International Edition, 2019, 58, 5891-5896.	7.2	66
143	The Dresden in-situ (S)TEM special with a continuous-flow liquid-helium cryostat. Ultramicroscopy, 2019, 203, 12-20.	0.8	1
144	Strong spin resonance mode associated with suppression of soft magnetic ordering in hole-doped Ba _{1-x} NaxFe ₂ As ₂ . Npj Quantum Materials, 2019, 4, .	1.8	7

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145	Giant Spin-Valve Effect in Heterostructures with a Superconducting Layer. JETP Letters, 2019, 110, 342-347.	0.4	3
146	Possible experimental realization of a basic Z^2 topological semimetal in GaGeTe. APL Materials, 2019, 7, .	2.2	17
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