

Bernd Bchner

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

1,087
papers

29,834
citations

81
h-index

123
g-index

1,141
ext. papers

33,235
ext. citations

4.5
avg. IF

6.86
L-index

#	Paper	IF	Citations
1087	Charge-Density-Wave-Induced Peak-Dip-Hump Structure and the Multiband Superconductivity in a Kagome Superconductor CsV_3Sb_5 . <i>Physical Review Letters</i> , 2022 , 128, 036402	7.4	3
1086	Synthesis and Physical Properties of Iridium-Based Sulfide $\text{Ca}_{1-x}\text{Ir}_4\text{S}_6(\text{S}_2)$ [$x = 0.23\text{--}0.33$]. <i>Electronic Materials</i> , 2022 , 3, 41-52	0.8	
1085	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 ²	3.2	0
1084	Direct Deposition of $(\text{Bi}_x\text{Sb}_{1-x})_2\text{Te}_3$ Nanosheets on Si/SiO ₂ Substrates by Chemical Vapor Transport. <i>Crystal Growth and Design</i> , 2022 , 22, 2354-2363	3.5	
1083	Highly efficient modulation doping: A path toward superior organic thermoelectric devices.. <i>Science Advances</i> , 2022 , 8, eabl9264	14.3	1
1082	Interplay of charge density waves, disorder, and superconductivity in 2H-TaSe ₂ elucidated by NMR. <i>New Journal of Physics</i> , 2022 , 24, 043008	2.9	1
1081	Magnetic-field tuning of the spin dynamics in the magnetic topological insulators $(\text{MnBi}_2\text{Te}_4)(\text{Bi}_2\text{Te}_3)_n$. <i>Physical Review B</i> , 2021 , 104,	3.3	1
1080	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	16.4	2
1079	Vacuum processed large area doped thin-film crystals: A new approach for high-performance organic electronics. <i>Materials Today Physics</i> , 2021 , 17, 100352	8	7
1078	Linkage between scattering rates and superconductivity in doped ferropnictides. <i>Physical Review B</i> , 2021 , 103,	3.3	3
1077	Orbital Complexity in Intrinsic Magnetic Topological Insulators MnBi_4Te_7 and $\text{MnBi}_6\text{Te}_{10}$. <i>Physical Review Letters</i> , 2021 , 126, 176403	7.4	10
1076	Evidence for a percolative Mott insulator-metal transition in doped Sr ₂ IrO ₄ . <i>Physical Review Research</i> , 2021 , 3,	3.9	1
1075	Topological magnetic order and superconductivity in EuRbFe ₄ As ₄ . <i>Physical Review B</i> , 2021 , 103,	3.3	1
1074	Strongly anisotropic spin dynamics in magnetic topological insulators. <i>Physical Review B</i> , 2021 , 103,	3.3	3
1073	Crystal Growth of the Quasi-2D Quaternary Compound AgCrP ₂ S ₆ by Chemical Vapor Transport. <i>Crystals</i> , 2021 , 11, 500	2.3	4
1072	TSFZ growth of Nd-substituted LSCO superconducting crystals. <i>Journal of Crystal Growth</i> , 2021 , 562, 126082	1.6	0
1071	Strong Photophysical Diversity and the Role of Charge Transfer Excitons in Transition Metal Phthalocyanine π -Phases. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 12398-12404	3.8	1

1070	Laser-Assisted Floating Zone Growth of BaFe ₂ S ₃ Large-Sized Ferromagnetic-Impurity-Free Single Crystals. <i>Crystals</i> , 2021 , 11, 758	2.3	0
1069	Tuning Magnetic and Transport Properties in Quasi-2D (Mn _{1-x} Ni _x) ₂ P ₂ S ₆ Single Crystals. <i>Electronic Materials</i> , 2021 , 2, 284-298	0.8	6
1068	Understanding Intermolecular Interactions in a Tetracene π -TCNQ Cocrystal via Its Electron Density Distribution and Topology. <i>Crystal Growth and Design</i> , 2021 , 21, 471-481	3.5	6
1067	Self-Assembled Rolled-Up Microcoils for nL Microfluidics NMR Spectroscopy. <i>Advanced Materials Technologies</i> , 2021 , 6, 2000679	6.8	3
1066	Experimental Evidence of a Stable 2H Phase on the Surface of Layered 1T'-TaTe ₂ . <i>Journal of Physical Chemistry C</i> , 2021 , 125, 1150-1156	3.8	1
1065	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	3.3	1
1064	Temperature-dependent dynamics of endohedral fullerene Sc@C(CHPh) studied by EPR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 18206-18220	3.6	1
1063	Thermoelectric Materials: Thermoelectric Properties of Novel Semimetals: A Case Study of YbMnSb ₂ (Adv. Mater. 7/2021). <i>Advanced Materials</i> , 2021 , 33, 2170051	24	0
1062	Layered van der Waals Topological Metals of TaTMTe (TM = Ir, Rh, Ru) Family. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 6730-6735	6.4	2
1061	Exciton dispersion in para-quaterphenyl: Significant molecular interactions beyond Coulomb coupling. <i>AIP Advances</i> , 2021 , 11, 095313	1.5	0
1060	Magnetic Hysteresis at 10 K in Single Molecule Magnet Self-Assembled on Gold. <i>Advanced Science</i> , 2021 , 8, 2000777	13.6	14
1059	Unveiling the three-dimensional magnetic texture of skyrmion tubes.. <i>Nature Nanotechnology</i> , 2021 , ,	28.7	6
1058	Spectromicroscopic measurements of electronic structure variations in atomically thin WSe ₂ . <i>AIP Advances</i> , 2020 , 10, 095027	1.5	
1057	Mg ₃ (Bi,Sb) ₂ single crystals towards high thermoelectric performance. <i>Energy and Environmental Science</i> , 2020 , 13, 1717-1724	35.4	41
1056	Sub-Kelvin hysteresis of the dilanthanide single-molecule magnet Tb ₂ ScN@C ₈₀ . <i>Physical Review B</i> , 2020 , 101,	3.3	2
1055	Electronic structure of epitaxial perovskite films in the two-dimensional limit: Role of the surface termination. <i>Applied Physics Letters</i> , 2020 , 116, 201601	3.4	2
1054	Superconductivity with broken time-reversal symmetry inside a superconducting s-wave state. <i>Nature Physics</i> , 2020 , 16, 789-794	16.2	20
1053	Charge transfer characteristics of F6TCNNQ π -gold interface. <i>Surface and Interface Analysis</i> , 2020 , 52, 953-956		4

1052	Metamagnetism of Weakly Coupled Antiferromagnetic Topological Insulators. <i>Physical Review Letters</i> , 2020 , 124, 197201	7.4	15
1051	Electronic structure studies of FeSi: A chiral topological system. <i>Physical Review B</i> , 2020 , 101,	3.3	4
1050	Systematic Investigations of Annealing and Functionalization of Carbon Nanotube Yarns. <i>Molecules</i> , 2020 , 25,	4.8	5
1049	Field-induced transitions in the Kitaev material URuCl_3 probed by thermal expansion and magnetostriction. <i>Physical Review B</i> , 2020 , 101,	3.3	13
1048	Substrate-Independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet $\text{Dy}_2\text{ScN@C}_{80}$ on Metals and Insulators. <i>Angewandte Chemie</i> , 2020 , 132, 5805-5813	3.6	0
1047	Separate tuning of nematicity and spin fluctuations to unravel the origin of superconductivity in FeSe. <i>Npj Quantum Materials</i> , 2020 , 5,	5	10
1046	Flux growth of $\text{Sr}_{1-x}\text{Ir}_{1-x}\text{O}_{3+x}$ ($x=0, 2, 1$) crystals. <i>Journal of Crystal Growth</i> , 2020 , 540, 125657	1.6	1
1045	FMR Studies of Exchange-Biased Heusler Alloy Thin Films. <i>Applied Magnetic Resonance</i> , 2020 , 51, 461-472.8		
1044	Unified phase diagram of F-doped LaFeAsO by means of NMR and NQR parameters. <i>Physical Review B</i> , 2020 , 101,	3.3	2
1043	Investigation of potassium-intercalated bulk MoS_2 using transmission electron energy-loss spectroscopy. <i>Physical Review B</i> , 2020 , 101,	3.3	4
1042	Evolution of Structure and Electronic Correlations in a Series of BaTAs (T = Cr-Cu) Single Crystals. <i>Inorganic Chemistry</i> , 2020 , 59, 16913-16923	5.1	0
1041	High-field thermal transport properties of the Kitaev quantum magnet URuCl_3 : Evidence for low-energy excitations beyond the critical field. <i>Physical Review B</i> , 2020 , 102,	3.3	5
1040	Potassium-intercalated bulk HfS_2 and HfSe_2 : Phase stability, structure, and electronic structure. <i>Physical Review Materials</i> , 2020 , 4,	3.2	4
1039	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,	3.2	11
1038	Incommensurate magnet iron monophosphide FeP : Crystal growth and characterization. <i>Physical Review Materials</i> , 2020 , 4,	3.2	2
1037	Polymorphic PtBi_2 : Growth, structure, and superconducting properties. <i>Physical Review Materials</i> , 2020 , 4,	3.2	4
1036	Kitaev magnetism and fractionalized excitations in double perovskite $\text{Sm}_2\text{ZnIrO}_6$. <i>Physical Review Research</i> , 2020 , 2,	3.9	8
1035	Kramers doublets, phonons, crystal-field excitations, and their coupling in $\text{Nd}_2\text{ZnIrO}_6$. <i>Physical Review Research</i> , 2020 , 2,	3.9	4

1034	Coupling of lattice, spin, and intraconfigurational excitations of Eu ³⁺ in Eu ₂ ZnIrO ₆ . <i>Physical Review Research</i> , 2020 , 2,	3.9	1
1033	Low-temperature enhancement of ferromagnetic Kitaev correlations in Rb_2CuCl_3 . <i>Physical Review Materials</i> , 2020 , 4,	3.2	2
1032	Pulsed laser deposition of Fe-oxypnictides: Co- and F-substitution. <i>Superconductor Science and Technology</i> , 2020 , 33, 105004	3.1	3
1031	Substrate-Independent Magnetic Bistability in Monolayers of the Single-Molecule Magnet Dy ScN@C on Metals and Insulators. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 5756-5764	16.4	12
1030	Single-Molecule Magnets DyM N@C and Dy MN@C (M=Sc, Lu): The Impact of Diamagnetic Metals on Dy Magnetic Anisotropy, Dy-Dy Coupling, and Mixing of Molecular and Lattice Vibrations. <i>Chemistry - A European Journal</i> , 2020 , 26, 2436-2449	4.8	12
1029	Molecular beam epitaxy of antiferromagnetic (MnBi ₂ Te ₄)(Bi ₂ Te ₃) thin films on BaF ₂ (111). <i>Journal of Applied Physics</i> , 2020 , 128, 135303	2.5	11
1028	Tetranuclear Lanthanide Complexes Supported by Hydroxyquinoline-Calix[4]arene-Ligands: Synthesis, Structure, and Magnetic Properties of [Ln ₄ (H ₃ L) ₂ (β -OH) ₂ (NO ₃) ₄] (Ln = Tb, Dy, Yb) and [Dy ₂ (H ₄ L) ₂ (NO ₃)](NO ₃). <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 4203-4214	2.3	2
1027	Thermodynamic Evaluation and Chemical Vapor Transport of Few-Layer WTe ₂ . <i>Crystal Growth and Design</i> , 2020 , 20, 7341-7349	3.5	4
1026	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	7.7	7
1025	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	8.4	8
1024	Experimental Evidence of Three-Gap Superconductivity in LiFeAs. <i>JETP Letters</i> , 2020 , 111, 350-356	1.2	3
1023	Discovery, Crystal Growth, and Characterization of Garnet Eu ₂ PbSb ₂ Zn ₃ O ₁₂ . <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 2512-2520	2.3	2
1022	Synthesis and charge transfer characteristics of a ruthenium-acetylide complex.. <i>RSC Advances</i> , 2020 , 10, 43242-43247	3.7	1
1021	Evolution of the Nematic Susceptibility in LaFe _{1-x} Co _x AsO. <i>Physical Review Letters</i> , 2020 , 125, 067001	9.1	4
1020	La ₆ Pd _{2+x} 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	3.3	2
1019	Magnetic hysteresis and strong ferromagnetic coupling of sulfur-bridged Dy ions in clusterfullerene DyS@C. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 3521-3532	6.8	2
1018	Charge-transfer energy in iridates: A hard x-ray photoelectron spectroscopy study. <i>Physical Review B</i> , 2020 , 102,	3.3	1
1017	Observation of a random singlet state in a diluted Kitaev honeycomb material. <i>Physical Review B</i> , 2020 , 102,	3.3	9

1016	Momentum dependent [Formula: see text] band splitting in LaFeAsO. <i>Scientific Reports</i> , 2020 , 10, 19377	4.9	1
1015	Nematic superconductivity in LiFeAs. <i>Physical Review B</i> , 2020 , 102,	3.3	4
1014	Sequentially Processed P3HT/CN6-CPNBu4+ Films: Interfacial or Bulk Doping?. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901346	6.4	5
1013	Shape-adaptive single-molecule magnetism and hysteresis up to 14 K in oxide clusterfullerenes DyO@C and DyO@C with fused pentagon pairs and flexible Dy-(EO)-Dy angle. <i>Chemical Science</i> , 2020 , 11, 4766-4772	9.4	13
1012	Superconducting spin-valve effect in heterostructures with ferromagnetic Heusler alloy layers. <i>Physical Review B</i> , 2019 , 100,	3.3	5
1011	Ground state and low-temperature magnetism of the quasi-two-dimensional honeycomb compound InCu ₂ /3V ₁ /3O ₃ . <i>Physical Review B</i> , 2019 , 100,	3.3	1
1010	Crystal size versus paddle wheel deformability: selective gated adsorption transitions of the switchable metal-organic frameworks DUT-8(Co) and DUT-8(Ni). <i>Journal of Materials Chemistry A</i> , 2019 , 7, 21459-21475	13	34
1009	Spectroscopic evidence of nematic fluctuations in LiFeAs. <i>Physical Review B</i> , 2019 , 100,	3.3	3
1008	Zn and Co redox active coordination polymers as efficient electrocatalysts. <i>Dalton Transactions</i> , 2019 , 48, 3601-3609	4.3	29
1007	Bandwidth controlled insulator-metal transition in BaFe ₂ S ₃ : A Mössbauer study under pressure. <i>Physical Review B</i> , 2019 , 99,	3.3	12
1006	Simulation and synthesis of $\sqrt{3}\times\sqrt{3}$ -MoCl ₃ nanosheets on substrates by short time chemical vapor transport. <i>Nano Structures Nano Objects</i> , 2019 , 19, 100324	5.6	7
1005	Charge and nematic orders in AFe ₂ As ₂ (A=Rb,Cs) superconductors. <i>Physical Review B</i> , 2019 , 99,	3.3	8
1004	Spin-glass state and reversed magnetic anisotropy induced by Cr doping in the Kitaev magnet $\sqrt{3}\times\sqrt{3}$ -RuCl ₃ . <i>Physical Review B</i> , 2019 , 99,	3.3	5
1003	A Phthalocyanine-Based Layered Two-Dimensional Conjugated Metal-Organic Framework as a Highly Efficient Electrocatalyst for the Oxygen Reduction Reaction. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 10677-10682	16.4	160
1002	Mixed dysprosium-lanthanide nitride clusterfullerenes DyMN@C-I and DyMN@C-I (M = Gd, Er, Tm, and Lu): synthesis, molecular structure, and quantum motion of the endohedral nitrogen atom. <i>Nanoscale</i> , 2019 , 11, 13139-13153	7.7	9
1001	Detuning the Honeycomb of the $\sqrt{3}\times\sqrt{3}$ -RuCl ₃ Kitaev Lattice: A Case of Cr Dopant. <i>Inorganic Chemistry</i> , 2019 , 58, 6659-6668	5.1	6
1000	Endohedral metal-nitride cluster ordering in metallofullerene-Ni(OEP) complexes and crystals: a theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 8197-8200	3.6	12
999	Large thermal Hall effect in $\sqrt{3}\times\sqrt{3}$ -RuCl ₃ : Evidence for heat transport by Kitaev-Heisenberg paramagnons. <i>Physical Review B</i> , 2019 , 99,	3.3	30

998	Magnetic phase diagram of the frustrated spin chain compound linarite $\text{PbCuSO}_4(\text{OH})_2$ as seen by neutron diffraction and $^1\text{H-NMR}$. <i>Physical Review B</i> , 2019 , 99,	3.3	1
997	Magnetic anisotropy and spin-polarized two-dimensional electron gas in the van der Waals ferromagnet $\text{Cr}_2\text{Ge}_2\text{Te}_6$. <i>Physical Review B</i> , 2019 , 99,	3.3	31
996	Magnetic interactions and spin dynamics in the bond-disordered pyrochlore fluoride $\text{NaCaCo}_2\text{F}_7$. <i>Physical Review B</i> , 2019 , 99,	3.3	3
995	Spin-polaron ladder spectrum of the spin-orbit-induced Mott insulator Sr_2IrO_4 probed by scanning tunneling spectroscopy. <i>Physical Review B</i> , 2019 , 99,	3.3	2
994	Magnetization reversal and local switching fields of ferromagnetic Co/Pd microtubes with radial magnetization. <i>Physical Review B</i> , 2019 , 99,	3.3	1
993	Chemical Aspects of the Candidate Antiferromagnetic Topological Insulator MnBi_2Te_4 . <i>Chemistry of Materials</i> , 2019 , 31, 2795-2806	9.6	114
992	Hohe Block-Temperatur der Magnetisierung und herausragende Koerzitivfeldstärke im Azafulleren $\text{Tb}_2\text{@C}_{79}\text{N}$ mit einer Einelektronen-Terbium-Terbium-Bindung. <i>Angewandte Chemie</i> , 2019 , 131, 5951-5956	3.6	10
991	Nematicity and structure in $\text{LaFe}_{1-x}\text{Co}_x\text{AsO}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 482, 50-53	2.8	2
990	Air-stable redox-active nanomagnets with lanthanide spins radical-bridged by a metal-metal bond. <i>Nature Communications</i> , 2019 , 10, 571	17.4	68
989	Correlated paramagnetism and interplay of magnetic and phononic degrees of freedom in 3d-5d coupled LaCu_2O . <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 485803	1.8	4
988	Single Molecule Magnetism with Strong Magnetic Anisotropy and Enhanced Dy-Dy Coupling in Three Isomers of Dy-Oxide Clusterfullerene DyO@C . <i>Advanced Science</i> , 2019 , 6, 1901352	13.6	26
987	Energy scale of nematic ordering in the parent iron-based superconductor BaFe_2As_2 . <i>Physical Review B</i> , 2019 , 100,	3.3	4
986	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	7.1	25
985	Superconducting switching due to a triplet component in the Pb/Cu/Ni/Cu/CoCr Fe Al spin-valve structure. <i>Beilstein Journal of Nanotechnology</i> , 2019 , 10, 1458-1463	3	5
984	Probing the reconstructed Fermi surface of antiferromagnetic BaFe_2As_2 in one domain. <i>Npj Quantum Materials</i> , 2019 , 4,	5	12
983	Charge-Transfer Complexes of Linear Acenes with a New Acceptor Perfluoroanthraquinone. The Interplay of Charge-Transfer and F π -F Interactions. <i>Crystal Growth and Design</i> , 2019 , 19, 5123-5131	3.5	5
982	Layered H-TiCl_3 : Microsheets on YSZ Substrates for Ethylene Polymerization with Enhanced Activity. <i>Chemistry of Materials</i> , 2019 , 31, 5305-5313	9.6	3
981	Evidence of hot and cold spots on the Fermi surface of LiFeAs . <i>Physical Review B</i> , 2019 , 99,	3.3	12

980	Effect of the Diamagnetic Single-Crystalline Host on the Angular-Resolved Electron Nuclear Double Resonance Experiments: Case of Paramagnetic [BuN][Cu(opba)] Embedded in Diamagnetic [BuN][Ni(opba)]. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6565-6571	6.4	0
979	Magnetic Nanoparticle Chains in Gelatin Ferrogels: Bioinspiration from Magnetotactic Bacteria. <i>Advanced Functional Materials</i> , 2019 , 29, 1905996	15.6	12
978	Chromium Trihalides CrX ₃ (X = Cl, Br, I): Direct Deposition of Micro- and Nanosheets on Substrates by Chemical Vapor Transport. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1901410	4.6	23
977	Magnetization Dynamics of an Individual Single-Crystalline Fe-Filled Carbon Nanotube. <i>Small</i> , 2019 , 15, e1904315	11	12
976	Nonlocal dielectric function and nested dark excitons in MoS ₂ . <i>Npj 2D Materials and Applications</i> , 2019 , 3,	8.8	3
975	High Blocking Temperature of Magnetization and Giant Coercivity in the Azafullerene Tb @C N with a Single-Electron Terbium-Terbium Bond. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5891-5896	16.4	39
974	The Dresden in-situ (S)TEM special with a continuous-flow liquid-helium cryostat. <i>Ultramicroscopy</i> , 2019 , 203, 12-20	3.1	
973	Strong spin resonance mode associated with suppression of soft magnetic ordering in hole-doped Ba _{1-x} NaxFe ₂ As ₂ . <i>Npj Quantum Materials</i> , 2019 , 4,	5	3
972	Giant Spin-Valve Effect in Heterostructures with a Superconducting Layer. <i>JETP Letters</i> , 2019 , 110, 342-347	3.4	1
971	Possible experimental realization of a basic Z ₂ topological semimetal in GaGeTe. <i>APL Materials</i> , 2019 , 7, 121106	5.7	8
970	Topological Electronic Structure and Intrinsic Magnetization in MnBi ₄ Te ₇ : A Bi ₂ Te ₃ Derivative with a Periodic Mn Sublattice. <i>Physical Review X</i> , 2019 , 9,	9.1	51
969	An unusual donor-acceptor system MnPc-TCNQ/F-TCNQ and the properties of the mixed single crystals of metal phthalocyanines with organic acceptor molecules. <i>Dalton Transactions</i> , 2019 , 48, 17252-17257	4.3	1
968	Coherent spin dynamics of solitons in the organic spin chain compounds (o-DMTTF) ₂ X(X=Cl,Br). <i>Physical Review B</i> , 2019 , 100,	3.3	3
967	Prediction and observation of an antiferromagnetic topological insulator. <i>Nature</i> , 2019 , 576, 416-422	50.4	333
966	Investigation of the surface properties of different highly aligned N-MWCNT carpets. <i>Carbon</i> , 2019 , 141, 99-106	10.4	2
965	Orbiton-phonon coupling in Ir(5d) double perovskite BaYrO. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 065603	1.8	4
964	Growth of LiCoO ₂ Single Crystals by the TSFZ Method. <i>Crystal Growth and Design</i> , 2019 , 19, 415-420	3.5	4
963	Direct study of structural phase transformation in single crystalline bulk and thin film BaFeAs. <i>Micron</i> , 2019 , 119, 1-7	2.3	2

962	Laser-diode-heated floating-zone crystal growth of ErVO ₃ . <i>Journal of Crystal Growth</i> , 2019 , 507, 406-412.	1.6	3
961	Observation of heavy spin-orbit excitons propagating in a nonmagnetic background: The case of (Ba,Sr) ₂ YIrO ₆ . <i>Physical Review B</i> , 2018 , 97,	3.3	17
960	Giant exchange coupling and field-induced slow relaxation of magnetization in Gd@CN with a single-electron Gd-Gd bond. <i>Chemical Communications</i> , 2018 , 54, 2902-2905	5.8	27
959	Impact of concomitant Y and Mn substitution on superconductivity in La _{1-x} Y _x Fe _{1-x} Mn _x AsO _{0.89F0.11} . <i>Physical Review B</i> , 2018 , 97,	3.3	6
958	Investigation of indirect excitons in bulk 2H-MoS using transmission electron energy-loss spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 205502	1.8	4
957	Domain matching epitaxy of BaBiO ₃ on SrTiO ₃ with structurally modified interface. <i>Applied Physics Letters</i> , 2018 , 112, 141601	3.4	15
956	Magnetization relaxation in the single-ion magnet DyScN@C: quantum tunneling, magnetic dilution, and unconventional temperature dependence. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 11656-11672	3.6	35
955	Morphology of MWCNT in dependence on N-doping, synthesized using a sublimation-based CVD method at 750 °C. <i>Diamond and Related Materials</i> , 2018 , 86, 8-14	3.5	6
954	Superconducting spin-valve effect in a heterostructure containing the Heusler alloy as a ferromagnetic layer. <i>Journal of Magnetism and Magnetic Materials</i> , 2018 , 459, 7-11	2.8	7
953	Possible origin of linear magnetoresistance: Observation of Dirac surface states in layered PtBi ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	15
952	Magneto-structural correlations in oxalate-bridged Sr(ii)Cr(iii) coordination polymers: structure, magnetization, X-band, and high-field ESR studies. <i>Dalton Transactions</i> , 2018 , 47, 3992-4000	4.3	8
951	Suppression of scattering in quantum confined 2D helical Dirac systems. <i>Physical Review B</i> , 2018 , 97,	3.3	5
950	Carbon nanotube-assisted synthesis of ferromagnetic Heusler nanoparticles of Fe ₃ Ga (Nano-Galfenol). <i>Journal of Materials Chemistry C</i> , 2018 , 6, 1255-1263	7.1	6
949	Three-dimensional electronic structure of the nematic and antiferromagnetic phases of NaFeAs from detwinned angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2018 , 97,	3.3	8
948	Inhomogeneities and superconductivity in poly-phase Fe-Se-Te systems. <i>Physica B: Condensed Matter</i> , 2018 , 531, 102-109	2.8	6
947	Electrochemical generation and observation by magnetic resonance of superparamagnetic cobalt nanoparticles. <i>Electrochimica Acta</i> , 2018 , 260, 324-329	6.7	9
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26	X-ray and neutron diffraction studies of UPdSn. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 151, 102-110	2.8	10
25	Giant anomalies of the thermal expansion at the spin-Peierls transition in CuGeO ₃ . <i>Physical Review B</i> , 1995 , 51, 12884-12887	3.3	72
24	Disappearance of superconductivity in overdoped La _{1.15-x} Pr _{0.85} Sr _x CuO ₄ and the orthorhombic-tetragonal phase boundary. <i>Physical Review B</i> , 1994 , 49, 9248-9251	3.3	12
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22	Superconducting/non-superconducting phase boundary in the low temperature tetragonal phase of (La,RE)-Sr-Cu-O. <i>Journal of Low Temperature Physics</i> , 1994 , 95, 285-291	1.3	18
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20	Structure and superconductivity in La _{1.15-x} Pr _{0.85} Sr _x CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 345-346	1.3	4
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18	Buckling of the CuO ₂ planes and the electronic properties of doped La ₂ CuO ₄ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1227-1228	1.3	2
17	Thermopower of rare earth doped La _{2-x} Sr _x CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1319-1320	1.3	3
16	Specific heat of Bi ₂ Sr ₂ CaCu ₂ O _{8+x} in magnetic fields up to 16 Tesla. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1765-1766	1.3	4
15	Thermal expansion of a La _{1.87} Sr _{0.13} CuO ₄ single crystal at T _c in high magnetic fields. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 1931-1932	1.3	1
14	Competition Between Structural and Superconducting Transition in (LaNd)-Sr-Cu-O. <i>Europhysics Letters</i> , 1993 , 21, 953-958	1.6	54
13	Coupling between superconductivity and structural deformation in La _{2-x} Sr _x CuO ₄ (x~0.13). <i>Physical Review B</i> , 1993 , 47, 12288-12291	3.3	42
12	Preparation and characterization of RE doped La _{2-x} Sr _x CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 208, 217-225	1.3	33
11	⁵⁷ Fe and ¹¹⁹ Sn Mössbauer studies on La _{1.25} Nd _{0.6} Sr _{0.15} CuO ₄ . <i>European Physical Journal B</i> , 1993 , 92, 331-334	1.2	18
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9	Low Temperature Structural Phase Transition and Superconductivity in (La Nd)-Sr-Cu-O 1992 , 349-363		5

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2	Robust Single Molecule Magnet Monolayers on Graphene and Graphite with Magnetic Hysteresis up to 28K. <i>Advanced Functional Materials</i> ,2105516	15.6	7
1	Tailoring Plasmonics of Au@Ag Nanoparticles by Silica Encapsulation. <i>Advanced Optical Materials</i> ,2101281	18.1	1