

# Bernd Bchner

## List of Publications by Citations

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#	Paper	IF	Citations
1087	Experimental realization of a three-dimensional Dirac semimetal. <i>Physical Review Letters</i> , <b>2014</b> , 113, 027603	7.4	813
1086	The electronic phase diagram of the LaO(1-x)F(x)FeAs superconductor. <i>Nature Materials</i> , <b>2009</b> , 8, 305-9	27	363
1085	Prediction and observation of an antiferromagnetic topological insulator. <i>Nature</i> , <b>2019</b> , 576, 416-422	50.4	333
1084	Atomic resolution imaging and topography of boron nitride sheets produced by chemical exfoliation. <i>ACS Nano</i> , <b>2010</b> , 4, 1299-304	16.7	285
1083	Direct low-temperature nanographene CVD synthesis over a dielectric insulator. <i>ACS Nano</i> , <b>2010</b> , 4, 4206-49	16.9	279
1082	Tunable band gap in hydrogenated quasi-free-standing graphene. <i>Nano Letters</i> , <b>2010</b> , 10, 3360-6	11.5	278
1081	Orbital-driven nematicity in FeSe. <i>Nature Materials</i> , <b>2015</b> , 14, 210-4	27	272
1080	Superconductivity without nesting in LiFeAs. <i>Physical Review Letters</i> , <b>2010</b> , 105, 067002	7.4	262
1079	Commensurate spin density wave in LaFeAsO: a local probe study. <i>Physical Review Letters</i> , <b>2008</b> , 101, 077005	7.4	258
1078	<sup>75</sup> As NMR studies of superconducting LaFeAsO <sub>0.9</sub> F <sub>0.1</sub> . <i>Physical Review Letters</i> , <b>2008</b> , 101, 047003	7.4	254
1077	A high-mobility two-dimensional electron gas at the spinel/perovskite interface of $\gamma$ -Al <sub>2</sub> O <sub>3</sub> /SrTiO <sub>3</sub> . <i>Nature Communications</i> , <b>2013</b> , 4, 1371	17.4	235
1076	Critical buckling for the disappearance of superconductivity in rare-earth-doped La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review Letters</i> , <b>1994</b> , 73, 1841-1844	7.4	213
1075	Direct imaging of rotational stacking faults in few layer graphene. <i>Nano Letters</i> , <b>2009</b> , 9, 102-6	11.5	204
1074	Linear plasmon dispersion in single-wall carbon nanotubes and the collective excitation spectrum of graphene. <i>Physical Review Letters</i> , <b>2008</b> , 100, 196803	7.4	196
1073	Strength of the spin-fluctuation-mediated pairing interaction in a high-temperature superconductor. <i>Nature Physics</i> , <b>2009</b> , 5, 217-221	16.2	193
1072	Structural transformations in graphene studied with high spatial and temporal resolution. <i>Nature Nanotechnology</i> , <b>2009</b> , 4, 500-4	28.7	191
1071	Evidence for a Field-Induced Quantum Spin Liquid in $\beta$ -RuCl <sub>3</sub> . <i>Physical Review Letters</i> , <b>2017</b> , 119, 037201	14	188

1070	Momentum dependence of the superconducting gap in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	186
1069	Magnon heat transport in $(\text{Sr,Ca,La})_{14}\text{Cu}_{24}\text{O}_{41}$ . <i>Physical Review B</i> , <b>2001</b> , 64,	3.3	184
1068	Carbon nanotubes filled with a chemotherapeutic agent: a nanocarrier mediates inhibition of tumor cell growth. <i>Nanomedicine</i> , <b>2008</b> , 3, 175-82	5.6	177
1067	( $\pi$ , $\pi$ ) electronic order in iron arsenide superconductors. <i>Nature</i> , <b>2009</b> , 457, 569-72	50.4	172
1066	Physics of grain boundaries in the colossal magnetoresistance manganites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 211, 150-159	2.8	170
1065	The synthesis of carbon coated Fe, Co and Ni nanoparticles and an examination of their magnetic properties. <i>Carbon</i> , <b>2009</b> , 47, 2821-2828	10.4	168
1064	Graphene synthesis on cubic SiC/Si wafers. perspectives for mass production of graphene-based electronic devices. <i>Nano Letters</i> , <b>2010</b> , 10, 992-5	11.5	164
1063	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> , <b>2019</b> , 58, 10677-10682	16.4	160
1062	Field and temperature dependence of the superfluid density in $\text{LaFeAsO}_{1-x}\text{F}_x$ superconductors: a muon spin relaxation study. <i>Physical Review Letters</i> , <b>2008</b> , 101, 097009	7.4	160
1061	Carbon nanostructures as multi-functional drug delivery platforms. <i>Journal of Materials Chemistry B</i> , <b>2013</b> , 1, 401-428	7.3	149
1060	Orbital textures and charge density waves in transition metal dichalcogenides. <i>Nature Physics</i> , <b>2015</b> , 11, 328-331	16.2	147
1059	Unusual band renormalization in the simplest iron-based superconductor $\text{FeSe}_{1-x}$ . <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	145
1058	Stacked topological insulator built from bismuth-based graphene sheet analogues. <i>Nature Materials</i> , <b>2013</b> , 12, 422-5	27	144
1057	Frustrated cuprate route from antiferromagnetic to ferromagnetic spin-1/2 Heisenberg chains: $\text{Li}_2\text{ZrCuO}_4$ as a missing link near the quantum critical point. <i>Physical Review Letters</i> , <b>2007</b> , 98, 077202	7.4	144
1056	Two energy gaps and Fermi-surface "arcs" in $\text{NbSe}_2$ . <i>Physical Review Letters</i> , <b>2009</b> , 102, 166402	7.4	143
1055	Direct observation of spin-orbit coupling in iron-based superconductors. <i>Nature Physics</i> , <b>2016</b> , 12, 311-317	6.2	139
1054	Evidence for triplet superconductivity in a superconductor-ferromagnet spin valve. <i>Physical Review Letters</i> , <b>2012</b> , 109, 057005	7.4	136
1053	Pseudogap and charge density waves in two dimensions. <i>Physical Review Letters</i> , <b>2008</b> , 100, 196402	7.4	135

1052	TaIrTe <sub>4</sub> : A ternary type-II Weyl semimetal. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	128
1051	Single molecule magnet with an unpaired electron trapped between two lanthanide ions inside a fullerene. <i>Nature Communications</i> , <b>2017</b> , 8, 16098	17.4	123
1050	Interplay between Charge Order, Magnetism, and Structure in La <sub>0.875</sub> Sr <sub>0.125</sub> MnO <sub>3</sub> . <i>Physical Review Letters</i> , <b>1999</b> , 82, 185-188	7.4	119
1049	Size and shape control of colloidal copper(I) sulfide nanorods. <i>ACS Nano</i> , <b>2012</b> , 6, 5889-96	16.7	118
1048	Low temperature tunneling magnetoresistance on (La,Sr)MnO <sub>3</sub> /Ino junctions with organic spacer layers. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 093720	2.5	117
1047	Novel catalysts, room temperature, and the importance of oxygen for the synthesis of single-walled carbon nanotubes. <i>Nano Letters</i> , <b>2005</b> , 5, 1209-15	11.5	116
1046	Graphene: Piecing it together. <i>Advanced Materials</i> , <b>2011</b> , 23, 4471-90	24	115
1045	Momentum-resolved superconducting gap in the bulk of Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> from combined ARPES and BR measurements. <i>New Journal of Physics</i> , <b>2009</b> , 11, 055069	2.9	115
1044	Chemical Aspects of the Candidate Antiferromagnetic Topological Insulator MnBi <sub>2</sub> Te <sub>4</sub> . <i>Chemistry of Materials</i> , <b>2019</b> , 31, 2795-2806	9.6	114
1043	Interplay of rare earth and iron magnetism in RFeAsO (R=La, Ce, Pr, and Sm): Muon-spin relaxation study and symmetry analysis. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	114
1042	Inhomogeneous low frequency spin dynamics in La(1.65)Eu(0.2)Sr(0.15)CuO(4). <i>Physical Review Letters</i> , <b>2000</b> , 85, 642-5	7.4	114
1041	On the nature of grain boundaries in the colossal magnetoresistance manganites. <i>Europhysics Letters</i> , <b>1999</b> , 47, 371-377	1.6	112
1040	Synthesis, Properties, and Applications of Ferromagnetic-Filled Carbon Nanotubes. <i>Chemical Vapor Deposition</i> , <b>2006</b> , 12, 380-387		110
1039	Field-induced quantum criticality in the Kitaev system $\text{RbCuCl}_3$ . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	108
1038	Ballistic heat transport of quantum spin excitations as seen in SrCuO <sub>2</sub> . <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	108
1037	Tailoring N-Doped Single and Double Wall Carbon Nanotubes from a Nondiluted Carbon/Nitrogen Feedstock. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 2879-2884	3.8	107
1036	Magnetic force microscopy sensors using iron-filled carbon nanotubes. <i>Journal of Applied Physics</i> , <b>2006</b> , 99, 104905	2.5	107
1035	On the Graphitization Nature of Oxides for the Formation of Carbon Nanostructures. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 4105-4107	9.6	105

1034	The intrinsic electronic phase diagram of iron-oxypnictide superconductors. <i>Europhysics Letters</i> , <b>2009</b> , 87, 17005	1.6	103
1033	From antiferromagnetic order to static magnetic stripes: the phase diagram of (La,Eu) <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2000</b> , 85, 4590-3	7.4	102
1032	Observation of a universal donor-dependent vibrational mode in graphene. <i>Nature Communications</i> , <b>2014</b> , 5, 3257	17.4	101
1031	Dispersion and diameter separation of multi-wall carbon nanotubes in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 345, 138-42	9.3	100
1030	One-Sign Order Parameter in Iron Based Superconductor. <i>Symmetry</i> , <b>2012</b> , 4, 251-264	2.7	99
1029	Two-gap superconductivity in Ba <sub>1-x</sub> K <sub>x</sub> Fe <sub>2</sub> As <sub>2</sub> : a complementary study of the magnetic penetration depth by muon-spin rotation and angle-resolved photoemission. <i>Physical Review Letters</i> , <b>2009</b> , 102, 187004	7.4	98
1028	Carbon Nanotubes Filled with Ferromagnetic Materials. <i>Materials</i> , <b>2010</b> , 3, 4387-4427	3.5	97
1027	Charge ordering in La <sub>1.8</sub> Eu <sub>0.2</sub> Sr <sub>x</sub> CuO <sub>4</sub> studied by resonant soft x-ray diffraction. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	96
1026	Local antiferromagnetic correlations in the iron pnictide superconductors LaFeAsO <sub>1-x</sub> F <sub>x</sub> and Ca(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> as seen via normal-state susceptibility. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	95
1025	Improved catalytic performance of hierarchical ZSM-5 synthesized by desilication with surfactants. <i>Microporous and Mesoporous Materials</i> , <b>2013</b> , 165, 148-157	5.3	94
1024	Carbon nanotube based biomedical agents for heating, temperature sensing and drug delivery. <i>International Journal of Hyperthermia</i> , <b>2008</b> , 24, 496-505	3.7	92
1023	Phase diagram of charge order in La <sub>1.8</sub> Eu <sub>0.2</sub> Sr <sub>x</sub> CuO <sub>4</sub> from resonant soft x-ray diffraction. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	91
1022	Growth and characterization of filled carbon nanotubes with ferromagnetic properties. <i>Carbon</i> , <b>2006</b> , 44, 2316-2322	10.4	90
1021	Graphene at high bias: cracking, layer by layer sublimation, and fusing. <i>Nano Letters</i> , <b>2012</b> , 12, 1873-8	11.5	89
1020	Ferromagnetic filled carbon nanotubes and nanoparticles: synthesis and lipid-mediated delivery into human tumor cells. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2005</b> , 290-291, 276-278	2.8	89
1019	Unusual Phonon Heat Transport in $\Theta$ -RuCl <sub>3</sub> : Strong Spin-Phonon Scattering and Field-Induced Spin Gap. <i>Physical Review Letters</i> , <b>2018</b> , 120, 117204	7.4	88
1018	Magnetic ordering and negative thermal expansion in PrFeAsO. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	87
1017	Oxide-driven carbon nanotube growth in supported catalyst CVD. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 15772-3	16.4	87

1016	Momentum and energy dependence of the anomalous high-energy dispersion in the electronic structure of high temperature superconductors. <i>Physical Review Letters</i> , <b>2007</b> , 99, 237002	7.4	87
1015	Evidence for a new two-dimensional C4H-type polymer based on hydrogenated graphene. <i>Advanced Materials</i> , <b>2011</b> , 23, 4497-503	24	86
1014	Enhanced magnetism in Fe-filled carbon nanotubes produced by pyrolysis of ferrocene. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 074315	2.5	86
1013	Thermal decomposition of ferrocene as a method for production of single-walled carbon nanotubes without additional carbon sources. <i>Journal of Physical Chemistry B</i> , <b>2006</b> , 110, 20973-7	3.4	86
1012	Confinement of fractional quantum number particles in a condensed-matter system. <i>Nature Physics</i> , <b>2010</b> , 6, 50-55	16.2	85
1011	One- and two-triplon spectra of a cuprate ladder. <i>Physical Review Letters</i> , <b>2007</b> , 98, 027403	7.4	85
1010	Half-metallic ferromagnetism with unexpectedly small spin splitting in the Heusler compound Co <sub>2</sub> FeSi. <i>Physical Review Letters</i> , <b>2013</b> , 110, 066601	7.4	83
1009	Constituents of the quasiparticle spectrum along the nodal direction of high-T <sub>c</sub> cuprates. <i>Physical Review Letters</i> , <b>2006</b> , 97, 017002	7.4	83
1008	Reexamination of the microscopic couplings of the quasi-one-dimensional antiferromagnet CuGeO <sub>3</sub> . <i>Physical Review B</i> , <b>1998</b> , 57, 1102-1107	3.3	82
1007	Investigating the graphitization mechanism of SiO(2) nanoparticles in chemical vapor deposition. <i>ACS Nano</i> , <b>2009</b> , 3, 4098-104	16.7	81
1006	Record-high thermal barrier of the relaxation of magnetization in the nitride clusterfullerene DyScN@C-I. <i>Chemical Communications</i> , <b>2017</b> , 53, 7901-7904	5.8	79
1005	Fermi surface nesting in several transition metal dichalcogenides. <i>New Journal of Physics</i> , <b>2008</b> , 10, 125023	3.3	78
1004	MoO <sub>3</sub> nanorods: Synthesis, characterization and magnetic properties. <i>Solid State Sciences</i> , <b>2007</b> , 9, 1028-1032	3.4	77
1003	Investigating the diameter-dependent stability of single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2009</b> , 3, 1557-63	16.7	76
1002	High-field pauli-limiting behavior and strongly enhanced upper critical magnetic fields near the transition temperature of an arsenic-deficient LaO <sub>0.9</sub> Fe <sub>0.1</sub> As <sub>1-<math>\delta</math></sub> superconductor. <i>Physical Review Letters</i> , <b>2008</b> , 101, 237003	7.4	76
1001	Electronic structure and electron-phonon coupling of doped graphene layers in KC <sub>8</sub> . <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	75
1000	Magnon heat transport in doped La <sub>2</sub> CuO <sub>4</sub> . <i>Physical Review Letters</i> , <b>2003</b> , 90, 197002	7.4	75
999	Observation of two-magnon bound states in the two-leg ladders of (Ca,La) <sub>14</sub> Cu <sub>24</sub> O <sub>41</sub> . <i>Physical Review Letters</i> , <b>2001</b> , 87, 127002	7.4	75

998	Atomic structure of interconnected few-layer graphene domains. <i>ACS Nano</i> , <b>2011</b> , 5, 6610-8	16.7	73
997	Specific heat and upper critical fields in KFe <sub>2</sub> As <sub>2</sub> single crystals. <i>Physical Review B</i> , <b>2012</b> , 85,	3.3	73
996	Crystal and magnetic structure of the oxypnictide superconductor LaFeAsO <sub>1-x</sub> F <sub>x</sub> : A neutron-diffraction study. <i>Physical Review B</i> , <b>2010</b> , 82,	3.3	72
995	Giant anomalies of the thermal expansion at the spin-Peierls transition in CuGeO <sub>3</sub> . <i>Physical Review B</i> , <b>1995</b> , 51, 12884-12887	3.3	72
994	Ba <sub>2</sub> YIrO <sub>6</sub> : A cubic double perovskite material with Ir <sup>5+</sup> ions. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	71
993	Independent ordering of two interpenetrating magnetic sublattices in the double perovskite Sr <sub>2</sub> CoOsO <sub>6</sub> . <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 18824-30	16.4	71
992	Kinks, nodal bilayer splitting, and interband scattering in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>(6+x)</sub> . <i>Physical Review Letters</i> , <b>2006</b> , 96, 117004	7.4	71
991	Synthesis of carbon nanotubes with and without catalyst particles. <i>Nanoscale Research Letters</i> , <b>2011</b> , 6, 303	5	70
990	Fine tuning the charge transfer in carbon nanotubes via the interconversion of encapsulated molecules. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	70
989	Air-stable redox-active nanomagnets with lanthanide spins radical-bridged by a metal-metal bond. <i>Nature Communications</i> , <b>2019</b> , 10, 571	17.4	68
988	Experimental realization of type-II Weyl state in noncentrosymmetric TaIrTe <sub>4</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	68
987	Shedding light on the crystallographic etching of multi-layer graphene at the atomic scale. <i>Nano Research</i> , <b>2009</b> , 2, 695-705	10	68
986	Low temperature phase transition and superconductivity in (Nd) <sub>1-x</sub> Sr <sub>x</sub> Cu <sub>2</sub> O. <i>Physica C: Superconductivity and Its Applications</i> , <b>1991</b> , 185-189, 903-904	1.3	68
985	Thin film growth of Fe-based superconductors: from fundamental properties to functional devices. A comparative review. <i>Reports on Progress in Physics</i> , <b>2014</b> , 77, 046502	14.4	67
984	Nanoscale electronic order in iron pnictides. <i>Physical Review Letters</i> , <b>2010</b> , 104, 097001	7.4	67
983	Spin-state polarons in lightly-hole-doped LaCoO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2008</b> , 101, 247603	7.4	67
982	Magnetization and specific heat of TbFe <sub>3</sub> (BO <sub>3</sub> ) <sub>4</sub> : Experiment and crystal-field calculations. <i>Physical Review B</i> , <b>2007</b> , 75,	3.3	67
981	Angle-resolved photoemission study of the graphite intercalation compound KC <sub>8</sub> : A key to graphene. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	66



980	Voltage and temperature dependence of the grain boundary tunneling magnetoresistance in manganites. <i>Europhysics Letters</i> , <b>2000</b> , 50, 681-687	1.6	66
979	Anatase Nanotubes as an Electrode Material for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 8714-8720	3.8	65
978	Confined crystals of the smallest phase-change material. <i>Nano Letters</i> , <b>2013</b> , 13, 4020-7	11.5	65
977	Synthesis, characterization, and electrical properties of nitrogen-doped single-walled carbon nanotubes with different nitrogen content. <i>Diamond and Related Materials</i> , <b>2010</b> , 19, 1199-1206	3.5	65
976	Antioxidant multi-walled carbon nanotubes by free radical grafting of gallic acid: new materials for biomedical applications. <i>Journal of Pharmacy and Pharmacology</i> , <b>2011</b> , 63, 179-88	4.8	64
975	A new family of 1D exchange biased heterometal single-molecule magnets: observation of pronounced quantum tunneling steps in the hysteresis loops of quasi-linear {Mn <sub>2</sub> Ni <sub>3</sub> } clusters. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 3433-43	16.4	64
974	Orbital and spin effects for the upper critical field in As-deficient disordered Fe pnictide superconductors. <i>New Journal of Physics</i> , <b>2009</b> , 11, 075007	2.9	64
973	Evidence for Jahn-Teller distortions at the antiferromagnetic transition in LaTiO <sub>3</sub> . <i>Physical Review Letters</i> , <b>2003</b> , 91, 066403	7.4	64
972	Effect of nematic ordering on electronic structure of FeSe. <i>Scientific Reports</i> , <b>2016</b> , 6, 36834	4.9	63
971	Inelastic neutron-scattering measurements of incommensurate magnetic excitations on superconducting LiFeAs single crystals. <i>Physical Review Letters</i> , <b>2012</b> , 108, 117001	7.4	63
970	Valence states and metamagnetic phase transition in partially B-site-disordered perovskite EuMn <sub>0.5</sub> Co <sub>0.5</sub> O <sub>3</sub> . <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	62
969	Iron filled carbon nanotubes grown on substrates with thin metal layers and their magnetic properties. <i>Carbon</i> , <b>2006</b> , 44, 1746-1753	10.4	60
968	Anisotropic Particle-Hole Excitations in Black Phosphorus. <i>Physical Review Letters</i> , <b>2015</b> , 115, 026404	7.4	59
967	Methane as a Selectivity Booster in the Arc-Discharge Synthesis of Endohedral Fullerenes: Selective Synthesis of the Single-Molecule Magnet Dy <sub>2</sub> TiC@C <sub>80</sub> and Its Congener Dy <sub>2</sub> TiC <sub>2</sub> @C <sub>80</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13411-5	16.4	59
966	Probing the unconventional superconducting state of LiFeAs by quasiparticle interference. <i>Physical Review Letters</i> , <b>2012</b> , 108, 127001	7.4	59
965	Quasiballistic transport of Dirac fermions in a Bi <sub>2</sub> Se <sub>3</sub> nanowire. <i>Physical Review Letters</i> , <b>2013</b> , 110, 186806	7.4	59
964	Phase diagram of the iron arsenide superconductors Ca(Fe <sub>1-x</sub> Cox) <sub>2</sub> As <sub>2</sub> (0 ≤ x ≤ 0.2). <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	59
963	Manifestation of new interference effects in a superconductor-ferromagnet spin valve. <i>Physical Review Letters</i> , <b>2011</b> , 106, 067005	7.4	59



962	Spin and orbital ground state of Co in cobalt phthalocyanine. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 8917-22	2.8	59
961	High quality double wall carbon nanotubes with a defined diameter distribution by chemical vapor deposition from alcohol. <i>Carbon</i> , <b>2006</b> , 44, 3177-3182	10.4	59
960	Full spin switch effect for the superconducting current in a superconductor/ferromagnet thin film heterostructure. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 102505	3.4	58
959	Delivery of carboplatin by carbon-based nanocontainers mediates increased cancer cell death. <i>Nanotechnology</i> , <b>2010</b> , 21, 335101	3.4	58
958	Fishtail effect and vortex dynamics in LiFeAs single crystals. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3	58
957	Tuning the magnetic ground state of a tetranuclear nickel(II) molecular complex by high magnetic fields. <i>Physical Review B</i> , <b>2006</b> , 73,	3.3	58
956	Monoclinic honeycomb-layered compound Li <sub>3</sub> Ni <sub>2</sub> SbO <sub>6</sub> : preparation, crystal structure and magnetic properties. <i>Dalton Transactions</i> , <b>2012</b> , 41, 572-80	4.3	57
955	The catalytic potential of high- $\epsilon$ dielectrics for graphene formation. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 073110	3.4	57
954	Electronic structure of LaFeAsO <sub>1-x</sub> F <sub>x</sub> from x-ray absorption spectroscopy. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	57
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946	Competition Between Structural and Superconducting Transition in (LaNd)-Sr-Cu-O. <i>Europhysics Letters</i> , <b>1993</b> , 21, 953-958	1.6	54
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940	Topological Electronic Structure and Intrinsic Magnetization in MnBi <sub>4</sub> Te <sub>7</sub> : A Bi <sub>2</sub> Te <sub>3</sub> Derivative with a Periodic Mn Sublattice. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	51
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306	Unveiling the three-dimensional magnetic texture of skyrmion tubes.. <i>Nature Nanotechnology</i> , <b>2021</b> ,	28.7	6
305	Defect states in LiFeAs as seen by low-temperature scanning tunneling microscopy and spectroscopy. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1600159	1.3	5
304	Low-energy spin dynamics and critical hole concentrations in La <sub>2</sub> Sr <sub>x</sub> CuO <sub>4</sub> (0.07 $\leq$ x $\leq$ 0.2) revealed by La <sup>139</sup> and Cu <sup>63</sup> nuclear magnetic resonance. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	5
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302	Spin-glass state and reversed magnetic anisotropy induced by Cr doping in the Kitaev magnet $\pi$ -RuCl <sub>3</sub> . <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	5
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283	Observation of charge accumulation and onsite Coulomb repulsion at transition metal impurities in the iron pnictides. <i>Physical Review B</i> , <b>2013</b> , 87,	3-3	5
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