Yoshinori Onose

List of Publications by Year
in descending order

125	15,326	38742 50	19749 117
papers	citations	h-index	g-index

125	125	125	10598
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Real-space observation of a two-dimensional skyrmion crystal. Nature, 2010, 465, 901-904.	27.8	2,626
2	Near room-temperature formation of a skyrmion crystal in thin-films of the helimagnet FeGe. Nature Materials, 2011, 10, 106-109.	27.5	1,374
3	Superconductivity in CuxTiSe2. Nature Physics, 2006, 2, 544-550.	16.7	812
4	Giant Rashba-type spin splitting in bulk BiTeI. Nature Materials, 2011, 10, 521-526.	27.5	711
5	Skyrmion flow near room temperature in an ultralow current density. Nature Communications, 2012, 3, 988.	12.8	709
6	Observation of the Magnon Hall Effect. Science, 2010, 329, 297-299.	12.6	508
7	Large Topological Hall Effect in a Short-Period Helimagnet MnGe. Physical Review Letters, 2011, 106, 156603.	7.8	485
8	Crossover Behavior of the Anomalous Hall Effect and Anomalous Nernst Effect in Itinerant Ferromagnets. Physical Review Letters, 2007, 99, 086602.	7.8	424
9	Doping Dependence of ann-Type Cuprate Superconductor Investigated by Angle-Resolved Photoemission Spectroscopy. Physical Review Letters, 2002, 88, 257001.	7.8	379
10	Unusual Hall Effect Anomaly in MnSi under Pressure. Physical Review Letters, 2009, 102, 186601.	7.8	337
11	Low-Magnetic-Field Control of Electric Polarization Vector in a Helimagnet. Science, 2008, 319, 1643-1646.	12.6	330
12	Dirac-fermion-mediated ferromagnetism in a topological insulator. Nature Physics, 2012, 8, 729-733.	16.7	316
13	Spin-Driven Ferroelectricity in Triangular Lattice Antiferromagnets <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>A</mml:mi><mml:msub><mml:mi>CrO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>(<mml:	7.8	306
14	Real-Space Observation of Skyrmion Lattice in Helimagnet MnSi Thin Samples. Nano Letters, 2012, 12, 1673-1677.	9.1	284
15	Observation of Magnetic Excitations of Skyrmion Crystal in a Helimagnetic Insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Cu</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>OSeO</mml:mi><mml: Physical Review Letters, 2012, 109, 037603.	7.8	278
16	Real-Space Observation of Helical Spin Order. Science, 2006, 311, 359-361.	12.6	244
17	Ferroelectricity Induced by Spin-Dependent Metal-Ligand Hybridization in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>CoGe</mml:mi><mml: mathvariant="bold">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2010, 105, 137202.	7.8	184
18	Dependence of Upper Critical Field and Pairing Strength on Doping in Cuprates. Science, 2003, 299, 86-89.	12.6	178

#	Article	IF	Citations
19	Anomalous Electronic Structure and Pseudogap Effects inNd1.85Ce0.15CuO4. Physical Review Letters, 2001, 87, 147003.	7.8	175
20	Enhanced Directional Dichroism of Terahertz Light in Resonance with Magnetic Excitations of the Multiferroic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>CoGe</mml:mi><mml:mi><mml:mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:math>Oxide Compound. Physical Review Letters, 2011, 106, 057403.	7.8	168
21	Microwave magnetoelectric effect via skyrmion resonance modes in a helimagnetic multiferroic. Nature Communications, 2013, 4, 2391.	12.8	163
22	Impurity-doping-induced ferroelectricity in the frustrated antiferromagnetCuFeO2. Physical Review B, 2007, 75, .	3.2	162
23	Superconducting Gap Anisotropy inNd1.85Ce0.15CuO4: Results from Photoemission. Physical Review Letters, 2001, 86, 1126-1129.	7.8	161
24	Observation of the magnetic flux and three-dimensional structure of skyrmion lattices by electron holography. Nature Nanotechnology, 2014, 9, 337-342.	31.5	160
25	Real-Space Observation of Short-Period Cubic Lattice of Skyrmions in MnGe. Nano Letters, 2015, 15, 5438-5442.	9.1	160
26	Charge dynamics in underdopedNd2âˆ'xCexCuO4:â€,â€,Pseudogap and related phenomena. Physical Review B, 2004, 69, .	3.2	153
27	Effect of lattice geometry on magnon Hall effect in ferromagnetic insulators. Physical Review B, 2012, 85, .	3.2	148
28	Doping Dependence of Pseudogap and Related Charge Dynamics inNd2âˆ'xCexCuO4. Physical Review Letters, 2001, 87, 217001.	7.8	141
29	Hidden constant in the anomalous Hall effect of high-purity magnet MnSi. Physical Review B, 2007, 75, .	3.2	134
30	Chirality of matter shows up via spin excitations. Nature Physics, 2012, 8, 734-738.	16.7	128
31	Possible skyrmion-lattice ground state in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>B</mml:mi><mml:mn>20</mml:mn></mml:mrow></mml:math>chiral-lattice magnet MnGe as seen via small-angle neutron scattering. Physical Review B, 2012, 86, .	3.2	127
32	Charge ordering and disordering transitions inPr1âˆ'xCaxMnO3â€ƒ(x=0.4)as investigated by optical spectroscopy. Physical Review B, 1998, 57, R9377-R9380.	3.2	114
33	Dynamics of Multiferroic Domain Wall in Spin-Cycloidal Ferroelectric<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>DyMnO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2009, 102, 057604.	7.8	110
34	Antiferromagnetic order as the competing ground state in electron-doped Nd1.85Ce0.15CuO4. Nature, 2003, 423, 522-525.	27.8	108
35	Doping dependence of transport properties inFe1âˆ'xCoxSi. Physical Review B, 2005, 72, .	3.2	107
36	Nonreciprocal propagation of surface acoustic wave in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Ni</mml:mi><mml:mtext>/</mml:mtext><mml:m Physical Review B, 2017, 95, .	3.2	96

#	Article	IF	Citations
37	Optical study ofPr1â^'xCaxMnO3(x=0.4)in a magnetic field: Variation of electronic structure with charge ordering and disordering phase transitions. Physical Review B, 1999, 59, 7401-7408.	3.2	90
38	Excess-electron induced polarization and magnetoelectric effect in yttrium iron garnet. Physical Review B, 2010, 82, .	3.2	83
39	Topological Nernst effect in a three-dimensional skyrmion-lattice phase. Physical Review B, 2013, 88, .	3.2	82
40	Chemical potential shift inNd2â^'xCexCuO4:â€ƒContrasting behavior between the electron- and hole-doped cuprates. Physical Review B, 2001, 64, .	3.2	81
41	Nonreciprocal magnon propagation in a noncentrosymmetric ferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>LiFe</mml:mtext><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mn>8</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2015, 92, .	3.2	81
42	Optical Response of Relativistic Electrons in the Polar BiTeI Semiconductor. Physical Review Letters, 2011, 107, 117401.	7.8	80
43	Generation of Electric Polarization with Rotating Magnetic Field in Helimagnet ZnCr₂Se₄. Journal of the Physical Society of Japan, 2008, 77, 043709.	1.6	78
44	Comprehensive study of the ferroelectricity induced by the spin-dependent<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math>-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>hybridization mechanism in Ba<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:m	3.2	62
45	Angle-resolved photoemission spectral function analysis of the electron-doped cuprateNd1.85Ce0.15CuO4. Physical Review B, 2003, 68, .	3.2	56
46	Rotation of an Electric Polarization Vector by Rotating Magnetic Field in Cycloidal Magnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Eu</mml:mi><mml:mn>0.55</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Y</mml:mi><mml:mn>0.45</mml:mn></mml:msub><mml:msub><mml:mi>MnO</mml:mi><mml:mn>3</mml:m	7.8	56
47	Doping dependence of the anomalous Hall effect inLa1â^'xSrxCoO3. Physical Review B, 2006, 73, .	3.2	55
48	Electric-Field Control of Solitons in a Ferroelectric Organic Charge-Transfer Salt. Physical Review Letters, 2010, 104, 227602.	7.8	53
49	Pulsed Laser Deposition and Ionic Liquid Gate Control of Epitaxial Bi$_{2}$Se$_{3}$ Thin Films. Applied Physics Express, 2011, 4, 083001.	2.4	52
50	Thermoelectric Power in Transition-Metal Monosilicides. Journal of the Physical Society of Japan, 2007, 76, 093601.	1.6	51
51	Extrinsic anomalous Hall effect in charge and heat transport in pure iron,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.997</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.03</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2009, 79, .	3.2	50
52	Pseudogap of Metallic Layered Nickelate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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55	Anomalous Nernst Effects in Pyrochlore Molybdates with Spin Chirality. Physical Review Letters, 2008, 100, 106601.	7.8	46
56	Fully gapped single-particle excitations in lightly doped cuprates. Physical Review B, 2004, 69, .	3.2	45
57	Ultraviolet laser photoemission spectroscopy of FeSi: Observation of a gap opening in density of states. Physical Review B, 2005, 72, .	3.2	45
58	Electric polarization induced by transverse magnetic field in the anisotropy-controlled conical helimagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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73	Designing Rashbaâ€“Dresselhaus effect in magnetic insulators. Communications Physics, 2019, 2, .	5.3	28
74	Effect of scattering on intrinsic anomalous Hall effect investigated by Lorenz ratio. Physical Review B, 2010, 81, .	3.2	27
75	Anomalous thermopower and Nernst effect in CeCoIn 5 : Loss of entropy current in precursor state. Europhysics Letters, 2007, 79, 17006.	2.0	25
76	Magnetoelectrical control of nonreciprocal microwave response in a multiferroic helimagnet. Nature Communications, 2017, 8, 15252.	12.8	25
77	Novel Multiferroic State of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Eu</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="bold">Y</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>MnO</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> in High Magnetic Fields. Physical Review Letters, 2009, 103, 187202.	7.8	24
78	Effect of Spin Dilution on the Magnetic State of Delafossite CuCrO₂with anS= 3/2 Antiferromagnetic Triangular Sublattice. Journal of the Physical Society of Japan, 2011, 80, 014711.	1.6	24
79	Universality of the helimagnetic transition in cubic chiral magnets: Small angle neutron scattering and neutron spin echo spectroscopy studies of FeCoSi. Physical Review B, 2017, 95, .	3.2	24
80	Impact of Ru doping in bilayered manganese oxide La1.2Sr1.8Mn2O7. Applied Physics Letters, 2005, 86, 242502.	3.3	21
81	Spin-charge coupling in lightly dopedNd2â^’xCexCuO4. Physical Review B, 2005, 71, .	3.2	21
82	Longitudinal and transverse thermoelectric transport in MnSi. Physical Review B, 2016, 93, .	3.2	21
83	Phononic thermal Hall effect in diluted terbium oxides. Physical Review B, 2019, 99, .	3.2	20
84	Nematic-to-Smectic Transition of Magnetic Texture in Conical State. Journal of the Physical Society of Japan, 2009, 78, 093704.	1.6	19
85	Microwave Magnetochiral Effect in the Non-centrosymmetric Magnet CuB2O4. Journal of the Physical Society of Japan, 2017, 86, 024707.	1.6	18
86	Bulk electronic structures and strong electronâ€“phonon interactions in an electron-doped high-temperature superconductor. New Journal of Physics, 2008, 10, 073005.	2.9	17
87	Relaxation dynamics of multiferroic domain walls in DyMnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>with cycloidal spin order. Physical Review B, 2011, 83, .	3.2	17
88	Band-filling dependence of thermoelectric properties in B20-type CoGe. Applied Physics Letters, 2012, 100, .	3.3	16
89	Terahertz Radiation by Subpicosecond Magnetization Modulation in the Ferrimagnet LiFe₅O₈. ACS Photonics, 2016, 3, 1170-1175.	6.6	15
90	Microwave nonreciprocity of magnon excitations in the noncentrosymmetric antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ba</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2018, 98, .	3.2	13

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91	Surface acoustic wave coupled to magnetic resonance on multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CuB</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2019, 99, .	3.2	13
92	Spurious magnetism in high-Tc superconductor. Nature, 2003, 426, 140-140.	27.8	10
93	Specific-heat study of the spin-structural change in pyrochloreNd2Mo2O7. Physical Review B, 2004, 70, .	3.2	10
94	Magnetic-field effect on static antiferromagnetic order above the upper critical field inNd1.85Ce0.15CuO4. Physical Review B, 2004, 69, .	3.2	10
95	Optical Probe for Anomalous Hall Resonance in Ferromagnets with Spin Chirality. Physical Review Letters, 2009, 103, 267206.	7.8	10
96	Photonic Phase Control of Magnetic Oxides. Molecular Crystals and Liquid Crystals, 1998, 315, 257-268.	0.3	9
97	Observation of spin reorientation in layered manganites La1.2Sr1.8(Mn1â^'yRuy)2O7 (0.0â©½yâ©½0.2) by Lorentz transmission electron microscopy. Journal of Magnetism and Magnetic Materials, 2006, 302, 391-396.	2.3	9
98	Magnetically Controlled Surface Acoustic Waves on Multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>BiFeO</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub><mml:mo>< Physical Review Applied, 2018, 9, .	3.8	9
99	Transport properties of magnetic metal SrCo6O11. Journal of Magnetism and Magnetic Materials, 2007, 310, 1989-1990.	2.3	8
100	The Lorenz number in CeCoIn 5 inferred from the thermal and charge Hall currents. Europhysics Letters, 2007, 80, 37005.	2.0	7
101	Anomalous Hall effect and Nernst effect in itinerant ferromagnets. Journal of Magnetism and Magnetic Materials, 2007, 310, 2000-2002.	2.3	6
102	Bulk electronic structures of n-type superconductor Nd1.85Ce0.15CuO4 probed by high energy angle-resolved photoemission spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 541-543.	1.7	5
103	Filling dependence of thermoelectric power in transition-metal monosilicides. , 2007, , .		5
104	Magnetic-field control of electric polarization in a helimagnetic haxaferrite Ba2Mg2Fe12O22. Journal of Physics: Conference Series, 2009, 150, 042073.	0.4	5
105	Electronic structure of Nd1.85Ce0.15CuO4: Evidence for a disparity between hole and electron doped cuprate superconductors. Physica C: Superconductivity and Its Applications, 2000, 341-348, 2083-2086.	1.2	4
106	High-field study of multiferroic properties in orthorhombic Eu_{1-x}Y_xMnO₃. Journal of Physics: Conference Series, 2009, 150, 042212.	0.4	4
107	Chirality Memory Stored in Magnetic Domain Walls in the Ferromagnetic State of MnP. Physical Review Letters, 2021, 126, 177205.	7.8	4
108	Nonreciprocal thermal transport in a multiferroic helimagnet. Science Advances, 2020, 6, .	10.3	4

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109	Magnetotransport properties in the noncentrosymmetric itinerant ferromagnet Cr11Ge19. Physical Review B, 2017, 96, .	3.2	3
110	Chirality control of the spin structure in monoaxial helimagnets by charge current. Applied Physics Letters, 2021, 118, .	3.3	3
111	A photoemission investigation of the superconducting gap in an electron-doped cuprate superconductor. Journal of Electron Spectroscopy and Related Phenomena, 2001, 114-116, 623-627.	1.7	2
112	Nonreciprocal electronic transport in PdCrO2 : Implication of spatial inversion symmetry breaking. Physical Review B, 2021, 103, .	3.2	2
113	63Cu NMR study on Nd1.85Ce0.15CuO4+Î´. Physica C: Superconductivity and Its Applications, 2003, 388-389, 253-254.	1.2	1
114	Anomalous Hall effect and Nernst effect in itinerant ferromagnets. Journal of Magnetism and Magnetic Materials, 2007, 310, 1053-1055.	2.3	1
115	Large magnetoresistance and spin-polarized heavy-mass electron state of the doped valence-bond solid (Ti1â^'xVx)2O3. Physical Review B, 2011, 83, .	3.2	1
116	Substitution Effect on the Magnetic State of Delafossite CuCrO₂Having a Spin-3/2 Antiferromagnetic Triangular Sublattice. Journal of Physics: Conference Series, 2012, 400, 032072.	0.4	1
117	Effect of symmetry breaking on short-wavelength acoustic phonons in the chiral magnet MnSi. Physical Review B, 2021, 104, .	3.2	1
118	Elastic study of electric quadrupolar correlation in the paramagnetic state of the frustrated quantum magnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Tb</mml:mi></mml:mrow><mml:mrow><mml:mathvariant="normal">O</mml:mi></mml:mrow><mm. Physical Review B, 2022, 105, .	3.2	1
119	Title is missing!. Journal of Low Temperature Physics, 1999, 117, 1065-1069.	1.4	0
120	Antiferromagnetic Order as the Competing Ground State in Electron-Doped Nd1.85Ce0.15CuO4.. ChemInform, 2003, 34, no.	0.0	0
121	Large energy pseudogap in Nd2â^'xCexCuO4. Physica C: Superconductivity and Its Applications, 2004, 408-410, 402-404.	1.2	0
122	Thermal Hall conductivity and long-lived quasiparticles in CeCoIn5. Physica C: Superconductivity and Its Applications, 2007, 460-462, 676-677.	1.2	0
123	Optical characterization of spin-charge-orbital orders inPr(Sr1â^'yCay)2Mn2O7. Physical Review B, 2010, 82, .	3.2	0
124	Optical Spectra in Nd1.85Ce0.15CuO4+y crystal: Implication of charge ordering. , 2000, , 158-160.		0
125	Observation of Skyrmion Lattice by Lorentz Transmission Electron Microscopy. Nihon Kessho Gakkaishi, 2011, 53, 274-279.	0.0	0