

Yoshinori Onose

List of Publications by Year in descending order

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125
papers

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citations

38742

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all docs

125
docs citations

125
times ranked

10598
citing authors

#	ARTICLE	IF	CITATIONS
1	Elastic study of electric quadrupolar correlation in the paramagnetic state of the frustrated quantum magnet TbO_2 . Physical Review B, 2022, 105, .	3.2	1
2	Chirality control of the spin structure in monoaxial helimagnets by charge current. Applied Physics Letters, 2021, 118, .	3.3	3
3	Chirality Memory Stored in Magnetic Domain Walls in the Ferromagnetic State of MnP. Physical Review Letters, 2021, 126, 177205.	7.8	4
4	Nonreciprocal electronic transport in PdCrO ₂ : Implication of spatial inversion symmetry breaking. Physical Review B, 2021, 103, .	3.2	2
5	Magnetization control by angular momentum transfer from surface acoustic wave to ferromagnetic spin moments. Nature Communications, 2021, 12, 2599.	12.8	35
6	Effect of symmetry breaking on short-wavelength acoustic phonons in the chiral magnet MnSi. Physical Review B, 2021, 104, .	3.2	1
7	Electric current control of spin helicity in an itinerant helimagnet. Nature Communications, 2020, 11, 1601.	12.8	34
8	Nonreciprocal thermal transport in a multiferroic helimagnet. Science Advances, 2020, 6, .	10.3	4
9	Surface acoustic wave coupled to magnetic resonance on multiferroic CuB_2O_4 . Physical Review B, 2019, 99, .	3.2	13
10	Phononic thermal Hall effect in diluted terbium oxides. Physical Review B, 2019, 99, .	3.2	20
11	Designing Rashba-Dresselhaus effect in magnetic insulators. Communications Physics, 2019, 2, .	5.3	28
12	Magnetically Controlled Surface Acoustic Waves on Multiferroic $BiFeO_3$. Physical Review Applied, 2018, 9, .	3.8	9
13	Microwave nonreciprocity of magnon excitations in the noncentrosymmetric antiferromagnet $BaMn_2O_7$. Physical Review B, 2018, 98, .	3.2	13
14	Microwave Magnetochiral Effect in the Non-centrosymmetric Magnet CuB_2O_4 . Journal of the Physical Society of Japan, 2017, 86, 024707.	1.6	18
15	Nonreciprocal propagation of surface acoustic wave in NiO . Physical Review B, 2017, 95, .	3.2	9
16	Magnetolectrical control of nonreciprocal microwave response in a multiferroic helimagnet. Nature Communications, 2017, 8, 15252.	12.8	25
17	Magnetotransport properties in the noncentrosymmetric itinerant ferromagnet $Cr_{11}Ge_{19}$. Physical Review B, 2017, 96, .	3.2	3
18	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

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19	Extended skyrmion lattice scattering and long-time memory in the chiral magnet Fe_2MnSi . Physical Review B, 2016, 94, .	3.2	29
20	Longitudinal and transverse thermoelectric transport in MnSi. Physical Review B, 2016, 93, .	3.2	21
21	Magnetic relaxation phenomena in the chiral magnet Fe_2MnSi : An ac susceptibility study. Physical Review B, 2016, 94, .	3.2	21
22	Terahertz Radiation by Subpicosecond Magnetization Modulation in the Ferrimagnet LiFe_5O_8 . ACS Photonics, 2016, 3, 1170-1175.	6.6	15
23	Nonreciprocal magnon propagation in a noncentrosymmetric ferromagnet LiFe_5O_8 . Physical Review B, 2015, 92, .	6.6	15
24	Real-Space Observation of Short-Period Cubic Lattice of Skyrmions in MnGe. Nano Letters, 2015, 15, 5438-5442.	9.1	160
25	Observation of the magnetic flux and three-dimensional structure of skyrmion lattices by electron holography. Nature Nanotechnology, 2014, 9, 337-342.	31.5	160
26	Microwave magnetoelectric effect via skyrmion resonance modes in a helimagnetic multiferroic. Nature Communications, 2013, 4, 2391.	12.8	163
27	Topological Nernst effect in a three-dimensional skyrmion-lattice phase. Physical Review B, 2013, 88, .	3.2	82
28	Shubnikov-de Haas oscillations in the bulk Rashba semiconductor BiTeI. Physical Review B, 2013, 87, .	3.2	29
29	Band-filling dependence of thermoelectric properties in B20-type CoGe. Applied Physics Letters, 2012, 100, .	3.3	16
30	Substitution Effect on the Magnetic State of Delafossite CuCrO_2 Having a Spin-3/2 Antiferromagnetic Triangular Sublattice. Journal of Physics: Conference Series, 2012, 400, 032072.	0.4	1
31	Possible skyrmion-lattice ground state in the chiral-lattice magnet MnGe as seen via small-angle neutron scattering. Physical Review B, 2012, 86, .	3.2	127
32	Comprehensive study of the ferroelectricity induced by the spin-dependent d - p hybridization mechanism in BaMn_2O_7 . Physical Review B, 2012, 86, .	3.2	62
33	Dirac-fermion-mediated ferromagnetism in a topological insulator. Nature Physics, 2012, 8, 729-733.	16.7	316
34	Real-Space Observation of Skyrmion Lattice in Helimagnet MnSi Thin Samples. Nano Letters, 2012, 12, 1673-1677.	9.1	284
35	Chirality of matter shows up via spin excitations. Nature Physics, 2012, 8, 734-738.	16.7	128
36	Observation of Magnetic Excitations of Skyrmion Crystal in a Helimagnetic Insulator Cu_2OSeO_3 . Physical Review Letters, 2012, 109, 037603.	7.8	278

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37	Skyrmion flow near room temperature in an ultralow current density. Nature Communications, 2012, 3, 988.	12.8	709
38	Effect of lattice geometry on magnon Hall effect in ferromagnetic insulators. Physical Review B, 2012, 85, .	3.2	148
39	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
40	Large Topological Hall Effect in a Short-Period Helimagnet MnGe. Physical Review Letters, 2011, 106, 156603.	7.8	485
41	Optical Response of Relativistic Electrons in the Polar BiTeI Semiconductor. Physical Review Letters, 2011, 107, 117401.	7.8	80
42	Giant Rashba-type spin splitting in bulk BiTeI. Nature Materials, 2011, 10, 521-526.	27.5	711
43	Enhanced Directional Dichroism of Terahertz Light in Resonance with Magnetic Excitations of the Multiferroic Ba ₂ CoGe ₂ O ₇ Oxide Compound. Physical Review Letters, 2011, 106, 057403.	7.8	148
44	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
45	Relaxation dynamics of multiferroic domain walls in DyMnO ₃ with cycloidal spin order. Physical Review B, 2011, 83, .	3.2	17
46	Large magnetoresistance and spin-polarized heavy-mass electron state of the doped valence-bond solid (Ti _{1-x} V _x) ₂ O ₃ . Physical Review B, 2011, 83, .	3.2	1
47	Pseudogap of Metallic Layered Nickelate		

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55	Excess-electron induced polarization and magnetoelectric effect in yttrium iron garnet. Physical Review B, 2010, 82, .	3.2	83
56	Observation of the Magnon Hall Effect. Science, 2010, 329, 297-299.	12.6	508
57	Electric-Field Control of Solitons in a Ferroelectric Organic Charge-Transfer Salt. Physical Review Letters, 2010, 104, 227602.	7.8	53
58	Extrinsic anomalous Hall effect in charge and heat transport in pure iron, $\langle \mathbf{m} \rangle \propto \langle \mathbf{m} \rangle$ and $\langle \mathbf{m} \rangle \propto \langle \mathbf{m} \rangle$. Physical Review B, 2009, 79, .	3.2	60
59	High-field study of multiferroic properties in orthorhombic $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$. Journal of Physics: Conference Series, 2009, 150, 042212.	0.4	4
60	Electric-Field Switching of a Magnetic Propagation Vector in a Helimagnet. Physical Review Letters, 2009, 103, 147201.	7.8	29
61	Novel Multiferroic State of $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$ at High Magnetic Fields. Physical Review Letters, 2009, 103, 187202.	7.8	24
62	Optical Probe for Anomalous Hall Resonance in Ferromagnets with Spin Chirality. Physical Review Letters, 2009, 103, 267206.	7.8	10
63	Dynamics of Multiferroic Domain Wall in Spin-Cycloidal Ferroelectric DyMnO_3 . Physical Review Letters, 2009, 102, 057604.	7.8	110
64	Magnetic Digital Flop of Ferroelectric Domain with Fixed Spin Chirality in a Triangular Lattice Helimagnet. Physical Review Letters, 2009, 103, 237601.	7.8	36
65	Magnetic-field control of electric polarization in a helimagnetic hexaferrite $\text{Ba}_2\text{Mg}_2\text{Fe}_{12}\text{O}_{22}$. Journal of Physics: Conference Series, 2009, 150, 042073.	0.4	5
66	Nematic-to-Smectic Transition of Magnetic Texture in Conical State. Journal of the Physical Society of Japan, 2009, 78, 093704.	1.6	19
67	Dimensional Crossover of Low-Energy Magnetic Excitation for Delafossite Oxide $\text{Cu}_1\text{Ag}_x\text{Cr}_2$ with a Spin-3/2 Antiferromagnetic Triangular Sublattice. Journal of the Physical Society of Japan, 2009, 78, 013604.	1.6	28
68	Electric polarization induced by transverse magnetic field in the anisotropy-controlled conical helimagnet $\langle \mathbf{m} \rangle \propto \langle \mathbf{m} \rangle$		

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73	Charge Dynamics in Thermally and Doping Induced Insulator-Metal Transitions of TiO_2 . Physical Review Letters, 2008, 101, 066406.	7.8	35
74	Lorenz Number Determination of the Dissipationless Nature of the Anomalous Hall Effect in Itinerant Ferromagnets. Physical Review Letters, 2008, 100, 016601.	7.8	29
75	Rotation of an Electric Polarization Vector by Rotating Magnetic Field in Cycloridal Magnet $\text{Y}_2\text{Fe}_2\text{O}_7$. Physical Review Letters, 2008, 101, 067201.	7.8	56
76	Spin-Driven Ferroelectricity in Triangular-Lattice Antiferromagnets MnO . Physical Review Letters, 2008, 101, 067202.	7.8	306
77	Anomalous Nernst Effects in Pyrochlore Molybdates with Spin Chirality. Physical Review Letters, 2008, 100, 106601.	7.8	46
78	Anomalous thermopower and Nernst effect in CeCoIn5 : Loss of entropy current in precursor state. Europhysics Letters, 2007, 79, 17006.	2.0	25
79	The Lorenz number in CeCoIn5 inferred from the thermal and charge Hall currents. Europhysics Letters, 2007, 80, 37005.	2.0	7
80	Impurity-doping-induced ferroelectricity in the frustrated antiferromagnet CuFeO_2 . Physical Review B, 2007, 75, .	3.2	162
81	Crossover Behavior of the Anomalous Hall Effect and Anomalous Nernst Effect in Itinerant Ferromagnets. Physical Review Letters, 2007, 99, 086602.	7.8	424
82	Neutron-Spin Resonance in the Optimally Electron-Doped Superconductor $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{O}_7$. Physical Review Letters, 2007, 99, 017001.	7.8	41
83	Hidden constant in the anomalous Hall effect of high-purity magnet MnSi . Physical Review B, 2007, 75, .	3.2	134
84	Filling dependence of thermoelectric power in transition-metal monosilicides. , 2007, , .		5
85	Thermoelectric Power in Transition-Metal Monosilicides. Journal of the Physical Society of Japan, 2007, 76, 093601.	1.6	51
86	Thermal Hall conductivity and long-lived quasiparticles in CeCoIn5. Physica C: Superconductivity and Its Applications, 2007, 460-462, 676-677.	1.2	0
87	Anomalous Hall effect and Nernst effect in itinerant ferromagnets. Journal of Magnetism and Magnetic Materials, 2007, 310, 1053-1055.	2.3	1
88	Anomalous Hall effect and Nernst effect in itinerant ferromagnets. Journal of Magnetism and Magnetic Materials, 2007, 310, 2000-2002.	2.3	6
89	Transport properties of magnetic metal $\text{SrCo}_6\text{O}_{11}$. Journal of Magnetism and Magnetic Materials, 2007, 310, 1989-1990.	2.3	8
90	Real-Space Observation of Helical Spin Order. Science, 2006, 311, 359-361.	12.6	244

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91	Superconductivity in Cu_xTiSe_2 . <i>Nature Physics</i> , 2006, 2, 544-550.	16.7	812
92	Observation of spin reorientation in layered manganites $\text{La}_{1.2}\text{Sr}_{1.8}(\text{Mn}_{1-y}\text{Ru}_y)\text{O}_7$ ($0.0 \leq y \leq 0.2$) by Lorentz transmission electron microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 302, 391-396.	2.3	9
93	Doping dependence of the anomalous Hall effect in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. <i>Physical Review B</i> , 2006, 73, .	3.2	55
94	Bulk electronic structures of n-type superconductor $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$ probed by high energy angle-resolved photoemission spectroscopy. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2005, 144-147, 541-543.	1.7	5
95	Impact of Ru doping in bilayered manganese oxide $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$. <i>Applied Physics Letters</i> , 2005, 86, 242502.	3.3	21
96	Doping dependence of transport properties in $\text{Fe}_{1-x}\text{Co}_x\text{Si}$. <i>Physical Review B</i> , 2005, 72, .	3.2	107
97	Ultraviolet laser photoemission spectroscopy of FeSi: Observation of a gap opening in density of states. <i>Physical Review B</i> , 2005, 72, .	3.2	45
98	Impurity-induced transition to a Mott insulator in $\text{Sr}_3\text{Ru}_2\text{O}_7$. <i>Physical Review B</i> , 2005, 72, .	3.2	38
99	Spin-charge coupling in lightly doped $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$. <i>Physical Review B</i> , 2005, 71, .	3.2	21
100	Specific-heat study of the spin-structural change in pyrochlore $\text{Nd}_2\text{Mo}_2\text{O}_7$. <i>Physical Review B</i> , 2004, 70, .	3.2	10
101	Magnetic-field effect on static antiferromagnetic order above the upper critical field in $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>Physical Review B</i> , 2004, 69, .	3.2	10
102	Charge dynamics in underdoped $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$: Pseudogap and related phenomena. <i>Physical Review B</i> , 2004, 69, .	3.2	153
103	Large energy pseudogap in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 408-410, 402-404.	1.2	0
104	Fully gapped single-particle excitations in lightly doped cuprates. <i>Physical Review B</i> , 2004, 69, .	3.2	45
105	Antiferromagnetic Order as the Competing Ground State in Electron-Doped $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>ChemInform</i> , 2003, 34, no.	0.0	0
106	Antiferromagnetic order as the competing ground state in electron-doped $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>Nature</i> , 2003, 423, 522-525.	27.8	108
107	Spurious magnetism in high- T_c superconductor. <i>Nature</i> , 2003, 426, 140-140.	27.8	10
108	^{63}Cu NMR study on $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 388-389, 253-254.	1.2	1

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109	Dependence of Upper Critical Field and Pairing Strength on Doping in Cuprates. <i>Science</i> , 2003, 299, 86-89.	12.6	178
110	Angle-resolved photoemission spectral function analysis of the electron-doped cuprate $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>Physical Review B</i> , 2003, 68, .	3.2	56
111	Effect of a magnetic field on the long-range magnetic order in insulating Nd_2CuO_4 and nonsuperconducting and superconducting $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>Physical Review B</i> , 2003, 68, .	3.2	42
112	In-Plane Thermal Conductivity of Nd_2CuO_4 : Evidence for Magnon Heat Transport. <i>Physical Review Letters</i> , 2003, 91, 146601.	7.8	49
113	Doping Dependence of a_{1g} -Type Cuprate Superconductor Investigated by Angle-Resolved Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2002, 88, 257001.	7.8	379
114	Anomalous Electronic Structure and Pseudogap Effects in $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$. <i>Physical Review Letters</i> , 2001, 87, 147003.	7.8	175
115	A photoemission investigation of the superconducting gap in an electron-doped cuprate superconductor. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2001, 114-116, 623-627.	1.7	2
116	Chemical potential shift in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$: Contrasting behavior between the electron- and hole-doped cuprates. <i>Physical Review B</i> , 2001, 64, .	3.2	81
117	Doping Dependence of Pseudogap and Related Charge Dynamics in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$. <i>Physical Review Letters</i> , 2001, 87, 217001.	7.8	141
118	Superconducting Gap Anisotropy in $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$: Results from Photoemission. <i>Physical Review Letters</i> , 2001, 86, 1126-1129.	7.8	161
119	Electronic structure of $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_4$: Evidence for a disparity between hole and electron doped cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 341-348, 2083-2086.	1.2	4
120	Optical Spectra in $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4+y}$ crystal: Implication of charge ordering. , 2000, , 158-160.		0
121	Optical study of $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x=0.4$) in a magnetic field: Variation of electronic structure with charge ordering and disordering phase transitions. <i>Physical Review B</i> , 1999, 59, 7401-7408.	3.2	90
122	Title is missing!. <i>Journal of Low Temperature Physics</i> , 1999, 117, 1065-1069.	1.4	0
123	Anomalous Pseudogap Formation in a Nonsuperconducting Crystal of $\text{Nd}_{1.85}\text{Ce}_{0.15}\text{CuO}_{4+y}$: Implication of Charge Ordering. <i>Physical Review Letters</i> , 1999, 82, 5120-5123.	7.8	47
124	Charge ordering and disordering transitions in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x=0.4$) as investigated by optical spectroscopy. <i>Physical Review B</i> , 1998, 57, R9377-R9380.	3.2	114
125	Photonic Phase Control of Magnetic Oxides. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 315, 257-268.	0.3	9