

Hitoshi Ohta

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58
papers

1,009
citations

17
h-index

31
g-index

61
ext. papers

1,091
ext. citations

2.2
avg, IF

3.43
L-index

#	Paper	IF	Citations
58	Submillimeter EPR of Co:Rb ₂ MgF ₄ and anomalous g-values. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1991 , 12, 149-155		146
57	Submillimeter wave ESR measurements of metamagnetic Y ₂ Cu ₂ O ₅ . <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1996 , 17, 833-841		84
56	Improvement in photoluminescence efficiency of SiO ₂ films containing Si nanocrystals by P doping: An electron spin resonance study. <i>Journal of Applied Physics</i> , 2000 , 87, 1855-1857	2.5	78
55	EPR and AFMR of Li ₂ CuO ₂ in Submillimeter Wave Region. <i>Journal of the Physical Society of Japan</i> , 1993 , 62, 785-792	1.5	65
54	Millimeter and Submillimeter Wave ESR System: Using 30 T Pulsed Magnetic Field. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1998 , 19, 167-176		61
53	Electron Spin Resonance of Spin-Peierls Material CuGeO ₃ . <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 2870-2873	1.5	55
52	High Field ESR Study of the S=1/2 Diamond-Chain Substance Cu ₃ (CO ₃) ₂ (OH) ₂ up to the Magnetization Plateau Region. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 2464-2467	1.5	48
51	EPR and AFMR of Bi ₂ CuO ₄ in Submillimeter Wave Region. <i>Journal of the Physical Society of Japan</i> , 1992 , 61, 2921-2929	1.5	46
50	Submillimeter Wave ESR System Using the Pulsed Magnetic Field and Its Applications to One Dimensional Antiferromagnetic System. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 26-35	1.5	34
49	High Field ESR of Kagome Antiferromagnets SrCr _x Ga _{12-x} O ₁₉ . <i>Journal of the Physical Society of Japan</i> , 1996 , 65, 848-852	1.5	33
48	Optical Measurements and Band Calculations of FeSi. <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 4206-4212	1.5	31
47	Observation of Anomalous ESR Mode of CsCuCl ₃ in Submillimeter Wave Region. <i>Journal of the Physical Society of Japan</i> , 1993 , 62, 3011-3014	1.5	27
46	Neutron Scattering Studies on Spin-Peierls Material CuGeO ₃ . <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 1661-1665	1.5	23
45	Far-Infrared Transmission Spectra of SmB ₆ . <i>Journal of the Physical Society of Japan</i> , 1991 , 60, 1361-1364	1.5	22
44	Thermochromic Magnetic Ionic Liquids from Cationic Nickel(II) Complexes Exhibiting Intramolecular Coordination Equilibrium. <i>Chemistry - A European Journal</i> , 2017 , 23, 823-831	4.8	20
43	Direct Observation of the Quantum Phase Transition of SrCu ₂ (BO ₃) ₂ by High-Pressure and Terahertz Electron Spin Resonance. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 033701	1.5	19
42	Submillimeter Wave AFMR of Ba ₂ Cu ₃ O ₄ Cl ₂ . <i>Journal of the Physical Society of Japan</i> , 1995 , 64, 1759-1765	1.5	18

41	Magnetic Anisotropies of Fe/MgO Multilayers Determined by Submillimeter Wave FMR. <i>Journal of the Physical Society of Japan</i> , 1993 , 62, 4467-4473	1.5	16
40	Mechanical detection of electron spin resonance beyond 1 THz. <i>Applied Physics Letters</i> , 2015 , 107, 182405	3.4	15
39	Antiferromagnetic Order Observed by Submillimeter Wave ESR in Y2BaCuO5. <i>Journal of the Physical Society of Japan</i> , 1995 , 64, 3934-3940	1.5	15
38	ESR Measurements of R2Cu2O5(R=Y, Lu, In) in Submillimeter Wave Region. <i>Journal of the Physical Society of Japan</i> , 1996 , 65, 297-303	1.5	14
37	Submillimeter Wave ESR of SrCuO2 and Sr2CuO3. <i>Journal of the Physical Society of Japan</i> , 1992 , 61, 3370-3376	3.76	14
36	Electron Paramagnetic Resonance of Co:Rb2MgF4 and Anomalous g-Value of Paired Spin System. <i>Journal of the Physical Society of Japan</i> , 1992 , 61, 322-328	1.5	14
35	Field-Induced Itinerant Metamagnetism in Iron Monosilicide. <i>Journal of the Physical Society of Japan</i> , 1997 , 66, 2386-2388	1.5	13
34	High Field Phase Transitions of Quasi One-Dimensional S=1/2 Heisenberg Antiferromagnet Cu2(1,4-diazacycloheptane)2Cl4 Observed by Submillimeter Wave ESR. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 732-735	1.5	13
33	Development and Applications of Magneto-optical Measurement System Equipped with a Rotational Resonant Cavity in the Millimeter-Wave Region. <i>Japanese Journal of Applied Physics</i> , 2005 , 44, 4930-4934	1.4	9
32	Submillimeter Wave ESR Study of Magnetic Excitations in the Ising Ferromagnetic Chain CoNb2O6. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 1703-1710	1.5	8
31	Wide-dynamic-range cantilever magnetometry using a fiber-optic interferometer and its application to high-frequency electron spin resonance spectroscopy. <i>Applied Physics Express</i> , 2016 , 9, 126701	2.4	8
30	Force-detected high-frequency electron spin resonance spectroscopy using magnet-mounted nanomembrane: Robust detection of thermal magnetization modulation. <i>Review of Scientific Instruments</i> , 2018 , 89, 083905	1.7	7
29	ESR MEASUREMENTS IN SINGLET-GROUND-STATE SYSTEMS 1993 , 316-326		5
28	Note: Force- and torque-detection of high frequency electron spin resonance using a membrane-type surface-stress sensor. <i>Review of Scientific Instruments</i> , 2018 , 89, 036108	1.7	4
27	Modification of HOPG Surface on Irradiation by Highly Charged Ar11+ and Xe26+ Ions Investigated by SEM, ESR, SQUID, and Raman Measurements. <i>E-Journal of Surface Science and Nanotechnology</i> , 2011 , 9, 241-246	0.7	4
26	Electron Paramagnetic Resonance of CsCo _x Mg _{1-x} Cl ₃ and the Determination of Exchange Interactions. <i>Journal of the Physical Society of Japan</i> , 1993 , 62, 2481-2489	1.5	4
25	Terahertz electron paramagnetic resonance spectroscopy using continuous-wave frequency-tunable photomixers based on photoconductive antennae. <i>Applied Physics Letters</i> , 2020 , 116, 051101	3.4	3
24	Frequency-domain electron spin resonance spectroscopy using continuously frequency-tunable terahertz photomixers. <i>Applied Physics Letters</i> , 2021 , 119, 162404	3.4	3

23	Helimagnetic Structure and Heavy-Fermion-Like Behavior in the Vicinity of the Quantum Critical Point in Mn ₃ P. <i>Physical Review Letters</i> , 2020 , 124, 087202	7.4	2
22	Magnetic hysteresis behavior and magnetic pinning in a d0 ferromagnet/superconductor nanostructure. <i>Journal of Applied Physics</i> , 2014 , 115, 063910	2.5	2
21	Experimental Examination of Chain-Dimer Model in Ca _{1-x} CuO ₂ (x=0.164) by High Field ESR Measurements. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 1547-1553	1.5	2
20	Electronic and Optical Properties of Fe_2P and FeSi_2 . <i>Journal of the Physical Society of Japan</i> , 2001 , 70, 2199-2204	1.5	2
19	Frequency Dependence Millimeter Wave ESR Measurements of $\text{Et}_2\text{Me}_2\text{P}[\text{Pd}(\text{dmit})_2]_2$. <i>Molecular Crystals and Liquid Crystals</i> , 2002 , 379, 59-64	0.5	2
18	Superlattice formation lifting degeneracy protected by nonsymmorphic symmetry through a metal-insulator transition in RuAs. <i>Physical Review Materials</i> , 2018 , 2,	3.2	2
17	Oshikawa-Affleck Electron Spin Resonance Behavior Observed in One-Dimensional Antiferromagnet $\text{BaCu}_2(\text{Si}_{1-x}\text{Ge}_x)_2\text{O}_7$ (x=0.65). <i>Journal of the Physical Society of Japan</i> , 2005 , 74, 80-85	1.5	2
16	Mechanically Detected Terahertz Electron Spin Resonance. <i>Applied Magnetic Resonance</i> , 2021 , 52, 283-304	3.4	2
15	Force detection of high-frequency electron paramagnetic resonance spectroscopy of microliter solution sample. <i>Applied Physics Letters</i> , 2018 , 113, 223702	3.4	2
14	Force detection of high-frequency electron spin resonance near room temperature using high-power millimeter-wave source gyrotron. <i>Applied Physics Letters</i> , 2021 , 118, 022407	3.4	2
13	Effect of Mo monoatomic interlayer on magnetic properties of in-plane anisotropic Nd-Fe-B/Mo/FeCo nanocomposite multilayered films. <i>AIP Advances</i> , 2021 , 11, 015134	1.5	2
12	⁷⁵ As-NQR Investigation of the Relationship between the Instability of Metal-Insulator Transition and Superconductivity in $\text{Ru}_{1-x}\text{Rh}_x\text{As}$. <i>Journal of the Physical Society of Japan</i> , 2018 , 87, 073703	1.5	1
11	Preparation of Nanoribbons of Blue Potassium Molybdenum Bronze. <i>Chemistry Letters</i> , 2013 , 42, 1514-1516	1.5	1
10	High Field ESR System and Its Application to the Study of Quantum Spin Systems. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 2001 , 22, 387-391		1
9	Submillimeter-Wave EPR of Cu^{2+} Spins in $\text{Ca}(\text{PO}_3)_2$ Glass. <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 781-784	1.5	1
8	Far Infrared Transmission Measurements of $\text{R}_2\text{Cu}_2\text{O}_5$ (R=Y, In, Lu and Sc). <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 4065-4069	1.5	1
7	Magnetic correlations in the pressure-induced superconductor CrAs investigated by ⁷⁵ As nuclear magnetic resonance. <i>Physical Review B</i> , 2019 , 100,	3.3	1
6	Infrared laser annealing of nanocomposite NdBeB/Mo/FeCo multilayered magnet films. <i>AIP Advances</i> , 2022 , 12, 035042	1.5	1

- 5 Synthesis, Structure, and Magnetic Properties of Linear Trinuclear CuII and NiII Complexes of Porphyrin Analogues Embedded with Binaphthol Units. *Symmetry*, **2020**, 12, 1610 2.7 ○
- 4 Continuous control of classical-quantum crossover by external high pressure in the coupled chain compound CsCuCl. *Nature Communications*, **2021**, 12, 4263 17.4 ○
- 3 Millimeter Wave FMR of Fe/MgO and Fe/MgF2 Multilayers Using Strip-Line Technique. *Journal of the Physical Society of Japan*, **1997**, 66, 3272-3276 1.5
- 2 Lattice Dynamical Calculations of Trans and Cis Polyacetylene. *Molecular Crystals and Liquid Crystals Incorporating Nonlinear Optics*, **1988**, 158, 291-305
- 1 Field-angle-dependent multi-frequency electron spin resonance spectroscopy in submillimeter wave range based on thermal detection. *Review of Scientific Instruments*, **2021**, 92, 083901 1.7