Yuji Inagaki

List of Publications by Year
in descending order

137 papers	1,097 citations	567281 15 h-index	526287 27 g-index
140 all docs	140 docs citations	140 times ranked	1163 citing authors

#	Article	IF	Citations
1	ESR Investigation on the Breather Mode and the Spinon-Breather Dynamical Crossover in Cu Benzoate. Physical Review Letters, 2000, 84, 5880-5883.	7.8	102
2	High-pressure zinc oxide phase as visible-light-active photocatalyst with narrow band gap. Journal of Materials Chemistry A, 2017, 5, 20298-20303.	10.3	101
3	High Field ESR Study of theS=1/2 Diamond-Chain Substance Cu3(CO3)2(OH)2up to the Magnetization Plateau Region. Journal of the Physical Society of Japan, 2003, 72, 2464-2467.	1.6	51
4	Submillimeter Wave ESR System Using the Pulsed Magnetic Field and Its Applications to One Dimensional Antiferromagnetic System. Journal of the Physical Society of Japan, 2003, 72, 26-35.	1.6	48
5	Ordering and Excitations in the Field-Induced Magnetic Phase ofCs3Cr2Br9. Physical Review Letters, 2004, 92, 177202.	7.8	27
6	Cluster-Based Haldane State in an Edge-Shared Tetrahedral Spin-Cluster Chain: Fedotovite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:m mathvariant="normal">O</mml:mi><mml:mo		

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19	Effects of Î±-Decay on Mechanical Properties of Simulated Nuclear Waste Glass. Materials Research Society Symposia Proceedings, 1992, 294, 191.	0.1	14
20	Magnetic properties of bond-alternating quantum spin chain system: (CH3)2NH2CuX3 (X=Cl,Br). Physica B: Condensed Matter, 2003, 329-333, 1008-1009.	2.7	14
21	Preparations, Crystal Structures, and Magnetic Properties of N,N-Dipyridylaminoxyl as a New Magnetic Coupler and Its One-Dimensional Cobalt(II) Chains. Inorganic Chemistry, 2012, 51, 4982-4993.	4.0	14
22	Plutonium Determination in Compacted Bentonite by Using PERALS. Journal of Nuclear Science and Technology, 2002, 39, 572-575.	1.3	13
23	High-field ESR measurements of novel spin chain substance Bi4Cu3V2O14. Physica B: Condensed Matter, 2004, 346-347, 65-69.	2.7	13
24	Superconductivity in Palladium Hydride Systems. Journal of the Physical Society of Japan, 2020, 89, 051004.	1.6	13
25	Alteration-Phase formation and Associated Cesium Release During Alteration of R7T7 Waste Glass. Materials Research Society Symposia Proceedings, 2002, 713, 1.	0.1	12
26	High Field Magnetization Process in a Dodecanuclear Fe(III) Ring Cluster. Journal of the Physical Society of Japan, 2003, 72, 1178-1183.	1.6	12
27	Microwave EPR spectroscopy of cobalt-doped germanium cuprate. Physics of the Solid State, 2004, 46, 2238-2248.	0.6	12
28	Nonlinear Susceptibility Measurement for Quadrupolar Response in a Dilute Î“3Non-Kramers Doublet System Pr0.05La0.95Pb3. Journal of the Physical Society of Japan, 2013, 82, 073701.	1.6	12
29	Spectroscopic study of low-temperature hydrogen absorption in palladium. Applied Physics Letters, 2015, 106, .	3.3	12
30	Temperature dependence of spherical electron transfer in a nanosized [Fe14] complex. Nature Communications, 2019, 10, 5510.	12.8	12
31	Evolution of lattice coherence in the intermediate-valence heavy-fermion compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Eu</mml:mi><mml:msub><mml:mrow><mml:mi>Ni</mml:mi></mml:mrow><mml:mrow mathvariant="normal">P</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math> studied by point contact spectroscopy. Physical Review B, 2021, 103, .	3.2	11
32	High Field ESR Measurements Under Pressure. Journal of the Physical Society of Japan, 2003, 72, 156-161.	1.6	11
33	Diffusion of Technetium in Compacted Bentonites in the Reducing Condition with Corrosion Products of Iron. Materials Research Society Symposia Proceedings, 1996, 465, 909.	0.1	10
34	ESR study of sine-Gordon excitations in S=1/2 antiferromagnetic chain: copper benzoate. Physica B: Condensed Matter, 2003, 329-333, 1213-1214.	2.7	10
35	High Field ESR Study of Three Dimensional Spin Frustrated System MgCr2O4. Journal of the Physical Society of Japan, 2006, 75, 044709.	1.6	10
36	Quantum critical point in CuGeO3 doped with magnetic impurities. Physica B: Condensed Matter, 2003, 329-333, 715-716.	2.7	9

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37	3- and 4-(Î±-diazobenzyl)pyridine-N-oxides as photoresponsive magnetic couplers for 2pâ€“4f heterospin systems: formation of carbeneâ€“Tb^{III} and carbeneâ€“Dy^{III} single-molecule magnets. Dalton Transactions, 2016, 45, 7067-7077.	3.3	9
38	Quasi-antiferromagnetic multilayer stacks with 90 degree coupling mediated by thin Fe oxide spacers. Journal of Applied Physics, 2019, 126, .	2.5	9
39	Diffusion of Uranium in Compacted Bentonites in the Reducing Condition with Corrosion Products of Iron. Materials Research Society Symposia Proceedings, 1995, 412, 683.	0.1	8
40	High Field ESR Study of BaCu2(Si1-xGex)2O7Single Crystal. Progress of Theoretical Physics Supplement, 2002, 145, 95-100.	0.1	8
41	High field ESR measurement of diamond chain substance Cu3(OH)2(CO3)2. Physica B: Condensed Matter, 2003, 329-333, 988-989.	2.7	8
42	Recent high field ESR studies of low-dimensional quantum spin systems in Kobe. Physica B: Condensed Matter, 2004, 346-347, 38-44.	2.7	8
43	High-field ESR systems in Kobe. Physica B: Condensed Matter, 2004, 346-347, 627-632.	2.7	8
44	Magnetization and High-Frequency EMR Measurements on the Lithium-Ion Battery Substance LiMn2O4. Japanese Journal of Applied Physics, 2005, 44, 7440-7444.	1.5	8
45	Observation of Kondo resonance in valence-ordered YbPd. Physical Review B, 2019, 100, .	3.2	8
46	Diffusion of Cs and Sr in Compacted Bentonites Under Reducing Conditions and in the Presence of Corrosion Products of Iron. Materials Research Society Symposia Proceedings, 1997, 506, 351.	0.1	7
47	Quantum level structure of molecular magnets, Fe12 and V15. Physica B: Condensed Matter, 2003, 329-333, 1138-1139.	2.7	7
48	Specific heat study of geometrically frustrated magnet clinoatacamite Cu₂Cl(OH)₃. Journal of Physics: Conference Series, 2010, 200, 032047.	0.4	7
49	Diffusion of Uranium in Compacted Bentonite in the Presence of Carbon Steel. Materials Research Society Symposia Proceedings, 1993, 333, 939.	0.1	6
50	ESR study of frustrared $Delta;-chain system. Physica B: Condensed Matter, 2003, 329-333, 1057-1058.	2.7	6
51	Submillimeter and millimeter wave ESR measurements of diamond-chain substance Cu3(CO3)2(OH)2. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 912-913.	2.3	6
52	Evidence for Multimagnon-Mediated Nuclear Spin Relaxation in the Intertwining Double-Chain Ferrimagnet Ca3Cu3(PO4)4. Journal of the Physical Society of Japan, 2006, 75, 074703.	1.6	6
53	Electron tunneling measurements in atomic scale gap filled with liquid⁴He below 4.2K. Journal of Physics: Conference Series, 2012, 400, 042019.	0.4	6
54	Fermionic order by disorder in a van der Waals antiferromagnet. Scientific Reports, 2020, 10, 15311.	3.3	6

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55	Inter-element miscibility driven stabilization of ordered pseudo-binary alloy. Nature Communications, 2022, 13, 1047.	12.8	6
56	Effect of staggered field in antiferromagnetic chain: copper pyrimidine. Physica B: Condensed Matter, 2003, 329-333, 1006-1007.	2.7	5
57	Field-Induced Magnetic Order of Cs₃Cr₂Br₉and Cs₃Cr₂Cl₉. Journal of the Physical Society of Japan, 2005, 74, 119-128.	1.6	5
58	Submillimetre and millimetre wave ESR study of manganese spinel compound LiMn2O4. Journal of Physics Condensed Matter, 2007, 19, 145266.	1.8	5
59	Observation of Direct Transitions in the Ferromagnetic and Antiferromagnetic Dimer System (CH3)2NH2CuCl3by High-Field ESR. Journal of the Physical Society of Japan, 2007, 76, 113704.	1.6	5
60	Magnetic phase diagram of DMACuCl3. Journal of Physics: Conference Series, 2009, 150, 042067.	0.4	5
61	Metal-insulator transition sustained by Cr-doping in V2O3nanocrystals. Applied Physics Letters, 2012, 100, 043103.	3.3	5
62	Anomaly of Specific Heat in High Quality Single Crystal of PrAg2In. Journal of Physics: Conference Series, 2014, 568, 042027.	0.4	5
63	Magnetism of gold nanorods probed using electron spin resonance. Applied Physics Letters, 2016, 109, .	3.3	5
64	Diffusion of Plutonium in Compacted Bentonites in the Reducing Condition With Corrosion Products of Iron. Materials Research Society Symposia Proceedings, 1999, 608, 261.	0.1	4
65	High field ESR measurements of charge transfer salts under high pressure. Synthetic Metals, 2003, 135-136, 523-524.	3.9	4
66	High-field ESR measurements of CsCuCl3 under pressure. Physica B: Condensed Matter, 2004, 346-347, 221-225.	2.7	4
67	Experimental Examination of Chain-Dimer Model in Ca1-xCuO2(x=0.164) by High Field ESR Measurements. Journal of the Physical Society of Japan, 2004, 73, 1547-1553.	1.6	4
68	High field ESR measurements of spin gap system MCu2(PO4)2. Journal of Physics and Chemistry of Solids, 2005, 66, 2068-2071.	4.0	4
69	1H-NMR studies of quantum spin chain system (CH3)2NH2CuCl3at very low temperature. Journal of Physics: Conference Series, 2006, 51, 87-90.	0.4	4
70	Magnetic Ordering and Tunable Structural Phase Transition in the Chromic Compound CuMoO₄. Journal of the Physical Society of Japan, 2011, 80, 093708.	1.6	4
71	Magnetic Properties of the Novel Frustrated Lattice Magnet Likasite. Physics Procedia, 2015, 75, 653-658.	1.2	4
72	Real-time detection of hydrogen absorption and desorption in metallic palladium using vibrating wire method. Applied Physics Express, 2015, 8, 095502.	2.4	4

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73	Low-temperature hydrogen absorption in metallic nanocontacts studied by point-contact spectroscopy measurements. Journal of Physics: Conference Series, 2017, 897, 012009.	0.4	4
74	Low-temperature hydrogen absorption into V and Nb metals from liquid hydrogen. Journal of Physics: Conference Series, 2018, 969, 012008.	0.4	4
75	Random quantum chain system: mixture of antiferromagnetic chains with uniform and alternating couplings. Physica B: Condensed Matter, 2003, 329-333, 1004-1005.	2.7	3
76	Magneto-optical measurements of Î²-(BEDT-TTF)2AuI2. Synthetic Metals, 2003, 135-136, 527-528.	3.9	3
77	Breather excitation observed by high-field ESR in one-dimensional antiferromagnet BaCu2(Si1â^'Ge)2O7 (x=0.65). Journal of Magnetism and Magnetic Materials, 2004, 272-276, 929-930.	2.3	3
78	Temperature Dependence of Long-Term Alteration Rate for Aqueous Alteration of P0798 Simulated Waste Glass under Smectite Forming Conditions. Materials Research Society Symposia Proceedings, 2006, 932, 1.	0.1	3
79	Measurement of HLW glass dissolution/alteration kinetics by using micro-reactor flow-through test method. Materials Research Society Symposia Proceedings, 2009, 1193, 435.	0.1	3
80	Impurityâ€Induced Firstâ€Order Phase Transitions in Highly Crystalline V₂O₃ Nanocrystals. Advanced Materials Interfaces, 2015, 2, 1500132.	3.7	3
81	Corundum insulating phases in highly Ti-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> nanocrystals. Physical Review B, 2020, 101, .	3.2	3
82	Hydrogen-impurity-induced conductance peaks in constriction type Josephson junctions. Applied Physics Express, 2022, 15, 013002.	2.4	3
83	Migration of Cesium, Strontium and Cobalt in Water-Saturated Concretes. Materials Research Society Symposia Proceedings, 1990, 212, 427.	0.1	2
84	High-field ESR in one-dimensional quantum spin systems. Physica B: Condensed Matter, 2000, 284-288, 1625-1626.	2.7	2
85	Elementary Excitations in Quantum Antiferromagnetic Chains: Dyons, Spinons and Breathers. Molecular Crystals and Liquid Crystals, 2002, 379, 121-130.	0.9	2
86	Frequency Dependence Millimeter Wave ESR Measurements of Et 2 Me 2 P[Pd(dmit) 2] 2. Molecular Crystals and Liquid Crystals, 2002, 379, 59-64.	0.9	2
87	High-field ESR measurements of quantum spin system under high pressure. Physica B: Condensed Matter, 2003, 329-333, 963-964.	2.7	2
88	Submillimeter and millimeter wave ESR measurements of (DMET)2FeBr4 below TN. Synthetic Metals, 2003, 135-136, 589-590.	3.9	2
89	Field Induced Magnetic Ordering in CsFeBr3Studied by High Field ESR. Journal of the Physical Society of Japan, 2003, 72, 127-134.	1.6	2
90	High-field ESR study on frustrated spin chain system KCu5V3O13. Physica B: Condensed Matter, 2004, 346-347, 60-64.	2.7	2

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91	The field-induced magnetic phase of the spin-dimer system Cs3Cr2Br9: Effect of field orientation. Physica B: Condensed Matter, 2006, 385-386, 447-449.	2.7	2
92	Kinetics of Aqueous Alteration of P0798 Simulated Waste Glass in the Presence of Bentonite. Materials Research Society Symposia Proceedings, 2006, 932, 1.	0.1	2
93	Fe magnetic impurity effect in Au atomic sized conductor. Journal of Physics: Conference Series, 2010, 200, 072042.	0.4	2
94	T-HPhase Diagram of PrPb₃in [001] and [110] Magnetic Field Directions. Journal of Physics: Conference Series, 2012, 391, 012060.	0.4	2
95	Magnetic Ordering of Antiferromagnetic Trimer System 2bÂ·3CuCl2Â·2H2O. Journal of Physics: Conference Series, 2012, 400, 032054.	0.4	2
96	Point-Contact Spectroscopy Study of YbPd/W Interface. , 2020, , .		2
97	Oshikawaâ€“Affleck Electron Spin Resonance Behavior Observed in One-Dimensional Antiferromagnet BaCu₂(Si_{1-x}Ge_x)₂O₇(x=0.65). Journal of the Physical Society of Japan, 2005, 74, 80-85.	1.6	2
98	Magnetic phase transitions in triangular lattice CsNi0.98Fe0.02Cl3 studied by NMR. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 723-724.	2.3	1
99	High-Field Magnetization Process in Free Radical and Metal-Assembled Molecular Magnets. Molecular Crystals and Liquid Crystals, 2000, 343, 109-114.	0.3	1
100	High-Field Magnetization and High-Frequency ESR Study on the Tetranuclear Cluster Composed of Ï€ -Electrons (S =1/2) and d-Electrons (S =5/2). Molecular Crystals and Liquid Crystals, 2000, 343, 115-120.	0.3	1
101	Millimeter Wave ESR Measurements of (DMET) 2 FeBr 4. Molecular Crystals and Liquid Crystals, 2002, 379, 29-34.	0.9	1
102	High magnetic field ESR study of field induced antiferromagnetic ordering in CsFeBr3 at low temperature. Physica B: Condensed Matter, 2003, 329-333, 1069-1070.	2.7	1
103	Magnetic phase transition of high-pressure phase (VO)2P2O7 studied by high-field ESR measurements. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1675-E1676.	2.3	1
104	ESR Measurements on One-Dimensional Quantum Ferrimagnets A3Cu3(PO4)4 with A=Sr and Ca in Submillimeter-Wave Region. Journal of the Physical Society of Japan, 2006, 75, 094718.	1.6	1
105	High field ESR measurements on the lithium-ion battery substance LiMn2O4. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 2820-2823.	0.8	1
106	The magnetic properties of quasi-one-dimensional-quantum spin system in magnetic fields. Journal of Magnetism and Magnetic Materials, 2007, 310, e384-e386.	2.3	1
107	Possible observation of quadrupolar Kondo effect in Pr-based dilute quadrupolar compounds. Journal of Magnetism and Magnetic Materials, 2007, 310, 235-237.	2.3	1
108	Development of pressure cell for specific heat measurement at low temperature and high Magnetic field. Review of Scientific Instruments, 2009, 80, 025102.	1.3	1

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109	Measurement of initial dissolution rate of P0798 simulated HLW glass by using micro-reactor flow-through test method. Materials Research Society Symposia Proceedings, 2009, 1193, 362.	0.1	1
110	Coexistence of singlet and ordered<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:mn>1</mml:mn><mml:mn>2</mml:mn> in the ground state of the triclinic quantum magnet CuMoO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	3.2	1
111	Magnetic Field dependence of specific heat in Clinoatacamite Cu₂Cl(OH)₃. Journal of Physics: Conference Series, 2012, 400, 032058.	0.4	1
112	Low-Temperature Magnetization Study of Spin Gap System (CH3)2NH2CuCl3with Nanometer Particle Size. Journal of Physics: Conference Series, 2012, 400, 032077.	0.4	1
113	Susceptibility measurements in Pr_xLa_{1-x}InAg₂with Î“₃doublet ground state. Journal of Physics: Conference Series, 2012, 400, 032080.	0.4	1
114	Unusual Magnetic Ordering Observed in Nanosized S = 1/2 Quantum Spin System (CH3)2NH2CuCl3. Journal of the Physical Society of Japan, 2014, 83, 054716.	1.6	1
115	Magnetic and Superconducting Properties of Vanadium Nanoconstrictions. Journal of Physics: Conference Series, 2015, 592, 012137.	0.4	1
116	Development of³He insert for Magnetization Measurements down toT= 0.4 K with SQUID magnetometer. Journal of Physics: Conference Series, 2015, 592, 012147.	0.4	1
117	Point-Contact Spectroscopy Study of Kondo Insulator SmB6. , 2020, , .		1
118	Pressure Effects of Quadrupolar System Pr_xLa_{1-x}Pb₃forx=1 and 0.97. Journal of the Physical Society of Japan, 2007, 76, 70-71.	1.6	1
119	Magnetic properties of Fe12 ring : ESR and magnetization measurements. , 2002, , 784-787.		1
120	Î¼Sr Study of 1:1 Complex of bis(hexafluoroacetylacetonate) Manganese (II) with Diazodi(4-pyridyl)Methan as a Photo-Responsible Magnetic Coupler. Molecular Crystals and Liquid Crystals, 2000, 343, 103-108.	0.3	0
121	One dimensional behavior of mixed crystal BaCu/sub 2/(Si/sub 1-x/Ge/sub x/)/sub 2/O/sub 7/ observed by submillimeter wave ESR. , 0, , .		0
122	Iodine Release from Silver Iodide under Reducing Condition with Iron-Bearing Minerals. Materials Research Society Symposia Proceedings, 2002, 713, 1.	0.1	0
123	ESR of quantum spin chains with staggered fields. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E685-E686.	2.3	0
124	Quantum phase transition of dimerized. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 218-219.	2.3	0
125	Magnetic structure and spin excitations in the field-induced phase of the spin-dimer system Cs3Cr2Br9. Physica B: Condensed Matter, 2004, 350, E261-E264.	2.7	0
126	Direct determination of magnetic anisotropy in S=1 bond alternating system by high field ESR. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E661-E662.	2.3	0

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127	Field-Induced Magnetic Ordering in an S = 1/2 Quasi-One-Dimensional Quantum Spin System: (CH3)2NH2Cucl3. AIP Conference Proceedings, 2006, , .	0.4	0
128	Oxidation Behavior of Zr-Nb Alloys at 973-1273 K in Air. Materials Research Society Symposia Proceedings, 2007, 1043, 1.	0.1	0
129	Control of nanosize ferromagnetic electrodes by magnetostriction. , 2010, , .		0
130	Mgnetoresistance in ballistic Ni nanocontact at 4.2K. , 2010, , .		0
131	Magnetic impurity effect in atomic sized conductor. , 2010, , .		0
132	Defect-Free Nanocrystals: Impurity-Induced First-Order Phase Transitions in Highly Crystalline V2O3Nanocrystals (Adv. Mater. Interfaces 12/2015). Advanced Materials Interfaces, 2015, 2, n/a-n/a.	3.7	0
133	Kondo-Fano resonance in atomic-scale contacts for ferromagnetic metals. Journal of Physics: Conference Series, 2017, 807, 082002.	0.4	0
134	Fano profiles in palladium nanoconstrictions. Solid State Communications, 2017, 262, 16-19.	1.9	0
135	Impurity effects of hydrogen and deuterium in vanadium nanoconstrictions. Journal of Physics: Conference Series, 2018, 969, 012046.	0.4	0
136	In-situ Investigation of Electronic Properties in Yttrium-hydride Prepared at Low Temperature. , 2020, , .		0
137	Correlation between ferromagnetism and dopant 3d metal-oxygen hybridized state lying at the bottom of conduction band in ZnO-based diluted magnetic semiconductor system. Journal of Applied Physics, 2021, 130, 243904.	2.5	0