Yoshio Matsui

List of Publications by Year
in descending order

319 papers	14,787 citations	30070 54 h-index	20961 115 g-index
326 all docs	326 docs citations	326 times ranked	9432 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	Skyrmion flow near room temperature in an ultralow current density. Nature Communications, 2012, 3, 988.	12.8	709
4	Element-selective imaging of atomic columns in a crystal using STEM and EELS. Nature, 2007, 450, 702-704.	27.8	359
5	Magnetic and electronic properties in hole-doped manganese oxides with layered structures:La1â^'xSr1+xMnO4. Physical Review B, 1995, 51, 3297-3300.	3.2	356
6	Magnetic stripes and skyrmions with helicity reversals. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8856-8860.	7.1	289
7	Towards control of the size and helicity of skyrmions in helimagnetic alloys by spinâ€“orbit coupling. Nature Nanotechnology, 2013, 8, 723-728.	31.5	264
8	Real-Space Observation of Helical Spin Order. Science, 2006, 311, 359-361.	12.6	244
9	Possible Model of the Modulated Structure in High-TcSuperconductor in a Bi-Sr-Ca-Cu-O System Revealed by High-Resolution Electron Microscopy. Japanese Journal of Applied Physics, 1988, 27, L372-L375.	1.5	243
10	Biskyrmion states and their current-driven motion in a layered manganite. Nature Communications, 2014, 5, 3198.	12.8	241
11	Electron microscopic observation of diamond particles grown from the vapour phase. Journal of Materials Science, 1983, 18, 1785-1793.	3.7	208
12	High-Pressure Synthesis, Crystal Structures, and Properties of Perovskite-like BiAlO3 and Pyroxene-like BiGaO3. Chemistry of Materials, 2006, 18, 133-139.	6.7	196
13	Origin of the Monoclinic-to-Monoclinic Phase Transition and Evidence for the Centrosymmetric Crystal Structure of BiMnO3. Journal of the American Chemical Society, 2007, 129, 971-977.	13.7	194
14	Identification of the Superconducting Phase in the Bi-Ca-Sr-Cu-O System. Japanese Journal of Applied Physics, 1988, 27, L365-L368.	1.5	179
15	High-Resolution Electron Microscopy of Modulated Structure in the New High-TcSuperconductors of the Bi-Sr-Ca-Cu-O System. Japanese Journal of Applied Physics, 1988, 27, L361-L364.	1.5	166
16	Charge Ordered States inLa1â^'xSrxFeO3. Physical Review Letters, 1997, 79, 297-300.	7.8	158
17	New oxycarbonate superconductors (Cu0.5C0.5)Ba2Canâ^'1CunO2n+3 (n=3, 4) prepared at high pressure. Physica C: Superconductivity and Its Applications, 1994, 224, 69-74.	1.2	150
18	Direct observation of single dopant atom in light-emitting phosphor of Î²-SiAlON:Eu2+. Applied Physics Letters, 2009, 94, .	3.3	147

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19	Long ropes of boron nitride nanotubes grown by a continuous laser heating. Applied Physics Letters, 2000, 76, 3239-3241.	3.3	138
20	A New Family of Superconducting Copper Oxides: (Ln1-xCex)2(Ba1-yLny)2Cu3O10-Î´(Ln: Nd, Sm, EU). Journal of the Physical Society of Japan, 1989, 58, 2252-2255.	1.6	136
21	On the 110 K Superconductor in the Bi-Ca-Sr-Cu-O System. Japanese Journal of Applied Physics, 1988, 27, L556-L558.	1.5	132
22	BiScO3:Â Centrosymmetric BiMnO3-type Oxide. Journal of the American Chemical Society, 2006, 128, 706-707.	13.7	124
23	Structural properties and charge-ordering transition inLaSr2Mn2O7. Physical Review B, 1998, 57, R3205-R3208.	3.2	115
24	Neutron and electron diffraction study of the electron-doped superconductor Nd1.845Ce0.155CuO4 â˜' y. Physica C: Superconductivity and Its Applications, 1989, 158, 433-439.	1.2	114
25	Coordination and interface analysis of atomic-layer-deposition Al2O3 on Si(001) using energy-loss near-edge structures. Applied Physics Letters, 2003, 83, 4306-4308.	3.3	112
26	Metallic Ferromagnet with Square-LatticeCoO2Sheets. Physical Review Letters, 2004, 93, 167202.	7.8	108
27	Local crystal structure analysis with several picometer precision using scanning transmission electron microscopy. Ultramicroscopy, 2010, 110, 778-782.	1.9	105
28	Variation of charge-ordering transitions inR1/3Sr2/3FeO3â€,(R=La,Pr, Nd, Sm, and Gd). Physical Review B, 1999, 60, 10788-10795.	3.2	104
29	Carbon Nanofilm with a New Structure and Property. Japanese Journal of Applied Physics, 2003, 42, L1073-L1076.	1.5	104
30	Molybdenumâ€“Vanadiumâ€Based Molecular Sieves with Microchannels of Sevenâ€Membered Rings of Cornerâ€Sharing Metal Oxide Octahedra. Angewandte Chemie - International Edition, 2008, 47, 2493-2496.	13.8	102
31	Helical Carbon and Graphitic Films Prepared from Iodine-Doped Helical Polyacetylene Film Using Morphology-Retaining Carbonization. Journal of the American Chemical Society, 2008, 130, 10880-10881.	13.7	102
32	Synthesis of Orthorhombic Moâ€Vâ€Sb Oxide Species by Assembly of Pentagonal Mo₆O₂₁ Polyoxometalate Building Blocks. Angewandte Chemie - International Edition, 2009, 48, 3782-3786.	13.8	96
33	Single graphene sheet detected in a carbon nanofilm. Applied Physics Letters, 2004, 84, 2403-2405.	3.3	94
34	Structural phase transition of the spinel-type oxide LiMn2O4. Solid State Ionics, 1998, 109, 35-41.	2.7	89
35	High Resolution Electron Microscopy of Intergrowth and Modulated Structure in 110 K High-TcSuperconductor Bi2(Sr, Ca)4Cu3Oy. Japanese Journal of Applied Physics, 1988, 27, L1241-L1244.	1.5	84
36	Topological spin textures in the helimagnet FeGe. Physical Review B, 2008, 77, .	3.2	78

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37	Advantages of a monochromator for bandgap measurements using electron energy-loss spectroscopy. Micron, 2005, 36, 185-189.	2.2	77
38	Twins and Intergrowth Defects in High-TcBi-Sr-Ca-Cu-O Superconductor Examined by High-Resolution Electron Microscopy. Japanese Journal of Applied Physics, 1988, 27, L827-L829.	1.5	76
39	A new type of host compound consisting of Î±-zirconium phosphate and an animated cyclodextrin. Nature, 1986, 322, 533-534.	27.8	75
40	Superconductivity in the new compound (Y1â^'xCax)0.95Sr2.05Cu2.4(CO3)0.6Oy. Physica C: Superconductivity and Its Applications, 1992, 201, 320-324.	1.2	74
41	Anomalously large anisotropic magnetoresistance in a perovskite manganite. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14224-14229.	7.1	74
42	Identification of the Superconducting Phase in the Nd-Ce-Sr-Cu-O System. Japanese Journal of Applied Physics, 1988, 27, L2283-L2286.	1.5	72
43	Spinel-to-CaFe2O4-Type Structural Transformation in LiMn2O4under High Pressure. Journal of the American Chemical Society, 2006, 128, 9448-9456.	13.7	70
44	Successive structural transitions coupled with magnetotransport properties inLaSr2Mn2O7. Physical Review B, 1998, 58, 11081-11084.	3.2	68
45	New oxyfluoride superconductors Sr2Canâ^'1CunO2n + ÎˊF2 Â± y (n = 2; Tc = 99 K, n = 3; Tc = 111 K) prepared at high pressure. Physica C: Superconductivity and Its Applications, 1996, 257, 313-320.	1.2	67
46	Supported Gold Catalysts Prepared from a Gold Phosphine Precursor and As-Precipitated Metal-Hydroxide Precursors: Effect of Preparation Conditions on the Catalytic Performance. Journal of Catalysis, 2000, 196, 56-65.	6.2	66
47	Crystal Structure of the Superconductor Ba1.8Nd1.2Cu3O7-y. Japanese Journal of Applied Physics, 1987, 26, L1616-L1619.	1.5	65
48	Structure Analysis of the Bi2(Sr, Ca)3Cu2O8.2Superconducting Crystal Based on the Computer Simulation of HRTEM Images. Japanese Journal of Applied Physics, 1988, 27, L1172-L1174.	1.5	64
49	Phase relationships in the system Si3N4-SiO2-La2O3. Journal of Materials Science, 1982, 17, 2359-2364.	3.7	62
50	Direct oxidation of La2CuO4 in an aqueous solution of KMnO4. Physica C: Superconductivity and Its Applications, 1993, 207, 97-101.	1.2	61
51	Study of Gold Species in Iron-Oxide-Supported Gold Catalysts Derived from Gold-Phosphine Complex Au(PPh3)(NO3) and As-Precipitated Wet Fe(OH)3*. Journal of Catalysis, 1999, 181, 37-48.	6.2	57
52	High-Resolution Electron Microscopy of Modulated Structure in 20 K Superconducting Oxide Bi2Sr2CuOy. Japanese Journal of Applied Physics, 1988, 27, L1873-L1876.	1.5	56
53	The crystal structure of the superconducting copper oxide carbonate (Ba1â^'xSrx)2Cu1+yO2+2y+z(CO3)1â^'y. Physica C: Superconductivity and Its Applications, 1992, 196, 227-235.	1.2	55
54	Structural and electrical properties under high pressure for the superconducting spin-ladder systemSr0.4Ca13.6Cu24O41+Îˊ. Physical Review B, 1998, 57, 613-621.	3.2	54

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55	A complex of copper (II)-montmorillonite with a modified cyclodextrin. Nature, 1984, 310, 45-47.	27.8	50
56	Local crystal structure analysis with 10-pm accuracy using scanning transmission electron microscopy. Journal of Electron Microscopy, 2009, 58, 131-136.	0.9	49
57	High Resolution Transmission Electron Microscopy of Defects in HighTcSuperconductor Ba2YCu3Oy. Japanese Journal of Applied Physics, 1987, 26, L777-L779.	1.5	47
58	A new series of high-Tc superconductors AlSr2Canâˆ'1CunO2n+3 (n=4, Tc=110 K; n=5, Tc=83 K) prepared at high pressure. Physica C: Superconductivity and Its Applications, 1994, 234, 120-126.	1.2	47
59	New high-Tc superconductors without rare earth element. Physica C: Superconductivity and Its Applications, 1988, 153-155, 602-607.	1.2	46
60	Charge/Orbital Ordering Structure ofPr1âˆ'xCaxMnO3(x=3/8) Examined by Low-Temperature Transmission Electron Microscopy. Physical Review Letters, 2002, 88, 097201.	7.8	46
61	Crystal symmetry of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Bi</mml:mi><mml:mi mathvariant="normal">Mn</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>: Electron diffraction study. Physical Review B, 2008, 77, .	3.2	46
62	A new homologous series of oxycarbonate superconductors Sr2(Ca,Sr)nâˆ'1Cun(CO3)1âˆ'Ï‡(BO3)Ï‡Oy (n=1, 2) Tj ETQq0 0 0 rgBT /Over	1.2	45
63	Charge-orbital ordering and ferromagnetic chains in single-layered manganite crystals. Physical Review B, 2001, 65, .	3.2	45
64	Geometrical Relations of Various Modulated Structures in Bi-Sr-Ca-Cu-O Superconductors and Related Compounds. Japanese Journal of Applied Physics, 1988, 27, L2306-L2309.	1.5	41
65	Ultra-high-resolution HVEM (H-1500) newly constructed at NIRIM. Ultramicroscopy, 1991, 39, 8-20.	1.9	41
66	Investigations on the structural disordering of neutron-irradiated highly oriented pyrolytic graphite by X-ray diffraction and electron microscopy. Journal of Applied Crystallography, 2005, 38, 361-367.	4.5	41
67	Crystallographic superstructure of Ti-doped hexagonalYMnO3. Physical Review B, 2005, 71, .	3.2	41
68	Identification of the HighTcSuperconductor in the System Y-Ba-Cu-O. Japanese Journal of Applied Physics, 1987, 26, L476-L478.	1.5	40
69	BaTiO3thin films grown on SrTiO3substrates by a molecular-beam-epitaxy method using oxygen radicals. Journal of Applied Physics, 1997, 81, 693-697.	2.5	40
70	Software techniques for EELS to realize about 0.3 eV energy resolution using 300 kV FEG-TEM. Journal of Microscopy, 2002, 208, 224-228.	1.8	40
71	Profile-Imaging of Wavy Cleavage Surface of Bi2Sr2CaCu2Oyby High-Resolution Transmission Electron Microscopy. Japanese Journal of Applied Physics, 1989, 28, L946-L948.	1.5	39
72	Strong pinning effect and magnetic nanodomain formation by coupling between magnetic and crystallographic domains in the ordered double perovskiteBa2FeMoO6. Physical Review B, 2007, 75, .	3.2	39

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73	X-Ray and Electron-Microscopic Studies on Single-Phase HighTcSuperconductor, YBa2Cu3Oy. Japanese Journal of Applied Physics, 1987, 26, L619-L620.	1.5	38
74	Homologous compounds,InFeO3(ZnO)m (m = 1â€“9). Journal of Solid State Chemistry, 1988, 74, 98-109.	2.9	38
75	A new series of oxycarbonate superconductors (Cu0.5C0.5)2Ba3Canâ¯1CunO2n+5(n=4, 5) prepared at high pressure. Physica C: Superconductivity and Its Applications, 1994, 227, 95-101.	1.2	38
76	Parent of Misfit-Layered Cobalt Oxides:â€‰ [Sr2O2]qCoO2. Chemistry of Materials, 2006, 18, 155-158.	6.7	38
77	High-Pressure Synthesis, Crystal Structure Determination, and a Ca Substitution Study of the Metallic Rhodium Oxide NaRh2O4. Chemistry of Materials, 2005, 17, 359-365.	6.7	37
78	New series of high-Tc Cr-based superconductors. Physica C: Superconductivity and Its Applications, 1998, 302, 244-256.	1.2	36
79	Ferromagnetic Domain Structures and Nanoclusters inNd1/2Sr1/2MnO3. Physical Review Letters, 2002, 89, 207203.	7.8	36
80	Crystal Structure of Ba1.5La1.5Cu3O7-x. Japanese Journal of Applied Physics, 1987, 26, L1153-L1155.	1.5	35
81	Charge/Orbital Ordering Structure in Ordered Perovskite Sm1/2Ba1/2MnO3. Journal of the Physical Society of Japan, 2002, 71, 2605-2608.	1.6	35
82	The study of Al-L23 ELNES with resolution-enhancement software and first-principles calculation. Journal of Electron Microscopy, 2003, 52, 299-303.	0.9	35
83	High-Resolution Electron Microscopy of Planer Defects and Dislocation in Ba2YCu3Oy. Japanese Journal of Applied Physics, 1988, 27, L350-L353.	1.5	34
84	A High Resolution Lattice Image of Nb12O29by Means of a High Voltage Electron Microscope Newly Constructed. Japanese Journal of Applied Physics, 1976, 15, 2483-2484.	1.5	33
85	Electron Diffraction and Microscope Study of Radiation Damage in Ba2YCu3Oy. Japanese Journal of Applied Physics, 1987, 26, L1183-L1185.	1.5	33
86	Transmission Electron Microscopy of Modulated Structures in Pb-Doped BSCO Superconductors, Bi2.1-xPbxSr1.9CuOy(x=0 to 0.3). Japanese Journal of Applied Physics, 1990, 29, L273-L276.	1.5	32
87	High-pressure synthesis of Y1-xCaxSr2GaCu2O7Â±Î´ (0â©½xâ©½1.0). Physica C: Superconductivity and Its Applications, 1994, 222, 310-316.	1.2	32
88	The Al-Rich Part of the System CaO-Al2O3-MgO. Journal of Solid State Chemistry, 1995, 120, 364-371.	2.9	32
89	High-Pressure Synthesis and Properties of Solid Solutions between BiMnO3 and BiScO3. Chemistry of Materials, 2007, 19, 1679-1689.	6.7	32
90	Study of boron nitride by electron energy-loss spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 1982, 27, 243-254.	1.7	31

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91	Ultra-high-resolution HVEM (H-1500) newly constructed at NIRIM. Ultramicroscopy, 1991, 39, 231-237.	1.9	31
92	Direct transformation of graphite to cubic diamond observed in a laser-heated diamond anvil cell. Applied Physics Letters, 1998, 72, 1843-1845.	3.3	31
93	Electron Diffraction and Microscope Study of Ba-Nd-Cu-O Superconducting Oxides and Related Compounds. Japanese Journal of Applied Physics, 1987, 26, L1693-L1696.	1.5	30
94	New series of oxide superconductors, BSr2Canâˆ'1CunO2n+3 (n = 3 âˆ¼ 5), prepared at high pressure. Physica C: Superconductivity and Its Applications, 1995, 254, 131-136.	1.2	30
95	Direct Observation of Small-Polaron Ordering in Manganites. Physical Review Letters, 1999, 82, 2386-2389.	7.8	30
96	New misfit-layered cobalt oxide (CaOH)1.14CoO2. Journal of Solid State Chemistry, 2007, 180, 249-259.	2.9	30
97	Crystal structure analysis of Ca4YFe5O13by combining 1 MeV high-resolution electron microscopy with convergent-beam electron diffraction. The Acta Crystallographica Section A, Crystal Physics, Diffractionoretical and General Crystallography, 1981, 37, 723-728.	0.6	29
98	Phase equilibrium study of the system NaV2O5î—¸V2O3î—¸V2O5 at 923 K. Journal of Solid State Chemistry, 1990, 89, 130-137.	2.9	29
99	Incommensurate and commensurate superstructures in the oxycarbonate superconductor TlSr4âˆ'xBaxCu2(CO3)Oy (xâ‰ˆ2). Physica C: Superconductivity and Its Applications, 1993, 217, 287-293.	1.2	29
100	Transversely modulated crystal structure of charge-orbital ordered manganitesNd1âˆ'xSr1+xMnO4(x=2/3,3/4). Physical Review B, 2002, 65, .	3.2	28
101	Carbon nanotubeâ€"chalcogenide glass composite. Journal of Solid State Chemistry, 2010, 183, 144-149.	2.9	28
102	Photoluminescence properties of crystallized strontium aluminate thin films prepared by ion-beam evaporation. Thin Solid Films, 2002, 407, 136-138.	1.8	27
103	High-Resolution Transmission Electron Microscopy of Long-Period Structures of Various Phases in a Bi-Sr-Cu-O System. Japanese Journal of Applied Physics, 1989, 28, L602-L605.	1.5	26
104	New oxyborate superconductor, BSr2Ca3Cu4O11 (Tc = 110 K) prepared at high pressure. Physica C: Superconductivity and Its Applications, 1995, 241, 137-141.	1.2	26
105	Observation of Magnetic Ripple and Nanowidth Domains in a Layered Ferromagnet. Physical Review Letters, 2005, 95, 227204.	7.8	26
106	Decisive factors for realizing atomic-column resolution using STEM and EELS. Micron, 2008, 39, 257-262.	2.2	26
107	Effect of multielement doping on low-field magnetotransport in La0.7âˆ'xMmxCa0.3MnO3 (0.0â©½xâ©½0.45) manganite. Journal of Magnetism and Magnetic Materials, 2009, 321, 1814-1820.	2.3	26
108	Observation of magnetic domain structure in phase-separated manganites by Lorentz electron microscopy. Journal of Electron Microscopy, 2002, 51, 225-229.	0.9	25

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109	Noncubic layered structure ofBa1â^'xKxBiO3superconductor. Physical Review B, 2003, 67, .	3.2	25
110	A new oxycarbonate superconductor (Cu0.5C0.5)2Ba3Ca2Cu3O11 (Tc=91 K) prepared at high pressure. Physica C: Superconductivity and Its Applications, 1994, 233, 143-148.	1.2	24
111	0.23eV energy resolution obtained using a cold field-emission gun and a streak imaging technique. Micron, 2005, 36, 465-469.	2.2	24
112	Changes of magnetic domain structure induced by temperature-variation and electron-beam irradiation in Pr0.5Sr0.5CoO3. Applied Physics Letters, 2005, 86, 131913.	3.3	24
113	Transition of V6O13 to VO2 observed with a high-resolution electron microscope. The Acta Crystallographica Section A, Crystal Physics, Diffractionoretical and General Crystallography, 1975, 31, 660-664.	0.6	23
114	The crystal structure of 4Nb2O5.9WO3 studied by 1 MV high-resolution electron microscopy. The Acta Crystallographica Section A, Crystal Physics, Diffractionoretical and General Crystallography, 1978, 34, 939-946.	0.6	23
115	Superconductivities in the (Bi,Pb)-oxycarbonate system. Physica C: Superconductivity and Its Applications, 1993, 213, 51-56.	1.2	23
116	Novel Rare Earth Boron-Rich Solids. Journal of Solid State Chemistry, 2001, 159, 174-180.	2.9	23
117	Structures and catalytic activity of Pt$z.sbnd;Mo bimetallic ensembles derived from a new planar 6PtMo6O2498$minus; heteropolyanion supported on Al2O3 and SiO2I. Characterization of the supported 6PtMo69 catalysts. Journal of Catalysis, 1992, 135, 367-385.	6.2	22
118	Entanglement-free fibrils of aligned polyacetylene films that produce single nanofibers. Nanoscale, 2010, 2, 509.	5.6	22
119	Structure image of Yb3Fe4O10 by a 1 MV high-resolution electron microscope. Acta Crystallographica Section B: Structural Crystallography and Crystal Chemistry, 1979, 35, 561-564.	0.4	21
120	High pressure synthesis and superconducting properties of Sr2Canâ^'1CunOy (n=1â^¼4) and Sr2Canâ^'1CunO2n+Î´F2Â±y (n=2â^¼5). Physica C: Superconductivity and Its Applications, 1997, 282-287, 513-514.	1.2	21
121	Anomalous ferromagnetic behavior and large magnetoresistance induced by orbital fluctuation in heavily doped<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Nd</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="normal">Sr</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mi>1</mml:mi></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mi>3</mml:mi></mml:msub></mml:mrow>	3.2	21
122	Tubular-Shaped Nanocarbons Prepared from Polyaniline Synthesized by a Self-Assembly Process and Their Electrical Conductivity. Journal of Nanoscience and Nanotechnology, 2008, 8, 1999-2004.	0.9	21
123	Enhancement in ordering of Fe50Pt50 film caused by Cr and Cu additives. Journal of Applied Physics, 2009, 106, 033907.	2.5	21
124	High-Pressure Synthesis and Characterization of a New Series of V-Based Superconductors (Cu0.5V0.5)Sr2Can-1CunOy. Chemistry of Materials, 1999, 11, 2185-2190.	6.7	20
125	New ferromagnets of Sr8ARe3Cu4O24 (A=Sr, Ca) with an ordered perovskite structure. Journal of Solid State Chemistry, 2003, 175, 366-371.	2.9	20
126	Development of dedicated STEM with high stability. Journal of Electron Microscopy, 2007, 56, 17-20.	0.9	20

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127	TEM ? electron energy loss spectroscope study of the diamond particles prepared by the chemical vapour deposition from methane. Journal of Materials Science Letters, 1983, 2, 532-534.	0.5	19
128	A Superstructure Model to Interpret the Diffuse Electron Scattering Observed in Ba2YCu3Oy. Japanese Journal of Applied Physics, 1987, 26, L2021-L2022.	1.5	19
129	Nanoparticles of Amorphous Ruthenium Sulfide Easily Obtainable from a TiO2-Supported Hexanuclear Cluster Complex [Ru6C(CO)16]2â^': A Highly Active Catalyst for the Reduction of SO2 with H2. Chemistry - A European Journal, 2002, 8, 3260.	3.3	19
130	TEM study of the influence of antisite defects on magnetic domain structures in double perovskite Ba2FeMoO6. Journal of Electron Microscopy, 2005, 54, 61-65.	0.9	19
131	Direct observation of the spin structures of vortex domain walls in ferromagnetic nanowires. Physical Review B, 2008, 78, .	3.2	19
132	Effects of Fe and Ni substitutions on the 1-2-4 structure of YBCO superconductors studied by high-resolution transmission electron microscopy. Physica C: Superconductivity and Its Applications, 1992, 191, 32-42.	1.2	18
133	Calorimetric and high-resolution transmission electron microscopy study of nanocrystallization in zirconia gel. Journal of Materials Research, 1999, 14, 1834-1843.	2.6	18
134	Possible presence of a charge-orbital density wave in layered manganitesNd1â^'xCa1+xMnO4. Physical Review B, 2003, 68, .	3.2	18
135	Vertically Aligned Single-Crystal ZnO Nanotubes Grown on Î³-LiAlO2(100) Substrate by Metalorganic Chemical Vapor Deposition. Japanese Journal of Applied Physics, 2007, 46, L730-L732.	1.5	18
136	The application of Lorentz transmission electron microscopy to the study of lamellar magnetism in hematite-ilmenite. American Mineralogist, 2009, 94, 262-269.	1.9	18
137	Formations of rhombohedral boron nitride, as revealed by TEM-electron energy loss spectroscopy. Journal of Materials Science, 1981, 16, 1114-1116.	3.7	17
138	Experimental investigation of phase contrast formed by inelastically scattered electrons. Ultramicroscopy, 2003, 96, 335-342.	1.9	17
139	Irradiation-induced defects in Î²''-alumina examined by 1 MV high-resolution electron microscopy. The Acta Crystallographica Section A, Crystal Physics, Diffractionoretical and General Crystallography, 1981, 37, 51-61.	0.6	16
140	Small particles of cubic boron nitride prepared by electron irradiation of hexagonal boron nitride in a transmission electron microscope. Journal of Crystal Growth, 1984, 66, 243-247.	1.5	16
141	Modulated structures of (Bi1â^'xPbx)2Sr2CoOy examined by high-resolution transmission electron microscopy. Physica C: Superconductivity and Its Applications, 1992, 196, 34-42.	1.2	16
142	Structural Order/Disorder in the AlSr2YCu2O7Compound. Journal of Solid State Chemistry, 1997, 133, 434-438.	2.9	16
143	Microstructures in Tl-1223/Ag tapes with different chemical compositions and Jc's. Physica C: Superconductivity and Its Applications, 2000, 330, 169-180.	1.2	16
144	Zn-Al layered double hydroxide-based nanocomposite functionalized with an octahedral molybdenum cluster exhibiting prominent photoactive and oxidation properties. Applied Clay Science, 2020, 196, 105765.	5.2	16

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145	(4H)2â€“4CType superstructure of TiS1.46as determined by high-resolution electron microscopy. The Acta Crystallographica Section A, Crystal Physics, Diffractionoretical and General Crystallography, 1979, 35, 564-569.	0.6	15
146	Direct Observation of Oxygen Atoms in a Tetragonal YBa2Cu3O7.7High-TcSuperconductor by Means of Ultra-High-Resolution High Voltage Electron Microscopy. Japanese Journal of Applied Physics, 1992, 31, L59-L62.	1.5	15
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