

Masanori Mitome

List of Publications by Year in descending order

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182
papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Transport of intensity equation method and its applications. <i>Microscopy</i> (Oxford, England), 2021, 70, 69-74.	1.5	9
2	A stable LaB ₆ nanoneedle field-emission point electron source. <i>Nanoscale Advances</i> , 2021, 3, 2787-2792.	4.6	17
3	Demonstration of ultrahigh thermoelectric efficiency of $\sim 147.3\%$ in Mg ₃ Sb ₂ /MgAgSb module for low-temperature energy harvesting. <i>Joule</i> , 2021, 5, 1196-1208.	24.0	205
4	Semiconductor nanochannels in metallic carbon nanotubes by thermomechanical chirality alteration. <i>Science</i> , 2021, 374, 1616-1620.	12.6	32
5	Self-healing by design: universal kinetic model of strength recovery in self-healing ceramics. <i>Science and Technology of Advanced Materials</i> , 2020, 21, 593-608.	6.1	21
6	Electrical conduction and field emission of a single-crystalline Gd ₄₄ Si ₂ nanowire. <i>Nanoscale</i> , 2020, 12, 18263-18268.	5.6	1
7	A HfC nanowire point electron source with oxycarbide surface of lower work function for high-brightness and stable field-emission. <i>Nano Research</i> , 2020, 13, 1620-1626.	10.4	17
8	A controllable and efficient method for the fabrication of a single HfC nanowire field-emission point electron source aided by low keV FIB milling. <i>Nanoscale</i> , 2020, 12, 16770-16774.	5.6	12
9	Intrinsic and Defect-Related Elastic Moduli of Boron Nitride Nanotubes As Revealed by <i>in Situ</i> Transmission Electron Microscopy. <i>Nano Letters</i> , 2019, 19, 4974-4980.	9.1	8
10	Kinking effects and transport properties of coaxial BN-C nanotubes as revealed by in situ transmission electron microscopy and theoretical analysis. <i>APL Materials</i> , 2019, 7, 101118.	5.1	0
11	Realization and direct observation of five normal and parametric modes in silicon nanowire resonators by <i>in situ</i> transmission electron microscopy. <i>Nanoscale Advances</i> , 2019, 1, 1784-1790.	4.6	4
12	Effect of nitrogen acceptor co-doping on the structural and magnetic properties of (Zn, Fe) Te. <i>Journal of Crystal Growth</i> , 2019, 511, 42-47.	1.5	4
13	Microporous materials formed via intercalation of ultrathin coordination polymers in a layered silicate. <i>Nano Energy</i> , 2019, 59, 162-168.	16.0	8
14	Development of thermoelectric thin films and characterization methods. <i>Journal of Physics: Conference Series</i> , 2019, 1407, 012055.	0.4	1
15	Development of Nanoscale Thermocouple Probes for Local Thermal Measurements. <i>E-Journal of Surface Science and Nanotechnology</i> , 2019, 17, 102-107.	0.4	2
16	Tunable Mechanical and Electrical Properties of Coaxial BN-C Nanotubes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1800576.	2.4	3
17	Transmission Electron Microscope. , 2018, , 775-781.		0
18	Field Effect of a Chemically Assembled Fe ₃ O ₄ Nanocrystal Film Single-Electron Transistor. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1700608.	1.8	0

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19	Chirality transitions and transport properties of individual few-walled carbon nanotubes as revealed by in situ TEM probing. <i>Ultramicroscopy</i> , 2018, 194, 108-116.	1.9	9
20	Visualizing nanoscale heat pathways. <i>Nano Energy</i> , 2018, 52, 323-328.	16.0	16
21	Structures of radioactive Cs-bearing microparticles in non-spherical forms collected in Fukushima. <i>Geochemical Journal</i> , 2018, 52, 123-136.	1.0	22
22	Structure and composition analysis of nanotubes and ceramics by a new 300 kV energy-filtered FEGTEM. , 2018, , 83-90.		0
23	A new omega filter electron microscope at 300 kV. , 2018, , 41-44.		0
24	Nano-micro-porous skutterudites with 100% enhancement in ZT for high performance thermoelectricity. <i>Nano Energy</i> , 2017, 31, 152-159.	16.0	201
25	A Novel Design Approach for Self-Crack-Healing Structural Ceramics with 3D Networks of Healing Activator. <i>Scientific Reports</i> , 2017, 7, 17853.	3.3	56
26	Nanostructured polymeric yolk-shell capsules: a versatile tool for hierarchical nanocatalyst design. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9850-9857.	10.3	14
27	Lithium ion battery anodes using Si-Fe based nanocomposite structures. <i>Nano Energy</i> , 2016, 26, 37-42.	16.0	62
28	In situ cyclic telescoping of multi-walled carbon nanotubes in a transmission electron microscope. <i>Carbon</i> , 2016, 107, 225-232.	10.3	6
29	Statistically Analyzed Photoresponse of Elastically Bent CdS Nanowires Probed by Light-Compatible In Situ High-Resolution TEM. <i>Nano Letters</i> , 2016, 16, 6008-6013.	9.1	26
30	Growth and doping control of Ge/Si and Si/Ge core-shell nanowires. , 2016, , .		0
31	Constituent elements and their distribution in the radioactive Cs-bearing silicate glass microparticles released from Fukushima nuclear plant. <i>Microscopy (Oxford, England)</i> , 2016, 65, 451-459.	1.5	61
32	Internal structure of cesium-bearing radioactive microparticles released from Fukushima nuclear power plant. <i>Scientific Reports</i> , 2016, 6, 20548.	3.3	88
33	Magnetoresistance at Room Temperature of Oleic Acid Coated Fe _{3-x} Co _x O ₄ ($x = 0, 0.1 \text{ and } 0.3$) Nanocrystal Drop-Cast Films. <i>Transactions of the Materials Research Society of Japan</i> , 2015, 40, 55-58.	9.2	0
34	Nanoscale characterization of the thermal interface resistance of a heat-sink composite material by in situ TEM. <i>Nanotechnology</i> , 2015, 26, 465705.	2.6	6
35	Amorphization and Directional Crystallization of Metals Confined in Carbon Nanotubes Investigated by in Situ Transmission Electron Microscopy. <i>Nano Letters</i> , 2015, 15, 4922-4927.	9.1	12
36	Structural and magnetic properties of hexagonal CrTe films grown on CdTe(001) by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2015, 415, 31-35.	1.5	9

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37	Aluminum matrix composites reinforced with multi-walled boron nitride nanotubes fabricated by a high-pressure torsion technique. <i>Materials and Design</i> , 2015, 88, 451-460.	7.0	67
38	Pollutant capturing SERS substrate: porous boron nitride microfibers with uniform silver nanoparticle decoration. <i>Nanoscale</i> , 2015, 7, 18992-18997.	5.6	56
39	Magnetoresistance of Drop-Cast Film of Cobalt-Substituted Magnetite Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 17410-17415.	8.0	6
40	Three-dimensional strutted graphene grown by substrate-free sugar blowing for high-power-density supercapacitors. <i>Nature Communications</i> , 2013, 4, 2905.	12.8	606
41	A Rhombic Dodecahedral Honeycomb Structure with Cation Vacancy Ordering in a In_2O_3 Crystal. <i>Crystal Growth and Design</i> , 2013, 13, 3577-3581.	3.0	20
42	Transmission electron microscope as an ultimate tool for nanomaterial property studies. <i>Microscopy (Oxford, England)</i> , 2013, 62, 157-175.	1.5	8
43	Revealing the Anomalous Tensile Properties of WS_2 Nanotubes by in Situ Transmission Electron Microscopy. <i>Nano Letters</i> , 2013, 13, 1034-1040.	9.1	40
44	Solid-Solution Semiconductor Nanowires in Pseudobinary Systems. <i>Nano Letters</i> , 2013, 13, 85-90.	9.1	36
45	Morphology and crystallographic phase of C particles formed in Fe-Cr-Ni-C alloys. <i>Materials Science and Technology</i> , 2013, 29, 672-678.	1.6	4
46	Large, Negative Magnetoresistance in an Oleic Acid-Coated Fe_3O_4 Nanocrystal Self-Assembled Film. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 11584-11589.	8.0	21
47	Ultrathin specimen preparation by a low-energy Ar-ion milling method. <i>Microscopy (Oxford, England)</i> , 2013, 62, 321-326.	1.5	11
48	Structural analysis of Cr aggregation in ferromagnetic semiconductor $(\text{Zn,Cr})\text{Te}$. , 2013, , .		1
49	The Metastable Phase Responsible for Hardenig in an Al-Mg Alloy Aged at 473K. <i>Advanced Materials Research</i> , 2013, 748, 123-127.	0.3	1
50	Synthesis and magnetic properties of fergusonite-structured $\text{La}(\text{NbVMn})\text{O}_4$. <i>Emerging Materials Research</i> , 2013, 2, 191-197.	0.7	1
51	In situ TEM measurements of nanotube and nanosheet properties. <i>Microscopy and Microanalysis</i> , 2012, 18, 1542-1543.	0.4	0
52	Characterization of Impurity Doping and Stress in Si/Ge and Ge/Si Core-Shell Nanowires. <i>ACS Nano</i> , 2012, 6, 8887-8895.	14.6	64
53	Effects of $\text{In}_{1.9}\text{Sn}_{0.1}\text{O}_3$ matrix on magnetization of dispersed Fe_3O_4 nanocrystals. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012, 209, 2570-2573.	1.8	0
54	Element discrimination in a hexagonal boron nitride nanosheet by aberration corrected transmission electron microscopy. <i>Ultramicroscopy</i> , 2012, 122, 6-11.	1.9	2

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55	Structural analysis of the phase separation in magnetic semiconductor (Zn, Cr)Te. <i>Physica B: Condensed Matter</i> , 2012, 407, 2947-2949.	2.7	17
56	Mechanical Properties of Si Nanowires as Revealed by in Situ Transmission Electron Microscopy and Molecular Dynamics Simulations. <i>Nano Letters</i> , 2012, 12, 1898-1904.	9.1	151
57	Nanomaterial Engineering and Property Studies in a Transmission Electron Microscope. <i>Advanced Materials</i> , 2012, 24, 177-194.	21.0	43
58	Origin of Coproduced Boron Nitride and Carbon Helical Conical Fibers. <i>Crystal Growth and Design</i> , 2011, 11, 3141-3148.	3.0	3
59	Magnetic and Magnetoelectric Properties of Self-Assembled $\text{Fe}_{2.5}\text{Mn}_{0.5}\text{O}_4$ Nanocrystals. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 3589-3593.	8.0	8
60	Local temperature measurements on nanoscale materials using a movable nanothermocouple assembled in a transmission electron microscope. <i>Nanotechnology</i> , 2011, 22, 485707.	2.6	15
61	Oxygen annealing for deuterium-doped indium tin oxide thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 829-833.	1.8	0
62	Chemical Blowing of Thin-Walled Bubbles: High-Throughput Fabrication of Large-Area, Few-Layered BN and C_x Nanosheets. <i>Advanced Materials</i> , 2011, 23, 4072-4076.	21.0	217
63	Correlation between resistivity and oxygen vacancy of hydrogen-doped indium tin oxide thin films. <i>Thin Solid Films</i> , 2011, 519, 3557-3561.	1.8	30
64	Infrared spectroscopic and electron microscopic characterization of gold nanogap structure fabricated by focused ion beam. <i>Nanotechnology</i> , 2011, 22, 275202.	2.6	27
65	Composition and structure of Pd nanoclusters in SiO_x thin film. <i>Journal of Applied Physics</i> , 2011, 109, 084329.	2.5	12
66	Inhomogeneous Cr distribution and superparamagnetic behavior in magnetic semiconductor (Zn, Tl)Te. <i>Journal of Applied Physics</i> , 2010, 108, 084329.	10.0	10
67	352 nm ultraviolet emission from high-quality crystalline AlN whiskers. <i>Nanotechnology</i> , 2010, 21, 075708.	2.6	18
68	Self-assembled ZnS nanowire arrays: synthesis, in situ Cu doping and field emission. <i>Nanotechnology</i> , 2010, 21, 375601.	2.6	27
69	Effects of Hydrogen in Working Gas on Valence States of Oxygen in Sputter-Deposited Indium Tin Oxide Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2010, 2, 663-668.	8.0	17
70	Crystallography of Novel T-Shaped ZnS Nanostructures and Their Cathodoluminescence. <i>Crystal Growth and Design</i> , 2010, 10, 4143-4147.	3.0	19
71	Doping and Raman Characterization of Boron and Phosphorus Atoms in Germanium Nanowires. <i>ACS Nano</i> , 2010, 4, 3807-3816.	14.6	99
72	Quantitativeness of phase measurement by transport of intensity equation. <i>Journal of Electron Microscopy</i> , 2010, 59, 33-41.	0.9	24

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73	Boron Nitride Nanotubes and Nanosheets. ACS Nano, 2010, 4, 2979-2993.	14.6	1,981
74	Alignment of Boron Nitride Nanotubes in Polymeric Composite Films for Thermal Conductivity Improvement. Journal of Physical Chemistry C, 2010, 114, 4340-4344.	3.1	188
75	In Situ TEM Electrical and Mechanical Probing of Individual Multi-walled Boron Nitride Nanotubes. Topics in Applied Physics, 2010, , 275-286.	0.8	1
76	The formation of Er-oxide nanoclusters in SiO ₂ thin films with excess Si. Journal of Applied Physics, 2009, 106, 014305.	2.5	8
77	Crystallography and elasticity of individual GaN nanotubes. Nanotechnology, 2009, 20, 185705.	2.6	12
78	Electron-beam irradiation induced conductivity in ZnS nanowires as revealed by in situ transmission electron microscope. Journal of Applied Physics, 2009, 106, 034302.	2.5	11
79	Formation of Cr-rich Nano-clusters and Columns in (Zn,Cr)Te Grown by MBE. Materials Research Society Symposia Proceedings, 2009, 1183, 13.	0.1	5
80	Effects of hydrogen in working gas for sputter-deposition on surface morphology and microstructure of indium tin oxide thin films grown at room temperature. Materials Letters, 2009, 63, 2365-2368.	2.6	2
81	Two-probe electrical measurements in transmission electron microscopes Behavioral control of tungsten microwires. Microscopy Research and Technique, 2009, 72, 93-100.	2.2	18
82	Experimental study of reaction between perovskite and molten iron to 146 GPa and implications for chemically distinct buoyant layer at the top of the core. Physics and Chemistry of Minerals, 2009, 36, 355-363.	0.8	40
83	Bicrystalline ZnS Microbelts. Crystal Growth and Design, 2009, 9, 2790-2793.	3.0	33
84	Magnetoresistance and Microstructure of Magnetite Nanocrystals Dispersed in Indium-Tin Oxide Thin Films. ACS Applied Materials & Interfaces, 2009, 1, 1893-1898.	8.0	3
85	Thermal Conductivity Improvement of Polymer Films by Catechin-Modified Boron Nitride Nanotubes. Journal of Physical Chemistry C, 2009, 113, 13605-13609.	3.1	115
86	The synthesis, structure and cathodoluminescence of ellipsoid-shaped ZnGa ₂ O ₄ nanorods. Nanotechnology, 2009, 20, 365705.	2.6	20
87	Properties and engineering of individual inorganic nanotubes in a transmission electron microscope. Journal of Materials Chemistry, 2009, 19, 909.	6.7	27
88	Fluorescence XAFS analysis of local structures in iodine-doped Zn _{1-x} Cr _x Te. Journal of Physics: Conference Series, 2009, 190, 012103.	0.4	1
89	ZnO low-dimensional structures: electrical properties measured inside a transmission electron microscope. Journal of Materials Science, 2008, 43, 1460-1470.	3.7	26
90	Nanotubes in a gradient electric field as revealed by STM TEM technique. Nano Research, 2008, 1, 166-175.	10.4	24

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91	Effective synthesis of surface-modified boron nitride nanotubes and related nanostructures and their hydrogen uptake. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2551-2555.	2.7	39
92	Synthesis and magnetic properties of Fe-doped (In ^{1+Ho}) ₂ O ₃ solid solution. <i>Scripta Materialia</i> , 2008, 59, 444-447.	5.2	1
93	Size control and dielectric isolation of FePt nanoparticles using the MCM-41 molecular sieve. <i>Materials Letters</i> , 2008, 62, 3682-3684.	2.6	6
94	Chemical equilibrium between ferropicriase and molten iron to 134 GPa and implications for iron content at the bottom of the mantle. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	46
95	Mn ^{Si} -Catalyzed Synthesis and Tip-End-Induced Room Temperature Ferromagnetism of SiC/SiO ₂ Core-Shell Heterostructures. <i>Journal of Physical Chemistry C</i> , 2008, 112, 18911-18915.	3.1	15
96	Stepwise Current-Driven Release of Attogram Quantities of Copper Iodide Encapsulated in Carbon Nanotubes. <i>Nano Letters</i> , 2008, 8, 3120-3125.	9.1	56
97	An experimental study of charge distribution in crystalline and amorphous Si nanoclusters in thin silica films. <i>Journal of Applied Physics</i> , 2008, 103, .	2.5	29
98	Phase Separation in La _{1-x} Sr _x MnO _{3+δ} Nanocrystals Studied by Electron Spin Resonance. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 074715.	1.6	12
99	Codoping of boron and phosphorus in silicon nanowires synthesized by laser ablation. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	33
100	Characterization of amorphous and crystalline silicon nanoclusters in ultra thin silica layers. <i>Journal of Applied Physics</i> , 2008, 104, 094315.	2.5	5
101	In-situ TEM electrical and mechanical properties measurements of one-dimensional inorganic nanomaterials. , 2008, , .		1
102	Site-selective formation of Si nanocrystal in SiO ₂ by femtosecond laser irradiation and Al deoxidization effects. <i>Applied Physics Letters</i> , 2008, 92, 153112.	3.3	5
103	A Quantitative Study of Precipitation of Metastable Phases in an Al-1.94 at%Cu Alloy during Isothermal Aging at 373 K. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2008, 72, 407-412.	0.4	0
104	Correlation between Cr Distribution and Ferromagnetism in Iodine-Doped (Zn,Cr)Te. <i>Journal of the Korean Physical Society</i> , 2008, 53, 2917-2920.	0.7	2
105	Boron Nitride Nanotubes: Recent Breakthroughs and Challenges. <i>ECS Transactions</i> , 2007, 11, 15-21.	0.5	2
106	Room Temperature Ferromagnetism of Fe Doped Indium Tin Oxide Based on Dispersed Fe ₃ O ₄ Nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2007, 46, L823-L825.	1.5	7
107	Nitrogen-doped carbon nanotube structure tailoring and time-resolved transport measurements in a transmission electron microscope. <i>Applied Physics Letters</i> , 2007, 91, 223108.	3.3	11
108	Formation of Si nanocrystallites observed by in situ transmission electron microscopy and their effect on the enhancement of Er photoluminescence in Er-doped SiO ₂ . <i>Journal of Applied Physics</i> , 2007, 102, 114309.	2.5	3

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109	Direct Force Measurements and Kinking under Elastic Deformation of Individual Multiwalled Boron Nitride Nanotubes. <i>Nano Letters</i> , 2007, 7, 2146-2151.	9.1	192
110	Deformation-Driven Electrical Transport of Individual Boron Nitride Nanotubes. <i>Nano Letters</i> , 2007, 7, 632-637.	9.1	183
111	Copper-Filled Carbon Nanotubes: Rheostatlike Behavior and Femtogram Copper Mass Transport. <i>Advanced Materials</i> , 2007, 19, 1937-1942.	21.0	93
112	High-Yield Synthesis of Rhombohedral Boron Nitride Triangular Nanoplates. <i>Advanced Materials</i> , 2007, 19, 2141-2144.	21.0	61
113	Structural peculiarities of in situ deformation of a multi-walled BN nanotube inside a high-resolution analytical transmission electron microscope. <i>Acta Materialia</i> , 2007, 55, 1293-1298.	7.9	76
114	Synthesis of silicon nanocrystals in aluminum-doped SiO ₂ film by laser ablation method. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2007, 38, 31-35.	2.7	5
115	Origin and control of high-temperature ferromagnetism in semiconductors. <i>Nature Materials</i> , 2007, 6, 440-446.	27.5	318
116	Multi-walled boron nitride nanotubes composed of diverse cross-section and helix type shells. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 88, 347-352.	2.3	47
117	Electrical properties of CN _x nanotubes probed in a transmission electron microscope. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 90, 225-229.	2.3	14
118	A Quantitative Study of Precipitation of Metastable Phases in an Al-1.94 at%Cu Alloy during Isothermal Aging at 373 K. <i>Materials Transactions</i> , 2006, 47, 3001-3006.	1.2	5
119	Atomic structures of iron-based single-crystalline nanowires crystallized inside multi-walled carbon nanotubes as revealed by analytical electron microscopy. <i>Acta Materialia</i> , 2006, 54, 2567-2576.	7.9	59
120	Epitaxial growth of β -Ga ₂ O ₃ nanocolumns on MgO substrate. <i>Journal of Crystal Growth</i> , 2006, 286, 240-246.	1.5	12
121	Hydrogenation effect on enhancement of photoluminescence of Er and Si nanocrystallites in Er-doped SiO ₂ synthesized by laser ablation. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 84, 395-401.	2.3	19
122	Doping of Fe to In ₂ O ₃ . <i>Thin Solid Films</i> , 2006, 505, 122-125.	1.8	36
123	Visibility of Si nanoparticles embedded in an amorphous SiO ₂ matrix. <i>Journal of Electron Microscopy</i> , 2006, 55, 201-207.	0.9	0
124	Microstructure Effects on the Electrochemical Kinetics of Vanadium Pentoxide Thin-Film Cathodes. <i>Journal of the Electrochemical Society</i> , 2006, 153, A1372.	2.9	17
125	In situ electrical probing and bias-mediated manipulation of dielectric nanotubes in a high-resolution transmission electron microscope. <i>Applied Physics Letters</i> , 2006, 88, 123101.	3.3	32
126	Synthesis of mesoscopic barium titanate single crystals incorporating a cuboid-shaped hollow core. <i>Journal of Crystal Growth</i> , 2005, 275, e2377-e2381.	1.5	2

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127	Peculiarities of Fe?Ni alloy crystallization and stability inside C nanotubes as derived through electron microscopy. <i>Acta Materialia</i> , 2005, 53, 1583-1593.	7.9	17
128	Real-time observation of liquid Indium unusual behavior inside silica nanotubes. <i>Chemical Physics Letters</i> , 2005, 409, 75-80.	2.6	19
129	In situ growth of Indium nanocrystals on InP nanorods mediated by electron beam of transmission electron microscope. <i>Chemical Physics Letters</i> , 2005, 416, 321-326.	2.6	10
130	Precipitation behavior of an Al?Cu alloy during isothermal aging at low temperatures. <i>Materials Letters</i> , 2005, 59, 629-632.	2.6	180
131	\hat{I}^2 -Ga ₂ O ₃ nanorods crossing perpendicularly each other on MgO (100) substrate. <i>Journal of Materials Science</i> , 2005, 40, 4145-4147.	3.7	2
132	Magnetic Behavior of Fe Doped In ₂ O ₃ . <i>Japanese Journal of Applied Physics</i> , 2005, 44, L979-L981.	1.5	36
133	Discrimination of B?C?N nanotubes through energy-filtering electron microscopy. <i>Diamond and Related Materials</i> , 2005, 14, 1857-1866.	3.9	17
134	Growth of \hat{I}^2 -Ga ₂ O ₃ nanocolumns crossing perpendicularly each other on MgO (100) surface. <i>Journal of Alloys and Compounds</i> , 2005, 390, 261-264.	5.5	7
135	Solubilities of O and Si in liquid iron in equilibrium with (Mg,Fe)SiO ₃ perovskite and the light elements in the core. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	129
136	Frequency-dependent bifurcation point between field-cooled and zero-field-cooled dielectric constant of LiTaO ₃ nanoparticles embedded in amorphous SiO ₂ . <i>Applied Physics Letters</i> , 2004, 84, 3385-3387.	3.3	0
137	Unusual Freezing and Melting of Gallium Encapsulated in Carbon Nanotubes. <i>Physical Review Letters</i> , 2004, 93, 095504.	7.8	98
138	Magnetic Cluster Behavior of \hat{I}^{\pm} -LiFeO ₂ Related to the Cation Arrangements. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1232-L1235.	1.5	7
139	Dilution Effects on Chemical and Magnetic Clusters of \hat{I}^{\pm} -LiFeO ₂ . <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1620-L1622.	1.5	0
140	Transmission electron microscopy and electron diffraction study of the short-range ordering structure of \hat{I}^{\pm} -LiFeO ₂ . <i>Acta Crystallographica Section B: Structural Science</i> , 2004, 60, 698-704.	1.8	14
141	Nanoanalysis by a high-resolution energy filtering transmission electron microscope. <i>Microscopy Research and Technique</i> , 2004, 63, 140-148.	2.2	19
142	Phases and crystallization of encapsulated cobalt nanorods inside BN nanotubes. <i>Acta Materialia</i> , 2004, 52, 601-606.	7.9	44
143	Boron nitride nanotubes as nanocrucibles for morphology and phase transformations in encapsulated nanowires of the Mg?O system. <i>Acta Materialia</i> , 2004, 52, 3295-3303.	7.9	29
144	Facile nanocoating method: From B-doped to BN-coated one-dimensional nanostructures. <i>Applied Physics Letters</i> , 2004, 85, 106-108.	3.3	9

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145	Segregation of core melts by permeable flow in the lower mantle. <i>Earth and Planetary Science Letters</i> , 2004, 224, 249-257.	4.4	42
146	Boron nitride nanostructures formed by ultra-high-repetition rate laser ablation. <i>Diamond and Related Materials</i> , 2003, 12, 1269-1274.	3.9	70
147	Nanoscale Oxygen Generators: MgO ₂ -Based Fillings of BN Nanotubes. <i>Journal of Physical Chemistry B</i> , 2003, 107, 8726-8729.	2.6	32
148	Formation, Structure, and Structural Properties of a New Filamentary Tubular Form: Hollow Conical-Helix of Graphitic Boron Nitride. <i>Journal of the American Chemical Society</i> , 2003, 125, 8032-8038.	13.7	24
149	Domain Boundaries in Ce ³⁺ -SiAlON as Revealed by HRTEM. <i>Key Engineering Materials</i> , 2003, 253, 89-102.	0.4	0
150	Spectral properties of a novel antimony(III)-phthalocyanine complex that behaves like J-aggregates in non-aqueous media. Electronic supplementary information (ESI) available: Raman spectra of [Sb(tbpc)] ³⁺ for tablet. See http://www.rsc.org/suppdata/cc/b3/b304089e/ . <i>Chemical Communications</i> , 2003, 1864.	4.1	45
151	Large frequency dependence of lowered maximum dielectric constant temperature of LiTaO ₃ nanocrystals dispersed in mesoporous silicate. <i>Applied Physics Letters</i> , 2003, 82, 4134-4136.	3.3	6
152	In situ electrical measurements and manipulation of B/N-doped C nanotubes in a high-resolution transmission electron microscope. <i>Journal of Electron Microscopy</i> , 2003, 52, 111-117.	0.9	10
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