

Kazutaka Mitsuishi

List of Publications by Year in descending order

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170
papers

2,718
citations

201575

27
h-index

243529

44
g-index

171
all docs

171
docs citations

171
times ranked

2913
citing authors

#	ARTICLE	IF	CITATIONS
1	Fraction of a Millimeter Propagation of Exciton Polaritons in Photoexcited Nanofibers of Organic Dye. <i>Physical Review Letters</i> , 2010, 105, 067401.	2.9	140
2	Grain boundary modification to suppress lithium penetration through garnet-type solid electrolyte. <i>Journal of Power Sources</i> , 2017, 363, 145-152.	4.0	129
3	Ordering in a Fluid Inert Gas Confined by Flat Surfaces. <i>Science</i> , 2002, 296, 507-510.	6.0	121
4	Mean free path of inelastic electron scattering in elemental solids and oxides using transmission electron microscopy: Atomic number dependent oscillatory behavior. <i>Physical Review B</i> , 2008, 77, .	1.1	114
5	Porous amorphous silicon film anodes for high-capacity and stable all-solid-state lithium batteries. <i>Communications Chemistry</i> , 2018, 1, .	2.0	109
6	Micrometer-scale Photonic Circuit Components Based on Propagation of Exciton Polaritons in Organic Dye Nanofibers. <i>Advanced Materials</i> , 2011, 23, 3659-3663.	11.1	84
7	High performance silicon-based anodes in solid-state lithium batteries. <i>Energy and Environmental Science</i> , 2014, 7, 662-666.	15.6	84
8	Self-Assembly of Symmetric GaAs Quantum Dots on (111)A Substrates: Suppression of Fine-Structure Splitting. <i>Applied Physics Express</i> , 2010, 3, 065203.	1.1	77
9	Effect of Interface Behavior between Particles on Properties of Pure Al Powder Compacts by Spark Plasma Sintering. <i>Materials Transactions</i> , 2001, 42, 1846-1849.	0.4	75
10	Ultracompact Asymmetric Mach-Zehnder Interferometers with High Visibility Constructed from Exciton Polariton Waveguides of Organic Dye Nanofibers. <i>Advanced Functional Materials</i> , 2013, 23, 839-845.	7.8	60
11	Effect of Mg on the Sintering of Al-Mg Alloy Powders by Pulse Electric-Current Sintering Process. <i>Materials Transactions</i> , 2004, 45, 904-909.	0.4	53
12	Impact bonding and rebounding between kinetically sprayed titanium particle and steel substrate revealed by high-resolution electron microscopy. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 065304.	1.3	53
13	Development of a stage-scanning system for high-resolution confocal STEM. <i>Journal of Electron Microscopy</i> , 2008, 57, 123-127.	0.9	47
14	Nanoscale Energy-Filtered Scanning Confocal Electron Microscopy Using a Double-Aberration-Corrected Transmission Electron Microscope. <i>Physical Review Letters</i> , 2010, 104, 200801.	2.9	46
15	Anode Properties of Si Nanoparticles in All-Solid-State Li Batteries. <i>ACS Applied Energy Materials</i> , 2019, 2, 7005-7008.	2.5	40
16	Electron beam-induced deposition using iron carbonyl and the effects of heat treatment on nanostructure. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 1869-1872.	1.1	39
17	Reduction of Surface Oxide Films in Al-Mg Alloy Powders by Pulse Electric Current Sintering. <i>Journal of Materials Research</i> , 2004, 19, 815-819.	1.2	38
18	Lithium diffusion coefficient in LiMn ₂ O ₄ thin films measured by secondary ion mass spectrometry with ion-exchange method. <i>Solid State Ionics</i> , 2018, 320, 266-271.	1.3	34

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19	Nanostructure characterization of tungsten-containing nanorods deposited by electron-beam-induced chemical vapour decomposition. <i>Philosophical Magazine</i> , 2004, 84, 1281-1289.	0.7	33
20	Determination of Atomic Positions in a Solid Xe Precipitate Embedded in an Al Matrix. <i>Physical Review Letters</i> , 1999, 82, 3082-3084.	2.9	32
21	Reduction mechanism of surface oxide films and characterization of formations on pulse electric-current sintered Al-Mg alloy powders. <i>Applied Surface Science</i> , 2005, 241, 102-106.	3.1	32
22	Synthesis of LiCoO ₂ epitaxial thin films using a sol-gel method. <i>Journal of Power Sources</i> , 2015, 274, 417-423.	4.0	32
23	Influence of strain on local structure and lithium ionic conduction in garnet-type solid electrolyte. <i>Journal of Power Sources</i> , 2017, 368, 97-106.	4.0	31
24	Three-dimensional imaging of carbon nanostructures by scanning confocal electron microscopy. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	30
25	Epitaxy of Li ₃ La _{2/3} TiO ₃ Films and the Influence of La Ordering on Li-Ion Conduction. <i>Chemistry of Materials</i> , 2015, 27, 1233-1241.	3.2	30
26	Fabrication of Metal-Oxide-Diamond Field-Effect Transistors with Submicron-Sized Gate Length on Boron-Doped (111) H-Terminated Surfaces Using Electron Beam Evaporated SiO ₂ and Al ₂ O ₃ . <i>Journal of Electronic Materials</i> , 2011, 40, 247-252.	1.0	29
27	Optical Microring Resonators Constructed from Organic Dye Nanofibers and Their Application to Miniaturized Channel Drop/Add Filters. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 6182-6188.	4.0	28
28	Electron microscopy studies of the intermediate layers at the SiO ₂ /GaN interface. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 110312.	0.8	28
29	Fabrication of self-standing nanowires, nanodendrites, and nanofractal-like trees on insulator substrates with an electron-beam-induced deposition. <i>Applied Physics A: Materials Science and Processing</i> , 2005, 80, 1431-1436.	1.1	25
30	Self-assembled coronene nanofibers: optical waveguide effect and magnetic alignment. <i>Nanoscale</i> , 2014, 6, 4174.	2.8	25
31	Droplet epitaxial growth of highly symmetric quantum dots emitting at telecommunication wavelengths on InP(111)A. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	24
32	Highly efficient photocatalytic conversion of solar energy to hydrogen by WO ₃ /BiVO ₄ core-shell heterojunction nanorods. <i>Applied Nanoscience (Switzerland)</i> , 2019, 9, 1017-1024.	1.6	24
33	Highly Monochromatic Electron Emission from Graphene/Hexagonal Boron Nitride/Si Heterostructure. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 4061-4067.	4.0	24
34	Behavior of Oxide Film at Interface between Particles of Al-Mg Alloy Powder Compacts Prepared by Pulse Electric Current Sintering. <i>Japanese Journal of Applied Physics</i> , 2003, 42, 4725-4728.	0.8	23
35	Position- and size-controlled fabrication of iron silicide nanorods by electron-beam-induced deposition using an ultrahigh-vacuum transmission electron microscope. <i>Applied Physics Letters</i> , 2005, 86, 183104.	1.5	23
36	Comparative Analysis of Defects in Mg-Implanted and Mg-Doped GaN Layers on Freestanding GaN Substrates. <i>Nanoscale Research Letters</i> , 2018, 13, 403.	3.1	21

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37	Polarity controlled InAs{111} films grown on Si(111). Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2011, 29, .	0.6	20
38	Conversion Reaction in the Binder-Free Anode for Fast-Charging Li-Ion Batteries Based on WO ₃ Nanorods. ACS Applied Energy Materials, 2020, 3, 6700-6708.	2.5	20
39	Bloch wave-based calculation of imaging properties of high-resolution scanning confocal electron microscopy. Ultramicroscopy, 2008, 108, 981-988.	0.8	19
40	Three-Dimensional Optical Sectioning by Scanning Confocal Electron Microscopy with a Stage-Scanning System. Microscopy and Microanalysis, 2010, 16, 233-238.	0.2	19
41	Microstructural analysis and Transport Properties of MoO and MoC nanostructures prepared by focused electron beam-induced deposition. Scientific Reports, 2014, 4, 5740.	1.6	19
42	A dynamic Monte Carlo study of their situgrowth of a substance deposited using electron-beam-induced deposition. Nanotechnology, 2006, 17, 3832-3837.	1.3	18
43	Imaging properties of bright-field and annular-dark-field scanning confocal electron microscopy. Ultramicroscopy, 2010, 111, 20-26.	0.8	18
44	Bright-field scanning confocal electron microscopy using a double aberration-corrected transmission electron microscope. Ultramicroscopy, 2011, 111, 877-886.	0.8	18
45	Relationship between variable range hopping transport and carrier density of amorphous In ₂ O ₃ â€“10â€“wt. % ZnO thin films. Journal of Applied Physics, 2012, 112, .	1.1	18
46	Composition Control of Electron Beam Induced Nanodeposits by Surface Pretreatment and Beam Focusing. Journal of Physical Chemistry C, 2009, 113, 21516-21519.	1.5	17
47	Low-energy ion scattering spectroscopy and reflection high-energy electron diffraction of native oxides on GaN(0001). Japanese Journal of Applied Physics, 2017, 56, 128004.	0.8	16
48	Fabrication of ordered array of tungsten nanoparticles on anodic porous alumina by electron-beam-induced selective deposition. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2004, 22, 2589.	1.6	15
49	Proximity Effect in Electron-Beam-Induced Deposition. Japanese Journal of Applied Physics, 2006, 45, 5517-5521.	0.8	15
50	Sample Preparation of GaN-Based Materials on a Sapphire Substrate for STEM Analysis. Journal of Electron Microscopy, 2007, 57, 1-5.	0.9	15
51	Growth of Metamorphic InGaAs on GaAs (111)A: Counteracting Lattice Mismatch by Inserting a Thin InAs Interlayer. Crystal Growth and Design, 2016, 16, 5412-5417.	1.4	15
52	Non-negative matrix factorization for mining big data obtained using four-dimensional scanning transmission electron microscopy. Ultramicroscopy, 2021, 221, 113168.	0.8	15
53	The electric double layer effect and its strong suppression at Li ⁺ solid electrolyte/hydrogenated diamond interfaces. Communications Chemistry, 2021, 4, .	2.0	15
54	Three-dimensional elemental mapping of hollow Fe ₂ O ₃ @SiO ₂ mesoporous spheres using scanning confocal electron microscopy. Applied Physics Letters, 2012, 100, .	1.5	14

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55	Orientation of \hat{I}^3 to \hat{I}^\pm transformation in Xe-implanted austenitic 304 stainless steel. Journal of Nuclear Materials, 2000, 281, 80-83.	1.3	13
56	Effects of focus change on the fabrication of tungsten nanowire by electron-beam-induced deposition. Nanotechnology, 2004, 15, S414-S419.	1.3	13
57	Characterization of metal nanoparticles fabricated in ordered array pores of anodic porous alumina by electron-beam-induced selective deposition. Applied Surface Science, 2005, 241, 91-95.	3.1	13
58	Transition from silicon nanowires to isolated quantum dots: Optical and structural evolution. Physical Review B, 2013, 87, .	1.1	13
59	Droplet epitaxy growth of telecom InAs quantum dots on metamorphic InAlAs/GaAs(111)A. Japanese Journal of Applied Physics, 2015, 54, 04DH07.	0.8	13
60	Epitaxial growth of LiCoO ₂ thin films with (001) orientation. AIP Advances, 2017, 7, .	0.6	13
61	Effect of accelerating voltage on crystallization of self-standing W-nanodendrites fabricated on SiO ₂ substrate with electron-beam-induced deposition. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 564-569.	1.3	12
62	Fabrication of GaNAs/AlGaAs Heterostructures with Large Band Offset Using Periodic Growth Interruption. Applied Physics Express, 2011, 4, 125001.	1.1	12
63	Three-dimensional analysis of nanoparticles on carbon support using aberration-corrected scanning confocal electron microscopy. Applied Physics Letters, 2012, 101, .	1.5	12
64	Morphologies of metastable inert gas precipitates in aluminum observed with in situ HRTEM. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2001, 304-306, 135-143.	2.6	11
65	Electron microscopic observation of interfaces of aluminium powder compacts prepared by spark plasma sintering. Journal of Electron Microscopy, 2002, 51, S149-S153.	0.9	11
66	Growth of Tungsten Nanodendrites on SiO ₂ Substrate Using Electron-Beam-Induced Deposition. Journal of Nanoscience and Nanotechnology, 2005, 5, 615-619.	0.9	11
67	Mechanisms of Crystalline Iron Oxide Formation in Electron Beam-Induced Deposition. Japanese Journal of Applied Physics, 2007, 46, 6247-6249.	0.8	11
68	Elastic scattering of 200 keV electrons in elemental solids: experimental observation of atomic-number-dependent oscillatory behavior. Journal of Physics Condensed Matter, 2009, 21, 155402.	0.7	11
69	In Situ X-ray Diffraction of LiCoO ₂ in Thin-Film Batteries under High-Voltage Charging. ACS Applied Energy Materials, 2021, 4, 14372-14379.	2.5	11
70	Formation of iron nano-dot arrays by electron beam-induced deposition using an ultrahigh vacuum transmission electron microscope. Journal of Crystal Growth, 2005, 275, e2361-e2366.	0.7	10
71	Ultrahigh-Vacuum Third-Order Spherical Aberration (Cs) Corrector for a Scanning Transmission Electron Microscope. Microscopy and Microanalysis, 2006, 12, 456-460.	0.2	10
72	Contrast in atomically resolved EF-STEM imaging. Ultramicroscopy, 2013, 134, 185-192.	0.8	10

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73	Atomically Resolved Scanning Confocal Electron Microscopy Using a Double Aberration-corrected Transmission Electron Microscope. <i>Microscopy and Microanalysis</i> , 2014, 20, 376-377.	0.2	10
74	Phase-transition-induced jumping, bending, and wriggling of single crystal nanofibers of coronene. <i>Scientific Reports</i> , 2021, 11, 3175.	1.6	10
75	Nanostructures fabricated by electron beam induced chemical vapor deposition. <i>Superlattices and Microstructures</i> , 2004, 36, 255-264.	1.4	9
76	Nanodot and Nanorod Formation in Electron-Beam-Induced Deposition Using Iron Carbonyl. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 5651-5653.	0.8	9
77	Modeling the Process of Electron-Beam-Induced Deposition by Dynamic Monte Carlo Simulation. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 5659-5663.	0.8	9
78	Resolution in New Nanofabrication Technique Combining Electron-Beam-Induced Deposition and Low-Energy Ion Milling. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 5627-5630.	0.8	9
79	Characterization of nanometer-sized Pt-dendrite structures fabricated on insulator Al ₂ O ₃ substrate by electron-beam-induced deposition. <i>Journal of Materials Science</i> , 2006, 41, 2567-2571.	1.7	9
80	Structure and pressure inside Xe nanoparticles embedded in Al. <i>Physical Review B</i> , 2008, 78, .	1.1	9
81	Orientation alignment of epitaxial LiCoO ₂ thin films on vicinal SrTiO ₃ (100) substrates. <i>Journal of Power Sources</i> , 2016, 325, 306-310.	4.0	9
82	New scheme of calculation of annular dark-field STEM image including both elastically diffracted and TDS waves. <i>Microscopy (Oxford, England)</i> , 2001, 50, 157-162.	0.7	8
83	Characterization of nanometer-sized dendritic form structures fabricated on insulator substrates with an electron-beam-induced deposition in a TEM. <i>Applied Surface Science</i> , 2005, 241, 107-112.	3.1	8
84	Morphology of Iron Silicide Nanorods Formed by Electron-Beam-Induced Deposition Using Ultrahigh-Vacuum Transmission Electron Microscope. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 5635-5638.	0.8	8
85	Quantitative structural analysis of twin boundary in ZnO . <i>Ultramicroscopy</i> , 2008, 108, 96-103.	0.8	8
86	Development of Stage-scanning System for Confocal Scanning Transmission Electron Microscopy. <i>E-Journal of Surface Science and Nanotechnology</i> , 2008, 6, 111-114.	0.1	8
87	Optical Waveguiding along a Sub-100-nm-Width Organic Nanofiber: Significant Effect of Cooling on Waveguiding Properties. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1186-1192.	1.5	8
88	Electron microscopy and ultraviolet photoemission spectroscopy studies of native oxides on GaN(0001). <i>Japanese Journal of Applied Physics</i> , 2018, 57, 098003.	0.8	8
89	Origin of Monochromatic Electron Emission From Planar-Type Graphene/ h -BN/ n -Si Devices. <i>Physical Review Applied</i> , 2021, 15, .	1.5	8
90	High-angle annular dark-field STEM observation of Xe nanocrystals embedded in Al. <i>Ultramicroscopy</i> , 2001, 88, 25-31.	0.8	7

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91	Fabrication and Investigation of Tungsten Deposit on Top and Bottom Surfaces of Thin Film Substrate. Japanese Journal of Applied Physics, 2007, 46, 6254-6257.	0.8	7
92	Cross-sectional Transmission Electron Microscopy and Optical Characterization of Gold Nanoislands. Japanese Journal of Applied Physics, 2009, 48, 080207.	0.8	7
93	Imaging properties of bright-field and annular-dark-field scanning confocal electron microscopy: II. Point spread function analysis. Ultramicroscopy, 2012, 112, 53-60.	0.8	7
94	Effect of lithium isotopes on the phase transition in NASICON-type lithium-ion conductor $\text{LiZr}_2(\text{PO}_4)_3$. Solid State Ionics, 2018, 321, 29-33.	1.3	7
95	4D-Data Acquisition in Scanning Confocal Electron Microscopy for Depth-Sectioned Imaging. E-Journal of Surface Science and Nanotechnology, 2018, 16, 247-252.	0.1	7
96	Direct observation of curvature of the wave surface in transmission electron microscope using transport intensity equation. Ultramicroscopy, 2018, 194, 7-14.	0.8	7
97	Fabrication of a liquid cell for <i>in situ</i> transmission electron microscopy. Microscopy (Oxford, England), 2018, 2018, 07-14.	0.7	7
98	Lowering the sintering temperature of $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ electrolyte for co-fired all-solid-state batteries via partial Bi substitution and precise control of compositional deviation. Journal of the Ceramic Society of Japan, 2022, 130, 416-423.	0.5	7
99	Crystallization of Focused-Electron-Beam Deposited Tungsten Wire on Molybdenum Substrate. Japanese Journal of Applied Physics, 2006, 45, 5548-5551.	0.8	6
100	Effects of Heat Treatment on Electric Properties of Nanorods Formed by Electron Beam-Induced Deposition. Japanese Journal of Applied Physics, 2006, 45, 5509-5512.	0.8	6
101	Direct electron beam writing of Bragg gratings in exciton polariton waveguides of organic dye nanofibers. Applied Physics Letters, 2011, 99, 253302.	1.5	6
102	Interrelation between inhomogeneity and cyclability in $\text{O}_3\text{NaFe}_{1/2}\text{Co}_{1/2}\text{O}_2$. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1600284.	1.2	6
103	Two-dimensional Gaussian fitting for precise measurement of lattice constant deviation from a selected-area diffraction map. Microscopy (Oxford, England), 2018, 67, 142-149.	0.7	6
104	TEM Observation of the Reduction of Wustite by Hydrogen Ion Implantation. ISIJ International, 2004, 44, 2029-2032.	0.6	5
105	Direct UHV-TEM Observation of Palladium Clusters on a Silicon Surface. Microscopy and Microanalysis, 2004, 10, 134-138.	0.2	5
106	Fabrication and Characterization of Self-Standing W-Nanodendrites on Insulator SiO_2 Substrate by Electron-Beam-Induced Deposition under HVTEM. Japanese Journal of Applied Physics, 2005, 44, 5654-5658.	0.8	5
107	Transmission Electron Microscopy of Martensitic Transformation in Xe-implanted Austenitic 304 Stainless Steel. Journal of Materials Research, 2005, 20, 1751-1757.	1.2	5
108	Fabrication of Free-Standing Tungsten-Nanowhiskers on SiO_2 Substrates with Electron-Beam Induced Deposition. Materials Transactions, 2007, 48, 2551-2555.	0.4	5

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109	Investigation of intermediate layers in oxides/GaN(0001) by electron microscopy. Japanese Journal of Applied Physics, 2018, 57, 118003.	0.8	5
110	Structure of Nanowires Fabricated by Electron Beam Induced Deposition to Connect Self-Assembled Quantum Structures. Japanese Journal of Applied Physics, 2007, 46, 6277-6281.	0.8	4
111	Super-resolution phase reconstruction technique in electron holography with a stage-scanning system. Japanese Journal of Applied Physics, 2014, 53, 02BC23.	0.8	4
112	V2O5-P2O5-Fe2O3-Li2O Glass-Ceramics as High-Capacity Cathode for Lithium-Ion Batteries. Materials Research Society Symposia Proceedings, 2014, 1643, 1.	0.1	4
113	Strain Relaxation in GaSb/GaAs(111)A Heteroepitaxy Using Thin InAs Interlayers. ACS Omega, 2018, 3, 15592-15597.	1.6	4
114	Preparation of LiCo ₂ by Molten Salts on Li _{0.29} La _{0.57} TiO ₃ Solid Electrolyte and Electrochemical Performances of the All-solid-state Li Secondary Battery. Electrochemistry, 2022, , .	0.6	4
115	Structure and chemical changes of CeO ₂ irradiated with hydrogen ions. Nuclear Instruments & Methods in Physics Research B, 2002, 191, 586-590.	0.6	3
116	UHV-HRTEM observation of Pd clusters on Pd adsorbed Si(111) 1 $\bar{1}$ 1 surface. Surface Science, 2003, 532-535, 671-677.	0.8	3
117	Dependence on substrate topography of growth of nanosized dendritic structures in an electron-beam-induced deposition process. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 575-579.	1.3	3
118	Local characterizations of quaternary AlInGaN/GaN heterostructures using TEM and HAADF-STEM. Surface and Interface Analysis, 2008, 40, 1660-1663.	0.8	3
119	Production of Various Carbon Nanoclusters by Impact Reaction Using Light-Gas Gun as Simulation of Asteroid Collisions in Space. Japanese Journal of Applied Physics, 2011, 50, 125102.	0.8	3
120	Experimental examination of the characteristics of bright-field scanning confocal electron microscopy images. Journal of Electron Microscopy, 2011, 60, 227-234.	0.9	3
121	Improvement of Depth Resolution of ADF-STEM by Deconvolution: Effects of Electron Energy Loss and Chromatic Aberration on Depth Resolution. Microscopy and Microanalysis, 2012, 18, 603-611.	0.2	3
122	Three-dimensional observation of SiO ₂ hollow spheres with a double-shell structure using aberration-corrected scanning confocal electron microscopy. Microscopy (Oxford, England), 2012, 61, 159-169.	0.7	3
123	Direct acquisition of interferogram by stage scanning in electron interferometry. Microscopy (Oxford, England), 2013, 62, 563-570.	0.7	3
124	Concerted influence of microstructure and adsorbed water on lithium-ion conduction of Li _{1.3} Al _{0.3} Ti _{1.7} (PO ₄) ₃ . Journal of Power Sources, 2021, 511, 230422.	4.0	3
125	High-resolution STEM observation of the dynamics of Pt nanoparticles in a liquid. Japanese Journal of Applied Physics, 2022, 61, SD1021.	0.8	3
126	Layer-doubling method in ADF-STEM image simulation. Ultramicroscopy, 2003, 96, 323-333.	0.8	2

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127	Public Opened Internet Electron Microscopy in Educational Field. <i>Microscopy and Microanalysis</i> , 2004, 10, 1566-1567.	0.2	2
128	TEM Sample Preparation Using a New Nanofabrication Technique Combining Electron-Beam-Induced Deposition and Low-Energy Ion Milling. <i>Microscopy and Microanalysis</i> , 2006, 12, 545-548.	0.2	2
129	The Development of Ultra-high Vacuum Cs-Corrected Scanning Transmission Electron Microscope for Fast Fabrication of Desired Nanostructures. <i>Microscopy and Microanalysis</i> , 2006, 12, 1366-1367.	0.2	2
130	Electron-Beam-Induced Deposition of Fe Nanoparticles and Thin Films on SrTiO ₃ Substrates. <i>Japanese Journal of Applied Physics</i> , 2007, 46, 6243-6246.	0.8	2
131	Formation of Defect Clusters in SrTiO ₃ Crystals Implanted with Xenon Ions. <i>Materials Science Forum</i> , 2007, 561-565, 1757-1760.	0.3	2
132	Iron Nanostructures Fabricated by Electron Beam Induced Deposition and its Magnetic Properties. <i>Solid State Phenomena</i> , 2007, 124-126, 139-142.	0.3	2
133	Precipitation behavior of Xe at grain boundaries in Si ₃ N ₄ ceramic during implantation at elevated temperature. <i>Journal of Nuclear Materials</i> , 2010, 397, 122-127.	1.3	2
134	Manifold enhancement of electron beam induced deposition rate at grazing incidence. <i>Nanotechnology</i> , 2010, 21, 025303.	1.3	2
135	Reconstruction Method for Phase-Shifting Electron Holography Fitted with Fresnel Diffraction Affected Fringes. <i>Materials Science Forum</i> , 0, 833, 215-221.	0.3	2
136	In-Plane Magnetic Field Evaluation with 0.47-nm Resolution by Aberration-Corrected 1.2-MV Holography Electron Microscope. <i>Microscopy and Microanalysis</i> , 2019, 25, 54-55.	0.2	2
137	Tracking the emergence of epitaxial metal-oxide interfaces from precursor alloys. <i>Nanoscale</i> , 2021, 13, 18987-18995.	2.8	2
138	The stability of a double-slab configuration of two-phase particles confined in a third phase. <i>Philosophical Magazine Letters</i> , 2002, 82, 695-702.	0.5	1
139	Melting and crystallization of Xe nanoprecipitates in Al under 1 MeV electron irradiation. <i>Journal of Electron Microscopy</i> , 2002, 51, S175-S181.	0.9	1
140	Xe Precipitates in Aluminum. <i>Materials Research Society Symposia Proceedings</i> , 2003, 792, 1.	0.1	1
141	Detection of iron-oxide layer on the surface of iron nitride using high-resolution electron microscopy and Fourier filtering. <i>Journal of Electron Microscopy</i> , 2004, 53, 143-148.	0.9	1
142	Dynamic Monte Carlo Simulation on the Electron-Beam-Induced Deposition of Carbon, Silver, and Tungsten Supertips. <i>Microscopy and Microanalysis</i> , 2006, 12, 549-552.	0.2	1
143	Electric field influence on emission of characteristic X-ray from Al ₂ O ₃ targets bombarded by slow Xe ⁺ ions. <i>Powder Diffraction</i> , 2006, 21, 156-157.	0.4	1
144	Fabrication of Iron Oxide Nanostructures by Electron Beam-Induced Deposition. <i>Materials Science Forum</i> , 2007, 561-565, 1101-1104.	0.3	1

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145	Fabrication of Submicron GaAs/AlAs Double-Barrier Resonant Tunneling Diodes by Wet Etching with In Droplets as Mask. Japanese Journal of Applied Physics, 2007, 46, L994-L996.	0.8	1
146	Development of Annular Dark Field Confocal Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2009, 15, 612-613.	0.2	1
147	Three-dimensional Observation of Carbon Nanostructures with Confocal Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2009, 15, 636-637.	0.2	1
148	Scanning Confocal Electron Microscopy (SCEM) Combined with Deconvolution Technique. Microscopy and Microanalysis, 2012, 18, 332-333.	0.2	1
149	Current Developments of Scanning Confocal Electron Microscopy in a Double Aberration-Corrected Transmission Electron Microscope. Microscopy and Microanalysis, 2012, 18, 532-533.	0.2	1
150	Mapping of Phase Distribution in Electron Holography with a Stage-Scanning System. Materials Science Forum, 0, 750, 152-155.	0.3	1
151	Resolution Improvement in Stage-Scanning Electron Holography: Comparison with Conventional Electron Holography. ISRN Nanotechnology, 2013, 2013, 1-5.	1.3	1
152	Fixation mechanisms of nanoparticles on substrates by electron beam irradiation. Beilstein Journal of Nanotechnology, 2017, 8, 1523-1529.	1.5	1
153	Accurate determination of strains at layered materials by selected area electron diffraction mapping. Japanese Journal of Applied Physics, 2019, 58, S1A03.	0.8	1
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