

Kazuhisa Sato

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131 papers	2,081 citations	23 h-index	40 g-index
132 ext. papers	2,275 ext. citations	3 avg, IF	4.72 L-index

#	Paper	IF	Citations
131	Extensive study of giant magnetoresistance properties in half-metallic Co ₂ (Fe,Mn)Si-based devices. <i>Applied Physics Letters</i> , 2012 , 101, 252408	3.4	147
130	Strain-induced martensitic transformation near twin boundaries in a biomedical Co ₉₀ Cr ₁₀ Mo alloy with negative stacking fault energy. <i>Acta Materialia</i> , 2013 , 61, 1648-1661	8.4	113
129	Dependence of photocatalytic activities upon the structures of Au/Pd bimetallic nanoparticles immobilized on TiO ₂ surface. <i>Applied Catalysis B: Environmental</i> , 2010 , 94, 248-253	21.8	96
128	Room-temperature ductility of Ti ₅₀ Al ₄₀ V alloy with β martensite microstructure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 1512-1520	5.3	88
127	Coesite and stishovite in a shocked lunar meteorite, Asuka-881757, and impact events in lunar surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 463-6	11.5	79
126	Fabrication and nanostructure of oriented FePt particles. <i>Journal of Applied Physics</i> , 2000 , 87, 6962-6964	4.5	73
125	Ordering of island-like FePt crystallites with orientations. <i>Applied Physics Letters</i> , 1999 , 75, 3686-3688	3.4	72
124	Suzuki segregation in Co ₉₀ Ni ₁₀ -based superalloy at 973 K: An experimental and computational study by phase-field simulation. <i>Acta Materialia</i> , 2012 , 60, 2901-2915	8.4	58
123	Structure and magnetic property changes of epitaxially grown L1 ₀ -FePd isolated nanoparticles on annealing. <i>Journal of Applied Physics</i> , 2003 , 93, 6291-6298	2.5	53
122	Artificially produced rare-earth free cosmic magnet. <i>Scientific Reports</i> , 2015 , 5, 16627	4.9	49
121	Multi-L1(0) domain CoPt and FePt nanoparticles revealed by electron microscopy. <i>Physical Review Letters</i> , 2013 , 110, 055501	7.4	48
120	Fabrication of oriented L1 ₀ -FePt and FePd nanoparticles with large coercivity. <i>Journal of Applied Physics</i> , 2002 , 91, 8516	2.5	47
119	Stabilization of Stacking Faults and a Long Period Stacking Phase Dispersed in α -Mg Crystalline Grains of Mg-0.7 at%Zn-1.4 at%Y Alloy. <i>Materials Transactions</i> , 2009 , 50, 222-225	1.3	44
118	Long-range order parameter of single L1 ₀ -FePd nanoparticle determined by nanobeam electron diffraction: Particle size dependence of the order parameter. <i>Journal of Applied Physics</i> , 2005 , 98, 024308	3.5	44
117	Improvement of electron mobility in La:BaSnO ₃ thin films by insertion of an atomically flat insulating (Sr,Ba)SnO ₃ buffer layer. <i>AIP Advances</i> , 2016 , 6, 065305	1.5	44
116	Fabrication and properties of Lotus-type porous nickel-free stainless steel for biomedical applications. <i>Materials Science and Engineering C</i> , 2008 , 28, 44-50	8.3	43
115	Structures and magnetic properties of oriented Fe/Au and Fe/Pt nanoparticles on α -Al ₂ O ₃ . <i>Journal of Electron Microscopy</i> , 1999 , 48, 753-759		36

114	Structural and Compositional Modulation in Transformation of LPSO Structure in Mg ₉₇ Zn ₁ Y ₂ Cast Alloys. <i>Materials Transactions</i> , 2013 , 54, 668-674	1.3	31
113	Low temperature ferromagnetism in chemically ordered FeRh nanocrystals. <i>Physical Review Letters</i> , 2013 , 110, 087207	7.4	29
112	Direct observation of a surface induced disordering process in magnetic nanoparticles. <i>Physical Review Letters</i> , 2009 , 103, 115703	7.4	29
111	Electron microscope study of the formation of graphitic nanostructures in nickel-loaded wood char. <i>Carbon</i> , 2012 , 50, 3486-3496	10.4	24
110	L10 Type Ordered Phase Formation in Fe-Au Nanoparticles. <i>Japanese Journal of Applied Physics</i> , 2002 , 41, L1-L3	1.4	23
109	Atomic structure imaging of L10-type FePd nanoparticles by spherical aberration corrected high-resolution transmission electron microscopy. <i>Journal of Applied Physics</i> , 2009 , 105, 034308	2.5	21
108	Alloying effects on the phase equilibria among Ni(A1), Ni ₃ Al(L12) and Ni ₃ V(D022) phases. <i>Intermetallics</i> , 2012 , 23, 68-75	3.5	20
107	Hard Magnetic Properties of (001) Oriented L10-FePd Nanoparticles Formed at 773 K. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, L1121-L1123	1.4	20
106	Phase transformation and age-hardening of hexagonal δ martensite in Ti _{100-2mass%V-2mass%Al} alloys studied by transmission electron microscopy. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 607-614	5.7	19
105	Order-disorder transformation in FePd alloy nanoparticles studied by in situ transmission electron microscopy. <i>Thin Solid Films</i> , 2011 , 519, 3305-3311	2.2	19
104	Particle size dependence of atomic ordering and magnetic properties of L10-FePd nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 2356-2358	2.8	19
103	Effects of additive element and particle size on the atomic ordering temperature of L10-FePt nanoparticles. <i>Scripta Materialia</i> , 2003 , 48, 921-927	5.6	19
102	Development of a novel straining holder for transmission electron microscopy compatible with single tilt-axis electron tomography. <i>Microscopy (Oxford, England)</i> , 2015 , 64, 369-75	1.3	18
101	Three-dimensional shapes and distribution of FePd nanoparticles observed by electron tomography using high-angle annular dark-field scanning transmission electron microscopy. <i>Journal of Applied Physics</i> , 2010 , 107, 024304	2.5	18
100	Intermetallic ordering and structure in FePd alloy nanoparticles. <i>Journal of Applied Physics</i> , 2009 , 105, 093509	2.5	18
99	Size-dependent structural transition from multiple-twinned particles to epitaxial fcc nanocrystals and nanocrystal decay. <i>Physical Review B</i> , 2007 , 76,	3.3	18
98	High-resolution transmission electron microscopy analysis of L10 ordering process in Fe/Pd thin layers. <i>Journal of Applied Physics</i> , 2007 , 102, 123512	2.5	18
97	Transmission electron microscopy study on FeSi ₂ nanoparticles synthesized by electron-beam evaporation. <i>Journal of Applied Physics</i> , 2006 , 100, 014307	2.5	16

96	Ion tracks and microstructures in barium titanate irradiated with swift heavy ions: A combined experimental and computational study. <i>Acta Materialia</i> , 2013 , 61, 7904-7916	8.4	15
95	Fabrication of highly L10-ordered FePt thin films by low-temperature rapid thermal annealing. <i>APL Materials</i> , 2013 , 1, 032117	5.7	15
94	Long-Range Order Parameter of Oriented L10-FePt Nanoparticles Determined by Electron Diffraction. <i>Materials Transactions</i> , 2003 , 44, 1518-1522	1.3	15
93	Determination of order parameter of L10FePd nanoparticles by electron diffraction. <i>Journal of Applied Physics</i> , 2005 , 97, 084301	2.5	15
92	Behavior of Sn atoms in GeSn thin films during thermal annealing: Ex-situ and in-situ observations. <i>Journal of Applied Physics</i> , 2016 , 120, 245304	2.5	15
91	Letter. Discovery of stishovite in Apollo 15299 sample. <i>American Mineralogist</i> , 2015 , 100, 1308-1311	2.9	13
90	Au-Protected Ag Core/Satellite Nanoassemblies for Excellent Extra-/Intracellular Surface-Enhanced Raman Scattering Activity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44027-44037	9.5	13
89	Fabrication of oriented L10-FeCuPd and composite bcc-Fe ₁₀ -FeCuPd nanoparticles: Alloy composition dependence of magnetic properties. <i>Journal of Applied Physics</i> , 2006 , 99, 08N706	2.5	13
88	Microstructure and Mechanical Properties of α' ; Martensite Type Ti Alloys Deformed under the α' ; Processing. <i>Materials Transactions</i> , 2009 , 50, 2744-2750	1.3	12
87	Magnetically Retrievable Palladium/Maghemite Nanocomposite Catalysts Prepared by Sonochemical Reduction Method. <i>Chemistry Letters</i> , 2008 , 37, 922-923	1.7	12
86	Perpendicular magnetic anisotropy of epitaxially grown L10-FePdCu nanoparticles with preferential c-axis orientation. <i>Journal of Applied Physics</i> , 2006 , 100, 074914	2.5	12
85	Order-Disorder Transformation in L10-FePd Nanoparticles Studied by Electron Diffraction. <i>Materials Transactions</i> , 2006 , 47, 59-62	1.3	12
84	Fabrication of exchange-coupled Fe ₁₀ -FePd nanocomposite isolated particles. <i>Journal of Applied Physics</i> , 2004 , 96, 3906-3911	2.5	12
83	Synthesis and structure of isolated L1/sub 0/ FePt particles. <i>IEEE Transactions on Magnetics</i> , 2000 , 36, 3021-3023	2	12
82	Effect of Focal Depth of HAADF-STEM Imaging on the Solute Enriched Layers in Mg Alloys. <i>Materials Transactions</i> , 2015 , 56, 1633-1638	1.3	11
81	Chemical composition dispersion in bi-metallic nanoparticles: semi-automated analysis using HAADF-STEM. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	11
80	Strong perpendicular magnetic anisotropy of FePd nanocrystalline particles enhanced by Co addition. <i>Journal of Applied Physics</i> , 2007 , 101, 033910	2.5	11
79	Atomistic structures of nano-engineered SiC and radiation-induced amorphization resistance. <i>Journal of Nuclear Materials</i> , 2015 , 465, 433-437	3.3	10

78	Direct imaging of atomic clusters in an amorphous matrix: A Co-C granular thin film. <i>Applied Physics Letters</i> , 2012 , 101, 191902	3.4	10
77	Electro-conductivity and nanostructure of wood carbon prepared by nickel-catalyzed carbonization at 900°C. <i>Tanso</i> , 2009 , 2009, 169-171	0.1	10
76	Direct imaging of structural heterogeneity of the melt-spun Fe _{85.2} Si ₂ B ₈ P ₄ Cu _{0.8} alloy. <i>AIP Advances</i> , 2015 , 5, 067166	1.5	9
75	Thickness dependence of crystal and electronic structures within heteroepitaxially grown BiFeO ₃ thin films. <i>Physical Review B</i> , 2016 , 93,	3.3	9
74	Complex precipitates with long periodic stacking (LPS) phase and precipitation behaviors in the Mg ₉₇ Zn ₁ Y _{1.5} Nd _{0.5} alloy by age-annealing. <i>Intermetallics</i> , 2011 , 19, 1096-1101	3.5	9
73	Thermoelectric properties of Au nanoparticle-supported Sb _{1.6} Bi _{0.4} Te ₃ synthesized by a γ-ray irradiation method. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 162-167	1.3	8
72	Structural Heterogeneity of the Melt-spun (Fe, Co)-Si-B-P-Cu Alloy with Excellent Soft Magnetic Properties. <i>Physics Procedia</i> , 2015 , 75, 1376-1380		8
71	Structure and compositional evolution in epitaxial Co/Pt core-shell nanoparticles on annealing. <i>Thin Solid Films</i> , 2012 , 520, 3544-3552	2.2	8
70	Effect of cooling rate on size-dependent atomic ordering of CoPt nanoparticles. <i>Philosophical Magazine Letters</i> , 2012 , 92, 408-416	1	8
69	Direct Synthesis of Oriented High-Density Islands of L1 ₀ -FePtCu Alloy at 613 K. <i>Japanese Journal of Applied Physics</i> , 2006 , 45, L608-L610	1.4	8
68	The investigation of multiply twinned L1 ₀ -type FePt nanoparticles by transmission electron microscopy. <i>Philosophical Magazine</i> , 2004 , 84, 2075-2081	1.6	8
67	Magnetoanisotropy, long-range order parameter and thermal stability of isolated L1 ₀ FePt nanoparticles with mutual fixed orientation. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1497-1499	2.8	8
66	Effects of surface step and substrate temperature on nanostructure of L1 ₀ -FePt nanoparticles. <i>Journal of Applied Physics</i> , 2003 , 93, 7414-7416	2.5	8
65	Crystallization induced ordering of hard magnetic L1 ₀ phase in melt-spun FeNi-based ribbons. <i>AIP Advances</i> , 2016 , 6, 055218	1.5	8
64	Maximum usable thickness revisited: Imaging dislocations in Si by modern high-voltage scanning transmission electron microscopy. <i>Japanese Journal of Applied Physics</i> , 2017 , 56, 100304	1.4	7
63	Characterisation of nanoscale carbide precipitation in as-cast Co-Cr-W-based dental alloys. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1778-1786	7.3	7
62	Self-elongated growth of nanopores in annealed amorphous Ta ₂ O ₅ films. <i>Scripta Materialia</i> , 2012 , 66, 182-185	5.6	7
61	Strong atomic ordering in Gd-doped GaN. <i>Applied Physics Letters</i> , 2012 , 101, 101912	3.4	7

60	Ultrashort-period lateral composition modulation in TlInGaAsN/TlInP structures. <i>Applied Physics Letters</i> , 2009 , 94, 153103	3.4	7
59	Fluctuation of long-range order in Co-Pt alloy nanoparticles revealed by time-resolved electron microscopy. <i>Applied Physics Letters</i> , 2017 , 110, 153101	3.4	6
58	Formation of highly oriented nanopores via crystallization of amorphous Nb ₂ O ₅ and Ta ₂ O ₅ . <i>Journal of Applied Physics</i> , 2013 , 114, 124308	2.5	6
57	Three-Dimensional Shapes and Distributions of Long-Period Stacking Ordered Structures in Mg ₉₇ Zn ₁ Gd ₂ Cast Alloys Characterized by Electron Tomography. <i>Materials Transactions</i> , 2015 , 56, 928-932	1.3	6
56	Local Strain Fields of LPSO in Mg-Based Ternary Alloys. <i>Materials Transactions</i> , 2015 , 56, 923-927	1.3	6
55	An Experimental Protocol Development of Three-Dimensional Transmission Electron Microscopy Methods for Ferrous Alloys: Towards Quantitative Microstructural Characterization in Three Dimensions. <i>ISIJ International</i> , 2015 , 55, 623-631	1.7	6
54	Synthesis of platinum silicide at platinum/silicon oxide interface by photon irradiation. <i>Acta Materialia</i> , 2018 , 154, 284-294	8.4	6
53	Fabrication of L10-FeNi phase by sputtering with rapid thermal annealing. <i>Journal of Alloys and Compounds</i> , 2018 , 750, 164-170	5.7	5
52	Evolution of long-period stacking order (LPSO) in Mg ₉₇ Zn ₁ Gd ₂ cast alloys viewed by HAADF-STEM multi-scale electron tomography. <i>Philosophical Magazine</i> , 2018 , 98, 1945-1960	1.6	5
51	Electron Microscopy Studies on Magnetic L10-Type FePd Nanoparticles. <i>Advances in Imaging and Electron Physics</i> , 2012 , 165-225	0.2	5
50	Core-Shell Formation and Juxtaposition in Fe and Si Hybrid Clusters Prepared by Controlling the Collision Stages. <i>Materials Transactions</i> , 2010 , 51, 1990-1996	1.3	5
49	Magnetic properties and microstructure of FePt _{1-x} B _x (MZr,Nb,La) films. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 2527-2528	2.8	5
48	Improvement of Structural and Magnetic Properties of L ₁₀ -FePd Nanocrystals by Co Addition. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 3097-3099	2	5
47	Red-Fluorescent Pt Nanoclusters for Detecting and Imaging HER2 in Breast Cancer Cells. <i>ACS Omega</i> , 2020 , 5, 23718-23723	3.9	5
46	Probing Crystal Dislocations in a Micrometer-Thick GaN Film by Modern High-Voltage Electron Microscopy. <i>ACS Omega</i> , 2018 , 3, 13524-13529	3.9	5
45	Structural and electrical characterization of hydrothermally deposited piezoelectric (K,Na)(Nb,Ta)O ₃ thick films. <i>Journal of Materials Science</i> , 2020 , 55, 8829-8842	4.3	4
44	Surface-segregation-induced phase separation in epitaxial Au/Co nanoparticles: Formation and stability of core-shell structures. <i>AIP Advances</i> , 2017 , 7, 065309	1.5	4
43	Stability of amorphous Ta ₂ O ₅ nanotubes prepared by anodization: Thermal and structural analyses. <i>Journal of Materials Research</i> , 2014 , 29, 753-760	2.5	4

42	Low-Temperature Atomic Ordering of Oriented L10-FePtCu Nanoparticles with High Areal-Density Characterized by Transmission Electron Microscopy and Electron Diffraction. <i>Materials Transactions</i> , 2007 , 48, 903-908	1.3	4
41	Production of carbon nanoshell chains by the Co-catalyzed carbonization of wood. <i>Tanso</i> , 2017 , 2017, 55-62	0.1	4
40	Catalytic activities of sonochemically prepared Au-core/Pd-shell-structured bimetallic nanoparticles immobilised on TiO ₂ and its dependence on Pd-shell thickness. <i>Journal of Experimental Nanoscience</i> , 2015 , 10, 235-247	1.9	3
39	Microstructure and Mechanical Properties of B2 Martensite Type Ti-V-Al Alloy after Cold- or Hot Working Process. <i>Key Engineering Materials</i> , 2010 , 436, 171-177	0.4	3
38	Structural evolution, epitaxy, and sublimation of silver nanoclusters on TiO ₂ (110). <i>Journal of Applied Physics</i> , 2010 , 107, 053505	2.5	3
37	Electron microscopy study of L1(0)-FePtCu nanoparticles synthesized at 613K. <i>Journal of Microscopy</i> , 2009 , 236, 94-9	1.9	3
36	Synthesis of Iron Silicides by Electron-Beam Evaporation: Effects of Substrate Prebaking Temperature and Fe Deposition Thickness. <i>Japanese Journal of Applied Physics</i> , 2007 , 46, 732-737	1.4	3
35	Two Dimensionally Dispersed Fe/FePd Nanocomposite Particles Synthesized by Electron Beam Deposition. <i>Materials Science Forum</i> , 2005 , 502, 275-280	0.4	3
34	Three-Dimensional Imaging of a Long-Period Stacking Ordered Phase in Mg ₉₇ Zn ₁ Gd ₂ Using High-Voltage Electron Microscopy. <i>Materials Transactions</i> , 2016 , 57, 918-921	1.3	3
33	Three-Dimensional Imaging of Dislocations in a Ti-35mass%Nb Alloy by Electron Tomography. <i>Materials</i> , 2015 , 8, 1924-1933	3.5	2
32	Development of a novel straining holder for TEM compatible with electron tomography 2016 , 287-288		2
31	Compositional Transition Layer around Growing LPSO in Mg ₉₇ Zn ₁ Y ₂ Cast Alloys. <i>Materials Transactions</i> , 2014 , 55, 1377-1382	1.3	2
30	Low-temperature synthesis of oriented CoPtCu/MgO and CoFePt/AgBiO ₂ nanocomposite thin films by rf-magnetron sputtering. <i>Journal of the Ceramic Society of Japan</i> , 2014 , 122, 317-321	1	2
29	Z-Contrast STEM Imaging of Long-Range Ordered Structures in Epitaxially Grown CoPt Nanoparticles. <i>Journal of Nanomaterials</i> , 2013 , 2013, 1-6	3.2	2
28	TEM Analysis of the Nanostructure of Pb(Mg _{1/3} Nb _{2/3})O ₃ Thin Films by MOD Method. <i>Key Engineering Materials</i> , 2013 , 582, 19-22	0.4	2
27	Effect of structural transition on the temperature-dependent magnetic properties of epitaxial FePd alloy nanoparticles. <i>Journal of Physics: Conference Series</i> , 2011 , 266, 012042	0.3	2
26	The Effect of Ti Addition on Phase Equilibria among Ni (A1), Ni ₃ Al (L12) and Ni ₃ V (D022) Phases. <i>Materials Science Forum</i> , 2010 , 654-656, 432-435	0.4	2
25	High-Voltage Scanning Transmission Electron Microscopy: A Tool for Structural Characterization of Micrometer-Thick Specimens. <i>Materials Transactions</i> , 2019 , 60, 675-677	1.3	2

24	Athermal Crystal Defect Dynamics in Si Revealed by Cryo-High-Voltage Electron Microscopy. <i>ACS Omega</i> , 2020 , 5, 1457-1462	3.9	1
23	Aging Effect on Microstructure of Cold Groove-Rolled α' -Type Ti-12 mass%V-2 mass%Al Alloys Studied by Transmission Electron Microscopy. <i>Materials Transactions</i> , 2014 , 55, 763-767	1.3	1
22	Characterization of L10-Type FePd Alloy Nanoparticles by Atomic-Resolution HAADF-STEM and Electron Tomography. <i>Microscopy and Microanalysis</i> , 2009 , 15, 1262-1263	0.5	1
21	Direct Synthesis of Isolated L10-FePtCu Nanoparticles by RF-Magnetron Sputtering. <i>Solid State Phenomena</i> , 2007 , 127, 129-134	0.4	1
20	Structure and Magnetic Properties of Nanocrystalline Pd-Co and Pd-Co-Fe Layers. <i>Solid State Phenomena</i> , 2007 , 124-126, 907-910	0.4	1
19	Structural characterization of iron silicides nanoparticles grown on Si substrate: Annealing rate dependence. <i>Journal of Materials Science</i> , 2006 , 41, 2611-2614	4.3	1
18	Confirmation of Hard Magnetic L10 FeNi Phase Precipitated in FeNiSiBPCu Alloy by Anomalous X-Ray Diffraction. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	1
17	Order/Disorder Transitions Confined at the Interface of Pd@Co Core/Shell Nanoparticles: Implications for Magnetic Recording. <i>ACS Applied Nano Materials</i> , 2020 , 3, 1592-1599	5.6	0
16	Probing Threading Dislocations in a Micrometer-Thick GaN Film by High-Voltage Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2019 , 25, 842-843	0.5	0
15	PM-04 Characterization of Sb ₂ Te ₃ /GeTe Composite Thin Films Fabricated by RF-Magnetron Sputtering. <i>Microscopy (Oxford, England)</i> , 2019 , 68, i36-i36	1.3	0
14	Phase change in CoTi ₂ induced by MeV electron irradiation. <i>Philosophical Magazine</i> , 2018 , 98, 1961-1974	1.6	
13	Atomic Structure and Phase Transformation of Ferromagnetic L10-type Ordered Alloy Nanoparticles. <i>Materia Japan</i> , 2014 , 53, 471-478	0.1	
12	An Experimental Protocol Development of Three-Dimensional Transmission Electron Microscopy Methods for Ferrous Alloys: Towards Quantitative Microstructural Characterization in Three Dimensions. <i>Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan</i> , 2014 , 100, 889-896	0.5	
11	Structure Analysis of Composition Modulation in Epitaxially-Grown III-V Semiconductor Alloys. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 110120	1.4	
10	Spontaneous Formation of Nano-scale Phase Separation in TlInGaAsN/TlInP Quantum Well Structures. <i>Materia Japan</i> , 2009 , 48, 591-591	0.1	
9	Atomic Structure Imaging of L10-type FePd Nanoparticles by Spherical Aberration Corrected High-Resolution Transmission Electron Microscopy. <i>Materia Japan</i> , 2009 , 48, 590-590	0.1	
8	Low-Temperature Synthesis of Ordered L10-FePtCu Nanoparticles with High Coercivity. <i>Solid State Phenomena</i> , 2007 , 124-126, 855-858	0.4	
7	Domain switching dynamics in relaxor ferroelectric Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ revealed by time-resolved high-voltage electron microscopy. <i>Journal of Applied Physics</i> , 2021 , 130, 164101	2.5	

- 6 L10-type Ordered Phase Formation in Fe-Ni-based Nanocrystalline Alloys. *Materia Japan*, **2016**, 55, 596-596
- 5 3D structures of alloys and nanoparticles observed by electron tomography. *Conference Proceedings of the Society for Experimental Mechanics*, **2011**, 1-9 0.3
- 4 In situ UHVEM observation of atomic ordering in magnetic nanoparticles using a direct detection camera **2016**, 107-108
- 3 Nanocrystal growth and morphology of PbTeSe-ZnSe composite thin films prepared by one-step synthesis method. *Journal of Applied Physics*, **2016**, 120, 155301 2.5
- 2 A Novel Interfacial Solid Phase Reaction and Its Control by Core Excitation. *Materia Japan*, **2018**, 57, 545-551
- 1 Athermal Solid Phase Reaction in Pt/SiO Thin Films Induced by Electron Irradiation. *ACS Omega*, **2021**, 6, 21837-21841 3.9