

Akira Sugawara

List of Publications by Year in descending order

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623734

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49
all docs

49
docs citations

49
times ranked

784
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic imaging using ultra-high-voltage cold-field-emission microscopes. Journal of Magnetism and Magnetic Materials, 2022, 542, 168593.	2.3	4
2	Transmission, Scanning Transmission, and Scanning Electron Microscopy. , 2021, , 247-271.		0
3	In-situ lorentz and electron-holography imaging of domain-wall propagation and grain-boundary pinning within anisotropic Nd-Fe-B sintered-magnet thin films. Journal of Magnetism and Magnetic Materials, 2021, 532, 167903.	2.3	3
4	Magnetic vortex structure for hollow Fe ₃ O ₄ spherical submicron particles. Applied Physics Letters, 2021, 119, .	3.3	7
5	A 0.5-T pure-in-plane-field magnetizing holder for in-situ Lorentz microscopy. Ultramicroscopy, 2019, 197, 105-111.	1.9	9
6	Magnetic domain structure within half-metallic ferromagnetic kagome compound $C_3O_3S_n$	2.4	11
7	Magnetic field observations in CoFeB/Ta layers with 0.67-nm resolution by electron holography. Scientific Reports, 2017, 7, 16598.	3.3	29
8	Sub-Nanometer-Resolution Magnetic Field Observation Using Aberration-Corrected 1.2-MV Holography Electron Microscope with Pulse Magnetization System. Microscopy and Microanalysis, 2017, 23, 452-453.	0.4	0
9	Development of Pulse Magnetization System on Aberration Corrected 1.2-MV Cold Field-Emission Transmission Electron Microscope. Microscopy and Microanalysis, 2016, 22, 1702-1703.	0.4	3
10	New trend in electron holography. Journal Physics D: Applied Physics, 2016, 49, 244001.	2.8	16
11	Measuring magnetisation reversal in micron-sized Nd ₂ Fe ₁₄ B single crystals by microbeam x-ray magnetic circular dichroism. Journal Physics D: Applied Physics, 2016, 49, 425001.	2.8	5
12	Three-Dimensional Observation of Magnetic Vortex Cores in Stacked Ferromagnetic Discs. Nano Letters, 2015, 15, 1309-1314.	9.1	79
13	Vector Field Tomography by Electron Holography. Microscopy and Microanalysis, 2014, 20, 268-269.	0.4	6
14	Twin-electron biprism. Journal of Electron Microscopy, 2011, 60, 353-358.	0.9	5
15	Magnetic microstructures of neodymium in Nd ₂ Fe ₁₄ B permanent magnet by hard x-ray magnetic-circular dichroism using focused x-ray beam. Applied Physics Letters, 2010, 97, 022510.	3.3	6
16	Anisotropic cross-tie walls and their confinement in self-organized undulating Fe film. Journal of Applied Physics, 2008, 103, 053909.	2.5	1
17	Domain Walls in the $GaxMn1-xAs$ by Lorentz microscopy. Physical Review Letters, 2008, 100, 047202.	7.0	284314
18	High-resolution observations of temperature-dependent magnetic domain structures within $GaxMn1-xAs$ by Lorentz microscopy. Physical Review B, 2007, 75, .	3.2	11

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19	Electron holography study of the temperature variation of the magnetic order parameter within circularly chained nickel nanoparticle rings. Applied Physics Letters, 2007, 91, 262513.	3.3	12
20	Optical second harmonic generation from Pt nanowires. Applied Surface Science, 2007, 253, 8933-8938.	6.1	10
21	Shadow deposition of copper nanowires on the faceted NaCl(110) template. Surface Science, 2007, 601, 4449-4453.	1.9	8
22	Surface morphology of epitaxial LiF(110) and CaF[sub 2](110) layers. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 443.	1.6	20
23	Confirmation of information transfer using lattice images. Applied Physics Letters, 2005, 87, 174101.	3.3	7
24	Faceting of homoepitaxial MgO(110) layers prepared by electron beam evaporation. Surface Science, 2004, 558, 211-217.	1.9	16
25	Optical second-harmonic spectroscopy of Au nanowires. Journal of Applied Physics, 2004, 95, 5002-5005.	2.5	28
26	Depolarization field in Au nanowires investigated by optical second harmonic spectroscopy. , 2004, , .		0
27	Anisotropic optical second-harmonic generation from the Au nanowire array on the NaCl(1 1 0) template. Applied Surface Science, 2003, 219, 271-275.	6.1	25
28	Planar Array of 1D Gold Nanoparticles on Ridge-and-Valley Structured Carbon. Journal of the American Chemical Society, 2002, 124, 4210-4211.	13.7	70
29	Nanoscale faceting of a NaCl(110) homoepitaxial layer. Journal of Crystal Growth, 2002, 237-239, 201-205.	1.5	13
30	Optical second harmonic generation from self-organized Au nanowire arrays on the NaCl(110) template. , 2002, , .		1
31	Quasi-one-dimensional cobalt particle arrays embedded in 5 nm-wide gold nanowires. IEEE Transactions on Magnetics, 2001, 37, 2123-2125.	2.1	9
32	Annular Dark Field Imaging of Iron Nanoparticles Embedded in Gold Nanowires. Materia Japan, 2001, 40, 1024-1024.	0.1	0
33	Phase transition between charge-induced long-period and (2 $\sqrt{3}$ —4) reconstructions of GaAs(001) surface. Surface Science, 1999, 438, 142-147.	1.9	0
34	Continuous variation in modulation period of charge-induced reconstruction of GaAs(001) surface. Surface Science, 1998, 416, L1079-L1084.	1.9	2
35	Magnetic coupling in self-organized narrow-spaced Fe nanowire arrays. IEEE Transactions on Magnetics, 1998, 34, 1081-1083.	2.1	23
36	Self-Organization of Nano-Scale Ferromagnetic Arrays.. Materia Japan, 1998, 37, 495-497.	0.1	0

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37	Room-temperature dipole ferromagnetism in linear-self-assembling mesoscopic Fe particle arrays. <i>Physical Review B</i> , 1997, 56, R8499-R8502.	3.2	62
38	Self-organized mesoscopic magnetic structures. <i>Journal of Applied Physics</i> , 1997, 82, 5662-5669.	2.5	64
39	Self-organized Fe nanowire arrays prepared by shadow deposition on NaCl(110) templates. <i>Applied Physics Letters</i> , 1997, 70, 1043-1045.	3.3	90
40	Competing processes and controlling energies at the interface. <i>Surface Science</i> , 1997, 371, 420-430.	1.9	15
41	Long period reconstruction of GaAs(001) surface. <i>Surface Science</i> , 1997, 394, L174-L178.	1.9	3
42	Self-alignment of metallic nanowires in CaF ₂ -based composite films grown on stepped NaCl substrates. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 156, 151-152.	2.3	5
43	Growth dynamics of fractal Ge clusters during crystallization of amorphous phase on polycrystalline Au layer. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1994, 179-180, 355-360.	5.6	19
44	Growth dynamics of polycrystalline Ge clusters formed on surfaces during annealing of co-sputtered Ge–Ag films. <i>Thin Solid Films</i> , 1994, 251, 10-13.	1.8	6
45	Interface structures of Pt/Au(001) epitaxial bilayer films prepared by means of ion beam sputtering. <i>Journal of Crystal Growth</i> , 1991, 115, 596-601.	1.5	3
46	Hysteresis Loops and Microstructures of Fe/Ag Multilayer Films. <i>Japanese Journal of Applied Physics</i> , 1991, 30, 3810-3814.	1.5	3
47	Structure and Magnetic Properties of Fe/Ag Multilayer Films Prepared by DC Sputtering. , 1991, , .		0
48	Size distribution and morphology of islands in discontinuous silver films prepared by sputtering method. <i>Journal of Crystal Growth</i> , 1990, 99, 583-587.	1.5	7
49	Self-Organized Mesoscopic Magnetic Structures. , 0, , .		0