

Atsuhiko Kotani

List of Publications by Year in descending order

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papers

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933447

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docs citations

22
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citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in small-angle electron diffraction and Lorentz microscopy. Microscopy (Oxford, Tj ETQq1 1 0.784314 rgBT ₃ /Overlook	1.5	13
2	High-temperature short-range order in Mn ₃ RhSi. Communications Materials, 2020, 1, .	6.9	13
3	Magnetic bubbles in an M-type hexagonal ferrite observed by hollow-cone Foucault imaging and small-angle electron diffraction. Japanese Journal of Applied Physics, 2020, 59, 095003.	1.5	1
4	Hollow-Cone Foucault Imaging Method for Magnetic Structure Observations. Microscopy and Microanalysis, 2019, 25, 120-121.	0.4	1
5	Magnetic textures in a hexaferrite thin film and their response to magnetic fields revealed by phase microscopy. Japanese Journal of Applied Physics, 2019, 58, 065004.	1.5	9
6	Observation of magnetic domains in uniaxial magnets via small-angle electron diffraction and Foucault imaging. Japanese Journal of Applied Physics, 2019, 58, 055006.	1.5	4
7	Hollow-cone Foucault imaging method. Applied Physics Express, 2019, 12, 042003.	2.4	9
8	Electron diffraction covering a wide angular range from Bragg diffraction to small-angle diffraction. Microscopy (Oxford, England), 2018, 67, 207-213.	1.5	12
9	Observation of FeGe skyrmions by electron phase microscopy with hole-free phase plate. AIP Advances, 2018, 8, .	1.3	15
10	Observation of magnetic domain and bubble structures in magnetoelectric $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle S \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle r \langle \text{mml:mi} \rangle \langle \text{mml:mn} 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle C \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle o \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle$	3.2	20
11	Formation process of skyrmion lattice domain boundaries: The role of grain boundaries. Applied Physics Letters, 2017, 111, .	3.3	17
12	Field-temperature phase diagram of magnetic bubbles spanning charge/orbital ordered and metallic phases in $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle L \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle a \langle \text{mml:mrow} \rangle \langle \text{mml:mn} 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle S \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle r \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle x \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle M n \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle$	3.2	17
13	PM-17Magnetic Microstructures Observation of Functional Materials by Small Angle Electron Diffraction and Lorentz Microscopy. Microscopy (Oxford, England), 2017, 66, i26-i26.	1.5	0
14	Formation of Magnetic Textures in the Ferromagnetic Phase of Lao.825Sro.i75MnO3. Microscopy and Microanalysis, 2016, 22, 1682-1683.	0.4	1
15	Extended Foucault Method for External Magnetic Fields with Conventional TEM. Microscopy and Microanalysis, 2016, 22, 1706-1707.	0.4	0
16	Foucault optical system by using a nondedicated conventional TEM. Surface and Interface Analysis, 2016, 48, 1166-1168.	1.8	7
17	Lorentz microscopy and small-angle electron diffraction study of magnetic textures in $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle L \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle a \langle \text{mml:mrow} \rangle \langle \text{mml:mn} 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle S \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle r \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle x \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle M n \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle$	3.2	35
18	Formation mechanisms of magnetic bubbles in an $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle M \langle \text{mml:msub} \rangle \langle \text{mml:mi} \text{mathvariant}=\text{"normal"} \rangle$ -type hexaferrite: Role of chirality reversal at domain walls. Physical Review B, 2016, 94, .	3.2	25

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19	Foucault imaging and small-angle electron diffraction in controlled external magnetic fields. <i>Microscopy</i> (Oxford, England), 2016, 65, 473-478.	1.5	18
20	Observation of spin textures in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($x = 0.175$). <i>AIP Advances</i> , 2016, 6, .	1.3	20
21	B12-O-09 Lorentz TEM observation of magnetic bubbles in manganites. <i>Microscopy</i> (Oxford, England), 2015, 64, i23.1-i23.	1.5	0
22	B11-O-15 Simultaneous realization of Foucault imaging and small angle electron diffraction by conventional TEM. <i>Microscopy</i> (Oxford, England), 2015, 64, i17.2-i17.	1.5	0