Atsuhiro Kotani

List of Publications by Year
in descending order

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22	227	933447	996975
papers	citations	10 h-index	15 g-index

22	22	22	257
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lorentz microscopy and small-angle electron diffraction study of magnetic textures in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi>n</mml:mi><mml:mi mathvariant="normal">O</mml:mi></mml:msub></mml:mrow></mml:math>	3.2	35
2	Formation mechanisms of magnetic bubbles in an <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>M</mml:mi></mml:math> -type hexaferrite: Role of chirality reversal at domain walls. Physical Review B, 2016, 94, .	3.2	25
3	Observation of spin textures in La1â^'xSrxMnO3 (x = 0.175). AIP Advances, 2016, 6, .	1.3	20
4	Observation of magnetic domain and bubble structures in magnetoelectric <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">O</mml:mi></mml:mrow></mml:math>	3.2	20
5	Foucault imaging and small-angle electron diffraction in controlled external magnetic fields. Microscopy (Oxford, England), 2016, 65, 473-478.	1.5	18
6	Formation process of skyrmion lattice domain boundaries: The role of grain boundaries. Applied Physics Letters, 2017, 111, .	3.3	17
7	Field-temperature phase diagram of magnetic bubbles spanning charge/orbital ordered and metallic phases in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">a</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi>n</mml:mi><mml:mi mathvariant="normal">O</mml:mi></mml:msub></mml:mrow></mml:math>	3.2	17
8	Observation of FeGe skyrmions by electron phase microscopy with hole-free phase plate. AIP Advances, 2018, 8, .	1.3	15
9	High-temperature short-range order in Mn3RhSi. Communications Materials, 2020, 1, .	6.9	13
10	Electron diffraction covering a wide angular range from Bragg diffraction to small-angle diffraction. Microscopy (Oxford, England), 2018, 67, 207-213.	1.5	12
11	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
12	Hollow-cone Foucault imaging method. Applied Physics Express, 2019, 12, 042003.	2.4	9
13	Foucault optical system by using a nondedicated conventional TEM. Surface and Interface Analysis, 2016, 48, 1166-1168.	1.8	7
14	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
15	Recent advances in small-angle electron diffraction and Lorentz microscopy. Microscopy (Oxford,) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	3
16	Formation of Magnetic Textures in the Ferromagnetic Phase of Lao.825Sro.i75MnO3. Microscopy and Microanalysis, 2016, 22, 1682-1683.	0.4	1
17	Hollow-Cone Foucault Imaging Method for Magnetic Structure Observations. Microscopy and Microanalysis, 2019, 25, 120-121.	0.4	1
18	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

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19	B12-O-09Lorentz TEM observation of magnetic bubbles in manganites. Microscopy (Oxford, England), 2015, 64, i23.1-i23.	1.5	0
20	B11-O-15Simultaneous realization of Foucault imaging and small angle electron diffraction by conventional TEM. Microscopy (Oxford, England), 2015, 64, i17.2-i17.	1.5	0
21	Extended Foucault Method for External Magnetic Fields with Conventional TEM. Microscopy and Microanalysis, 2016, 22, 1706-1707.	0.4	0
22	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