

Daisuke Morikawa

List of Publications by Year in descending order

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times ranked

3075
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexisting Z-type charge and bond order in metallic NaRu ₂ O ₄ . Communications Materials, 2022, 3, .	6.9	0
2	Zigzag magnetic order in the Kitaev spin-liquid candidate material RuBr_3 with a honeycomb lattice. Physical Review B, 2022, 105, .	3.2	1
3	Optimization of the site ordered perovskite-type manganite $\text{NdBaMn}_2\text{O}_6$. Physical Review B, 2022, 105, .	3.2	1
4	Evaluation of accuracy in the determination of crystal structure factors using large-angle convergent-beam electron diffraction patterns. Microscopy (Oxford, England), 2021, 70, 178-185.	1.5	4
5	Evaluation of TEM specimen quality prepared by focused ion beam using symmetry breaking index of convergent-beam electron diffraction. Microscopy (Oxford, England), 2021, 70, 394-397.	1.5	2
6	Local crystal symmetry and structure at CaTiO ₃ twin boundaries. Applied Physics Letters, 2021, 118, .	3.3	6
7	Frustration-driven magnetic fluctuations as the origin of the low-temperature skyrmion phase in Co ₇ Zn ₇ Mn ₆ . Npj Quantum Materials, 2021, 6, .	5.2	16
8	Recent Development of Structure Analysis Using Convergent-Beam Electron Diffraction. Nihon Kessho Gakkaishi, 2021, 63, 135-142.	0.0	0
9	Improvement of precision in refinements of structure factors using convergent-beam electron diffraction patterns taken at Bragg-excited conditions. Acta Crystallographica Section A: Foundations and Advances, 2021, 77, 289-295.	0.1	0
10	Electric-field response of polar nanodomains in BaTiO ₃ . Applied Physics Letters, 2021, 119, .	3.3	5
11	Metamagnetic transitions and magnetoelectric responses in the chiral polar helimagnet Ni_2O_6 . Physical Review B, 2020, 102, .	3.2	6
12	Visualization of ferroaxial domains in an order-disorder type ferroaxial crystal. Nature Communications, 2020, 11, 4582.	12.8	38
13	Structural and Li-ion diffusion properties of lithium tantalum phosphate LiTa ₂ PO ₈ . Solid State Ionics, 2020, 351, 115314.	2.7	13
14	Motion tracking of 80-nm-size skyrmions upon directional current injections. Science Advances, 2020, 6, eaaz9744.	10.3	37
15	Structural-transition-driven antiferromagnetic to spin-glass transition in Cd ²⁺ Mg ²⁺ Tb ³⁺ 1/1 approximants. Journal of Physics Condensed Matter, 2020, 32, 485801.	1.8	6
16	Determination of crystallographic chirality of MnSi thin film grown on Si (111) substrate. Physical Review Materials, 2020, 4, .	2.4	9
17	Element-specific soft x-ray spectroscopy, scattering, and imaging studies of the skyrmion-hosting compound $\text{Co}_8\text{Mn}_{29}$. Physical Review B, 2019, 99, .	3.2	29
18	Electron diffraction study of crystal structures of Co_7Mn . Physical Review Materials, 2019, 3, .	2.4	1

#	ARTICLE	IF	CITATIONS
19	Disordered skyrmion phase stabilized by magnetic frustration in a chiral magnet. <i>Science Advances</i> , 2018, 4, eaar7043.	10.3	83
20	Aggregation and collapse dynamics of skyrmions in a non-equilibrium state. <i>Nature Physics</i> , 2018, 14, 832-836.	16.7	54
21	Emergence of Topological Hall Effect in Half-Metallic Manganite Thin Films by Tuning Perpendicular Magnetic Anisotropy. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 074704.	1.6	34
22	Coherent Resonant Soft X-ray Scattering Study of Magnetic Textures in FeGe. <i>Quantum Beam Science</i> , 2018, 2, 3.	1.2	19
23	Current-induced dynamics of skyrmion strings. <i>Science Advances</i> , 2018, 4, eaat1115.	10.3	49
24	Deformation of Topologically-Protected Supercooled Skyrmions in a Thin Plate of Chiral Magnet $\text{Co}_8\text{Zn}_8\text{Mn}_4$. <i>Nano Letters</i> , 2017, 17, 1637-1641.	9.1	42
25	Current-induced Nucleation and Annihilation of Magnetic Skyrmions at Room Temperature in a Chiral Magnet. <i>Advanced Materials</i> , 2017, 29, 1606178.	21.0	53
26	Emergence and magnetic-field variation of chiral-soliton lattice and skyrmion lattice in the strained helimagnet Cu_2OSeO_3 . <i>Physical Review B</i> , 2017, 96, .	3.2	24
27	Directional electric-field induced transformation from skyrmion lattice to distinct helices in multiferroic Cu_2MnSi . <i>Physical Review B</i> , 2017, 95, .	3.2	14
28	Spin-wave spectroscopy of the Dzyaloshinskii-Moriya interaction in room-temperature chiral magnets hosting skyrmions. <i>Physical Review B</i> , 2017, 95, .	3.2	48
29	Topological spin-hedgehog crystals of a chiral magnet as engineered with magnetic anisotropy. <i>Physical Review B</i> , 2017, 96, .	3.2	25
30	Electrical magnetochiral effect induced by chiral spin fluctuations. <i>Nature Communications</i> , 2017, 8, 866.	12.8	76
31	Skyrmion formation in a bulk chiral magnet at zero magnetic field and above room temperature. <i>Physical Review Materials</i> , 2017, 1, .	2.4	63
32	Dynamical process of skyrmion-helical magnetic transformation of the chiral-lattice magnet FeGe probed by small-angle resonant soft x-ray scattering. <i>Physical Review B</i> , 2015, 92, .	3.2	33
33	Lorentz transmission electron microscopy on nanometric magnetic bubbles and skyrmions in bilayered manganites $\text{La}_{1.2}\text{Sr}_{1.8}(\text{Mn}_{1-y}\text{Ru}_y)_2\text{O}_7$ with controlled magnetic anisotropy. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	30
34	Ferroelectric-like metallic state in electron doped BaTiO_3 . <i>Scientific Reports</i> , 2015, 5, 13207.	3.3	41
35	A new class of chiral materials hosting magnetic skyrmions beyond room temperature. <i>Nature Communications</i> , 2015, 6, 7638.	12.8	411
36	Variation of skyrmion forms and their stability in MnSi thin plates. <i>Physical Review B</i> , 2015, 91, .	3.2	69

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37	Evolution of magnetic and structural transitions and enhancement of magnetocaloric effect in V_2O_4 . Physical Review B, 2014, 89, .	3.2	28
38	Valley-dependent spin polarization in bulk MoS2 with broken inversion symmetry. Nature Nanotechnology, 2014, 9, 611-617.	31.5	374
39	Crystal chirality and skyrmion helicity in MnSi and (Fe, Co)Si as determined by transmission electron microscopy. Physical Review B, 2013, 88, .	3.2	38
40	Towards control of the size and helicity of skyrmions in helimagnetic alloys by spin-orbit coupling. Nature Nanotechnology, 2013, 8, 723-728.	31.5	264
41	Analysis of the Dislocation and Polarity in an AlN Layer Grown Using Ga-Al Flux. Applied Physics Express, 2012, 5, 101001.	2.4	15
42	Charge and Orbital Order Patterns in an A-Site Ordered Perovskite-Type Manganite $SmBaMn_2O_6$ Determined by Convergent-Beam Electron Diffraction. Journal of the Physical Society of Japan, 2012, 81, 093602.	1.6	18
43	Direct observation of orbital ordering in the spinel oxide $FeCr_2O_4$ using convergent-beam electron diffraction. Physical Review B, 2010, 81, .	3.2	40