

# Hiroshi Oike

## List of Publications by Year in descending order

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docs citations

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1023  
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#	ARTICLE	IF	CITATIONS
1	Robust metastable skyrmions and their triangularâ€‘square lattice structural transition in a high-temperature chiral magnet. Nature Materials, 2016, 15, 1237-1242.	27.5	196
2	Interplay between topological and thermodynamic stability in a metastable magnetic skyrmion lattice. Nature Physics, 2016, 12, 62-66.	16.7	164
3	Skyrmion lattice structural transition in MnSi. Science Advances, 2017, 3, e1602562.	10.3	89
4	Currentâ€‘Induced Nucleation and Annihilation of Magnetic Skyrmions at Room Temperature in a Chiral Magnet. Advanced Materials, 2017, 29, 1606178.	21.0	53
5	Current-induced viscoelastic topological unwinding of metastable skyrmion strings. Nature Communications, 2017, 8, 1332.	12.8	47
6	Pressure-Induced Mott Transition in an Organic Superconductor with a Finite Doping Level. Physical Review Letters, 2015, 114, 067002.	7.8	46
7	Quenching of Charge and Spin Degrees of Freedom in Condensed Matter. Advanced Materials, 2017, 29, 1601979.	21.0	38
8	Phase-change memory function of correlated electrons in organic conductors. Physical Review B, 2015, 91, .	3.2	25
9	Kinetic approach to superconductivity hidden behind a competing order. Science Advances, 2018, 4, eaau3489.	10.3	21
10	Anomalous metallic behaviour in the doped spin liquid candidate $\hat{\nu}$ -(ET)4Hg2.89Br8. Nature Communications, 2017, 8, 756.	12.8	17
11	Slow steady flow of a skyrmion lattice in a confined geometry probed by narrow-band resistance noise. Physical Review B, 2019, 100, .	3.2	16
12	Phase-transition kinetics of magnetic skyrmions investigated by stroboscopic small-angle neutron scattering. Physical Review B, 2018, 98, .	3.2	10
13	Mott-Driven sFC-BCS Crossover in a Doped Spin Liquid Candidate $\hat{\nu}$ -(ET)4Hg2.89Br8. Physical Review B, 2018, 98, .	8.9	9
14	Size effects on supercooling phenomena in strongly correlated electron systems: $\hat{\nu}$ -(ET)4Hg2.89Br8 and $\hat{\nu}$ -(ET)4Hg2.89Br8. Physical Review B, 2018, 97, .	3.2	8
15	Uniaxial-stress Effects on Helimagnetic Orders and Skyrmion Lattice in $\text{Cu}_2\text{OSeO}_3$ . Journal of the Physical Society of Japan, 2018, 87, 094709.	1.6	7
16	Kinetic pathway facilitated by a phase competition to achieve a metastable electronic phase. Physical Review B, 2021, 103, .	3.2	6
17	Real-Space Observation of Emergent Complexity of Phase Evolution in Micrometer-Sized IrTe2 Crystals. Physical Review Letters, 2021, 127, 145701.	7.8	5
18	Contactless conductivity measurements on the organic conductor, $\hat{\nu}$ -(ET)4Hg2.89Br8, under pressure. Physica B: Condensed Matter, 2009, 404, 376-378.	2.7	4