

# Hiroshi Oike

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	<p>Spin-Driven BCS-BCS Crossover in a Doped Spin Liquid Candidate <math>\text{IrTe}_2</math>. <a href="https://doi.org/10.1103/PhysRevX.12.011044">https://doi.org/10.1103/PhysRevX.12.011044</a></p> <p>Physical Review X, 2022, 12, .</p>	8.9	9
2	<p>Kinetic pathway facilitated by a phase competition to achieve a metastable electronic phase. Physical Review B, 2021, 103, .</p>	3.2	6
3	<p>Real-Space Observation of Emergent Complexity of Phase Evolution in Micrometer-Sized <math>\text{IrTe}_2</math> Crystals. Physical Review Letters, 2021, 127, 145701.</p>	7.8	5
4	<p>Slow steady flow of a skyrmion lattice in a confined geometry probed by narrow-band resistance noise. Physical Review B, 2019, 100, .</p>	3.2	16
5	<p>Size effects on supercooling phenomena in strongly correlated electron systems: <math>\text{IrTe}_2</math> and <math>\text{IrTe}_3</math>. <a href="https://doi.org/10.1103/PhysRevB.100.080401">https://doi.org/10.1103/PhysRevB.100.080401</a></p> <p>Physical Review B, 2018, 97, .</p>	3.2	8
6	<p>Kinetic approach to superconductivity hidden behind a competing order. Science Advances, 2018, 4, eaau3489.</p>	10.3	21
7	<p>Phase-transition kinetics of magnetic skyrmions investigated by stroboscopic small-angle neutron scattering. Physical Review B, 2018, 98, .</p>	3.2	10
8	<p>Uniaxial-stress Effects on Helimagnetic Orders and Skyrmion Lattice in <math>\text{Cu}_2\text{OSeO}_3</math>. Journal of the Physical Society of Japan, 2018, 87, 094709.</p>	1.6	7
9	<p>Quenching of Charge and Spin Degrees of Freedom in Condensed Matter. Advanced Materials, 2017, 29, 1601979.</p>	21.0	38
10	<p>Current-Induced Nucleation and Annihilation of Magnetic Skyrmions at Room Temperature in a Chiral Magnet. Advanced Materials, 2017, 29, 1606178.</p>	21.0	53
11	<p>Current-induced viscoelastic topological unwinding of metastable skyrmion strings. Nature Communications, 2017, 8, 1332.</p>	12.8	47
12	<p>Skyrmion lattice structural transition in <math>\text{MnSi}</math>. Science Advances, 2017, 3, e1602562.</p>	10.3	89
13	<p>Anomalous metallic behaviour in the doped spin liquid candidate <math>\text{Ir}-(\text{ET})_4\text{Hg}_2.89\text{Br}_8</math>. Nature Communications, 2017, 8, 756.</p>	12.8	17
14	<p>Robust metastable skyrmions and their triangular-square lattice structural transition in a high-temperature chiral magnet. Nature Materials, 2016, 15, 1237-1242.</p>	27.5	196
15	<p>Interplay between topological and thermodynamic stability in a metastable magnetic skyrmion lattice. Nature Physics, 2016, 12, 62-66.</p>	16.7	164
16	<p>Pressure-Induced Mott Transition in an Organic Superconductor with a Finite Doping Level. Physical Review Letters, 2015, 114, 067002.</p>	7.8	46
17	<p>Phase-change memory function of correlated electrons in organic conductors. Physical Review B, 2015, 91, .</p>	3.2	25
18	<p>Contactless conductivity measurements on the organic conductor, <math>\text{Ir}-(\text{ET})_4\text{Hg}_2.89\text{Br}_8</math>, under pressure. Physica B: Condensed Matter, 2009, 404, 376-378.</p>	2.7	4