

# Masahiko Hayashi

## List of Publications by Year in descending order

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19  
papers

91  
citations

1478505

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1474206

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g-index

19  
all docs

19  
docs citations

19  
times ranked

68  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological Dislocations and Mixed State of Charge Density Waves. Physical Review Letters, 1996, 77, 3403-3406.	7.8	15
2	Direct observation of vortices by scanning SQUID microscope on small superconducting Mo <sub>80</sub> Ge <sub>20</sub> circular disks. Physica C: Superconductivity and Its Applications, 2013, 484, 86-90.	1.2	14
3	Vortex imaging in amorphous Mo <sub>80</sub> Ge <sub>20</sub> pentagons. Physica C: Superconductivity and Its Applications, 2013, 494, 99-101.	1.2	10
4	Domain-wall structure of a classical Heisenberg ferromagnet on a Möbius strip. Physical Review B, 2008, 78, .	3.2	9
5	Complete tailor-made inverse filter for image processing of scanning SQUID microscope. Applied Physics Letters, 2012, 100, 182601.	3.3	7
6	Vector Pickup System Customized for Scanning SQUID Microscopy. IEEE Transactions on Applied Superconductivity, 2015, 25, 1-4.	1.7	6
7	Mixed state of charge-density waves in ring-shaped single crystals. Physical Review B, 2007, 76, .	3.2	5
8	Theoretical study of superconducting proximity effect in single and multi-layered graphene. Physica C: Superconductivity and Its Applications, 2010, 470, S846-S847.	1.2	5
9	Magnetic Phase Diagram of a Superconducting Bilayer Disk: Effects of Geometrical Modification. Journal of the Physical Society of Japan, 2020, 89, 104701.	1.6	4
10	Effects of Interlayer Coupling on the Magnetic Flux of Vortices in Bi-layer Superconductors. Journal of the Physical Society of Japan, 2019, 88, 035002.	1.6	3
11	Transport Properties of Zigzag Ribbons Composed of Two-Dimensional Quantum Spin Hall Insulators with a Single Magnetic Impurity. Journal of the Physical Society of Japan, 2020, 89, 043702.	1.6	3
12	Theory of Antiferromagnetic Order in High-Tc Oxides: An Approach Based on Ginzburg-Landau Expansion. Journal of the Physical Society of Japan, 2013, 82, 124705.	1.6	2
13	Vortex Doping Into Superconducting $\text{Mo}_{80}\text{Ge}_{20}$ Square Network. IEEE Transactions on Magnetics, 2014, 50, 1-4.	2.1	2
14	Confined vortices in <i>de facto</i> mesoscopic Mo <sub>80</sub> Ge <sub>20</sub> disks with sector defects. Superconductor Science and Technology, 2018, 31, 125009.	3.5	2
15	SQUID microscopy for mapping vector magnetic fields. Superconductor Science and Technology, 2019, 32, 115006.	3.5	2
16	Time-Dependent Ginzburg-Landau Equation and Boltzmann Transport Equation for Charge-Density-Wave Conductors. Journal of the Physical Society of Japan, 2016, 85, 084709.	1.6	1
17	Theory of the Strain Engineering of Graphene Nanoconstrictions. Journal of the Physical Society of Japan, 2021, 90, 023701.	1.6	1
18	A Model of Competing Orders and Its Application to a Novel Junction. Journal of Superconductivity and Novel Magnetism, 2019, 32, 3407-3413.	1.8	0

#	ARTICLE	IF	CITATIONS
19	Effects of Fluctuations on the Phase Diagram of the $t\hat{t}^{\epsilon}$ J Model. Journal of the Physical Society of Japan, 2019, 88, 094703.	1.6	0