

Masamichi Nakajima

List of Publications by Year in descending order

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78
papers

2,031
citations

279487

23
h-index

243296

44
g-index

79
all docs

79
docs citations

79
times ranked

1775
citing authors

#	ARTICLE	IF	CITATIONS
1	Structural Quantum Criticality and Superconductivity in Iron-Based Superconductor $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Journal of the Physical Society of Japan, 2012, 81, 024604.	0.7	177
2	Unprecedented anisotropic metallic state in undoped iron arsenide BaFe_2As revealed by optical spectroscopy. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 12238-12242.	3.3	173
3	Evolution of the optical spectrum with doping in $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$. Physical Review B, 2010, 81, .	1.1	125
4	Single Crystal Growth and Characterization of the Iron-Based Superconductor KFe_2As_2 Synthesized by KAs Flux Method. Journal of the Physical Society of Japan, 2010, 79, 124713.	0.7	117
5	Anisotropy of the In-Plane Resistivity of Underdoped $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$. Physical Review B, 2010, 81, .	2.9	85
6	Complete Fermi Surface in BaFe_2As_2 via Shubnikov-de Haas Oscillation Measurements on Detwinned Single Crystals. Physical Review Letters, 2011, 107, 176402.	2.9	83
7	Distinctive orbital anisotropy observed in the nematic state of a FeSe thin film. Physical Review B, 2016, 94, .	1.1	80
8	Pseudogap formation above the superconducting dome in iron pnictides. Physical Review B, 2014, 89, .	1.1	77
9	Dependence of Carrier Doping on the Impurity Potential in Transition-Metal-Substituted FeAs-Based Superconductors. Physical Review Letters, 2013, 110, 107007.	2.9	73
10	Manifestations of multiple-carrier charge transport in the magnetostructurally ordered phase of BaFe_2As_2 . Physical Review B, 2011, 84, .	1.1	72
11	Effect of Co Doping on the In-Plane Anisotropy in the Optical Spectrum of Underdoped $\text{Ba}_{1-x}\text{Fe}_x\text{As}_2$. Physical Review B, 2011, 84, .	2.9	65
12	Abrupt change in the energy gap of superconducting $\text{BaKFe}_2\text{As}_2$. Physical Review B, 2017, 95, .	1.1	56
13	Growth of $\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$ Single Crystals ($0 \leq x \leq 1$) by $\text{Ba}_2\text{As}_3/\text{Ba}_2\text{P}_3$ -Flux Method. Journal of the Physical Society of Japan, 2012, 81, 104710.	0.7	54
14	Doping-dependent critical current properties in K, Co, and P-doped BaF_2As single crystals. Physical Review B, 2017, 95, .	1.1	54
15	Normal-state charge dynamics in doped BaFe_2As_2 : Roles of doping and necessary ingredients for superconductivity. Scientific Reports, 2014, 4, 5873.	1.6	48
16	Effect of Doping on the Magnetostructural Ordered Phase of Iron Arsenides: A Comparative Study of the Resistivity Anisotropy in Doped BaFe_2As_2 with Doping into Three Different Sites. Journal of the American Chemical Society, 2013, 135, 3158-3163.	6.6	43
17	Possible hydrogen doping and enhancement of T_c ($=35$ K) in a LaFeAsO -based superconductor. Applied Physics Letters, 2010, 96, 072514.	1.5	35
18	Three-dimensional nature of normal and superconducting states in BaNi_2Cr_2 crystals with the ThCr_2Mg_2 structure. Physical Review B, 2009, 79, .	1.1	32

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19	Distinct doping dependence of critical temperature and critical current density in $Ba_{1-x}K_xFe_2As_2$ superconductor. Scientific Reports, 2016, 6, 26671.	1.6	27
20	Anisotropy of the superconducting gap in the iron-based superconductor $BaFe_2(As_{1-x}Px)_2$. Scientific Reports, 2014, 4, 7292.	1.6	25
21	Effects of uniaxial pressure and annealing on the resistivity of $Ba(Fe_{1-x}Co_x)_2As_2$. Journal of Physics and Chemistry of Solids, 2011, 72, 418-419.	1.9	24
22	Universality of the Dispersive Spin-Resonance Mode in Superconducting $BaFe_2As_2$. Physical Review Letters, 2013, 111, 167002.	2.0	24
23	Strong Electronic Correlations in Iron Pnictides: Comparison of Optical Spectra for $BaFe_2As_2$ -Related Compounds. Journal of the Physical Society of Japan, 2014, Crossover from bad to good metal in $BaFe_2As_2$.	0.7	24

24

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37	Electronic structure of BaNi_2As_2 via small-angle neutron scattering. Physical Review B, 2014, 89, .	1.1	12
38	Vortex lattice structure in BaFe_2As_2 revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2013, 87, .	1.1	12
39	Effect of magnetism on lattice dynamics in SrFe_2As_2 using high-resolution inelastic x-ray scattering. Physical Review B, 2016, 93, .	1.1	12
40	Three superconducting phases with different categories of pairing in hole- and electron-doped $\text{LaFeAs}_{1-x}\text{P}_x\text{O}$. Physical Review B, 2017, 95, .	1.1	12
41	Penetration depth and flux-flow resistivity measurements of $\text{BaFe}_2(\text{As}_{0.55}\text{P}_{0.45})_2$ single crystals. Physica C: Superconductivity and Its Applications, 2014, 504, 24-27.	0.6	11
42	Effects of Zn substitution on the electronic structure of BaFe_2As_2 revealed by angle-resolved photoemission spectroscopy. Physical Review B, 2013, 87, .	1.1	10
43	Investigation of Precursor Superconducting State in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ through In-Plane Optical Spectroscopy. Journal of the Physical Society of Japan, 2017, 86, 023701.	0.7	10
44	Orbital-anisotropic electronic structure in the nonmagnetic state of $\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$ superconductors. Scientific Reports, 2018, 8, 2169.	1.6	9
45	Control of band structure of FeSe single crystals via biaxial strain. Physical Review Materials, 2021, 5, .	0.9	9
46	Angle-resolved photoemission study on the superconducting iron-pnictides of $\text{BaFe}_2(\text{As,P})_2$ with low energy photons. Solid State Communications, 2012, 152, 695-700.	0.9	8
47	Optical Study of Electron-Doped Cuprate $\text{Pr}_{1.3}\text{La}_{0.7}\text{Ce}_x\text{CuO}_{4+\delta}$ in Under-Doped Regime: Revisit the Phase Diagram. Journal of the Physical Society of Japan, 2018, 87, 043705.	0.7	8
48	Comprehensive study of out-of-plane transport properties in BaFe_2As_2 : Three-dimensional electronic state and effect of chemical substitution. Physical Review B, 2018, 97, .	1.1	8
49	In-plane electronic anisotropy in the antiferromagnetic orthorhombic phase of isovalent-substituted BaFe_2As_2 . Physical Review B, 2015, 92, .	1.1	7
50	Lattice dynamics in FeSe via inelastic x-ray scattering and first-principles calculations. Physical Review B, 2020, 101, .	1.1	7
51	Direct observation of in-plane anisotropy of the superconducting critical current density in BaFe_2As_2 . Physical Review B, 2018, 97, .	1.1	7
52	A Resistive Transition between the Normal and Superconducting State of $\text{BaNi}_2\text{P}_2\text{S}_2$ Single Crystals. Journal of the Physical Society of Japan, 2008, 77, 136-137.	0.7	5
53	Large elastic anomalies and strong electron-lattice coupling in iron-based superconductor $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Solid State Communications, 2012, 152, 680-687.	0.9	5
54	Evidence of a universal relation between electron-mode coupling and T_c in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ superconductor from laser angle-resolved photoemission spectroscopy. Physical Review B, 2014, 90, .	1.1	5

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55	Ultrafast melting of spin density wave order in $\text{BaFe}(\text{As}_{1-x}\text{P}_x)_2$ observed by time- and angle-resolved photoemission spectroscopy with extreme-ultraviolet higher harmonic generation. <i>Physical Review B</i> , 2017, 95, .	1.1	5
56	Effect of electron correlations on spin excitation bandwidth in $\text{Ba}_{0.75}\text{K}_{0.25}\text{Fe}_2\text{As}_2$ as seen via time-of-flight inelastic neutron scattering. <i>Physical Review B</i> , 2018, 97, .	1.1	5
57	Superconducting-Gap Anisotropy of Iron Pnictides Investigated via Combinatorial Microwave Measurements. <i>Scientific Reports</i> , 2020, 10, 7064.	1.6	5
58	Optical response of FeAs-based compounds. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S326-S327.	0.6	4
59	Selective Raman Scattering Detection of the Dirac Node and the Anti-node of the Spin Density Wave Gap and Magnetic Excitations in BaFe_2As_2 . <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1179-1183.	0.8	4
60	Carrier localization due to local magnetic order induced by magnetic impurities in $\text{Ba}(\text{As}_{1-x}\text{P}_x)_2$. <i>Physical Review B</i> , 2016, 94, .	1.4	4
61	Superconducting gap and nematic resonance at the quantum critical point observed by Raman scattering in $\text{BaFe}(\text{As}_{1-x}\text{P}_x)_2$. <i>Physical Review B</i> , 2020, 101, .	1.1	4
62	Superconducting gap in iron pnictides studied by optical spectroscopy. <i>Journal of Physics and Chemistry of Solids</i> , 2011, 72, 511-513.	1.9	3
63	Effect of the sample work function on alkali metal dosing induced electronic structure change. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2021, 249, 147045.	0.8	3
64	Transport properties of single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 905-907.	0.6	2
65	The Nodal SDW Gap and the Superconducting Gap in $\text{BaFe}_{2-x}\text{Co}_x\text{As}_2$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1185-1189.	0.8	2
66	Quantum oscillations in iron-based superconductors: BaFe_2As_2 vs. KFe_2As_2 . <i>Journal of Physics: Conference Series</i> , 2013, 449, 012022.	0.3	2
67	Unusual nodal behaviors of the superconducting gap in the iron-based superconductor $\text{Ba}(\text{As}_{1-x}\text{P}_x)_2$. <i>Physical Review B</i> , 2018, 98, .	1.1	2
68	Effects of post-growth heat treatment on electronic phase diagrams and critical current densities of $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ and $\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$ single crystals. <i>Physical Review B</i> , 2018, 98, .	1.1	2
69	Experimental investigation of the suppressed superconducting gap and double-resonance mode in $\text{Ba}(\text{As}_{1-x}\text{P}_x)_2$. <i>Physical Review B</i> , 2018, 98, .	1.1	2
70	Thickness-induced crossover from strong to weak collective pinning in exfoliated FeTe thin films at 1 T. <i>Physical Review B</i> , 2021, 104, .	1.2	2
71	Hybridization Effect in $\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$ Observed by Hard X-ray Photoemission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 053702.	0.7	2
72	Enhanced Superconductivity in Close Proximity to Polar-Nonpolar Structural Phase Transition in Se/Te-Substituted PtBi_2 . <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	0.7	2

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73	Doping effect on the carrier scattering in iron-pnictide superconductors studied by charge transport. Journal of Physics and Chemistry of Solids, 2011, 72, 407-409.	1.9	1
74	Doping dependence of the pinning efficiency in K-doped Ba122 single crystals prior to and after fast neutron irradiation. Superconductor Science and Technology, 2019, 32, 094004.	1.8	1
75	Effect of Cr substitution for V in Sr ₂ VFeAsO ₃ . Superconductor Science and Technology, 2019, 32, 064003.	1.8	1
76	Characteristic charge transport in oxygen-deficiency-controlled LnFeAsO ($\text{Ln} = \text{La}$ and Nd). Physica C: Superconductivity and Its Applications, 2010, 470, S324-S325.	0.6	0
77	Elastic Anomalies Associated with superconducting phase transitions in Iron-based Superconductor $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$. Journal of Physics: Conference Series, 2012, 400, 022037.	0.3	0
78	Evolution of charge dynamics in $\text{FeSe}_{1-x}\text{Te}_x$: Effects of electronic correlations and nematicity. Physical Review B, 2021, 104, .	1.1	0