

Toshihiro Taen

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8041221/toshihiro-taen-publications-by-year.pdf>

Version: 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

1,307
citations

19
h-index

35
g-index

52
ext. papers

1,383
ext. citations

2.1
avg, IF

4.21
L-index

#	Paper	IF	Citations
50	Thickness-dependent phase transition in graphite under high magnetic field. <i>Physical Review B</i> , 2018 , 97,	3.3	8
49	Double carrier transport in electron-doped region in black phosphorus FET. <i>Applied Physics Letters</i> , 2018 , 113, 193101	3.4	6
48	Tunable magnetoresistance in thin-film graphite field-effect transistor by gate voltage. <i>Physical Review B</i> , 2018 , 98,	3.3	4
47	Evolution of superconducting and transport properties in annealed FeTe _{1-x} Sex(0.1 ≤ x ≤ 0.4) multiband superconductors. <i>Superconductor Science and Technology</i> , 2015 , 28, 044002	3.1	12
46	Effects of heavy-ion irradiations in K-doped BaFe ₂ As ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2015 , 518, 47-50	1.3	17
45	Critical current density and vortex dynamics in pristine and proton-irradiated Ba _{0.6} K _{0.4} Fe ₂ As ₂ . <i>Superconductor Science and Technology</i> , 2015 , 28, 085003	3.1	43
44	Electronic Structure and the Properties of Phosphorene and Few-Layer Black Phosphorus. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 121004	1.5	49
43	Chalcogen (O ₂ , S, Se, Te) atmosphere annealing induced bulk superconductivity in Fe _{1+Te} 1Be single crystal. <i>Physica C: Superconductivity and Its Applications</i> , 2014 , 504, 12-15	1.3	6
42	Observation of lock-in phenomena in heavy-ion-irradiated single crystal of Ba(Fe _{0.93} Co _{0.07}) ₂ As ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	5
41	The Effect of 320 MeV Au Irradiation in K-doped Ba-122. <i>Physics Procedia</i> , 2014 , 58, 122-125		7
40	Dynamics and mechanism of oxygen annealing in Fe _{1+y} Te _{0.6} Se _{0.4} single crystal. <i>Scientific Reports</i> , 2014 , 4, 4585	4.9	64
39	Evidence of anisotropic vortex pinning by intrinsic and irradiation-induced defects in Ba(Fe,Co) ₂ As ₂ studied by quantitative magneto-optical imaging. <i>Superconductor Science and Technology</i> , 2014 , 27, 044014	3.1	14
38	Multiband effects and possible Dirac fermions in Fe _{1+y} Te _{0.6} Se _{0.4} . <i>Physical Review B</i> , 2014 , 89,	3.3	43
37	Quantitative Magneto-Optical Imaging of Supercurrents in Heavy-Ion Irradiated Cuprate and Pnictide Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013 , 26, 2063-2067	1.5	
36	Effects of irradiation-particle energy on critical current density in Co-doped BaFe ₂ As ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 484, 62-65	1.3	7
35	Critical current density and vortex dynamics in pristine and proton-irradiated (Ba,K)Fe ₂ As ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 494, 106-108	1.3	4
34	Superconducting properties of iron-platinum-arsenides Ca ₁₀ (Pt _n As ₈)(Fe _{2-x} Pt _x As ₂) ₅ (n=3, 4). <i>Physica C: Superconductivity and Its Applications</i> , 2013 , 494, 65-68	1.3	5

33	Evolution of Superconductivity in Fe _{1+y} Te _{1-x} Se _x Annealed in Te Vapor. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 093705	1.5	22
32	Magnetic relaxation and collective vortex creep in FeTe _{0.6} Se _{0.4} single crystal. <i>Europhysics Letters</i> , 2013 , 103, 57013	1.6	28
31	Large, Homogeneous, and Isotropic Critical Current Density in Oxygen-Annealed Fe _{1+y} Te _{0.6} Se _{0.4} Single Crystal. <i>Applied Physics Express</i> , 2013 , 6, 043101	2.4	37
30	Enhancement of Critical Current Densities in (Ba,K)Fe ₂ As ₂ by 320 MeV Au Irradiation in Single Crystals and by High-Pressure Sintering in Powder-in-Tube Wires. <i>Applied Physics Express</i> , 2013 , 6, 123101	1.4	20
29	Pair-breaking effects induced by 3-MeV proton irradiation in Ba _{1-x} K _x Fe ₂ As ₂ . <i>Physical Review B</i> , 2013 , 88,	3.3	38
28	Magneto-Optical Characterization of Iron-Based Superconducting Wires and Tapes. <i>IEEE Transactions on Applied Superconductivity</i> , 2013 , 23, 7300304-7300304	1.8	9
27	Effects of annealing, acid and alcoholic beverages on Fe _{1+y} Te _{0.6} Se _{0.4} . <i>Superconductor Science and Technology</i> , 2013 , 26, 015015	3.1	43
26	Bulk Superconductivity in Fe _{1+y} Te _{1-x} Se _x Induced by Annealing in Se and S Vapor. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 115002	1.5	16
25	Effects of particle irradiations on vortex states in iron-based superconductors. <i>Superconductor Science and Technology</i> , 2012 , 25, 084008	3.1	80
24	Magnetic and transport properties of iron-platinum arsenide Ca ₁₀ (Pt ₄ As ₈)(Fe ₂ Pt _x As ₂) ₅ single crystal. <i>Physical Review B</i> , 2012 , 85,	3.3	19
23	Magneto-optical imaging and transport properties of FeSe superconducting tapes prepared by the diffusion method. <i>Superconductor Science and Technology</i> , 2012 , 25, 025003	3.1	22
22	Anisotropies and Homogeneities of Superconducting Properties in Iron-Platinum-Arsenide Ca ₁₀ (Pt ₃ As ₈)(Fe _{1.79} Pt _{0.21} As ₂) ₅ . <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 114723	1.5	5
21	Enhancement of critical current density and vortex activation energy in proton-irradiated Co-doped BaFe ₂ As ₂ . <i>Physical Review B</i> , 2012 , 86,	3.3	57
20	FeSe superconducting tapes with a high critical current density fabricated by diffusion method. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022016	0.3	1
19	Vortex phase diagram of pristine and irradiated Co-doped BaFe ₂ As ₂ . <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022122	0.3	
18	Effects of swift Xe irradiation in Ba(Fe _{1-x} Cox) ₂ As ₂ single crystals. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022119	0.3	1
17	H ⁺ irradiation effect in Co-doped BaFe ₂ As ₂ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 647-650	1.3	4
16	Magneto-optical imaging of polycrystalline FeTe _{1-x} Se _x prepared at various conditions. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 651-655	1.3	5

15	Low-field anomaly of vortex dynamics in iron-pnictide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 777-780	1.3	5
14	Vortex dynamics in proton irradiated Co-doped BaFe ₂ As ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 784-786	1.3	16
13	Characterization of epitaxial Co-doped BaFe ₂ As ₂ thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2011 , 471, 1181-1184	1.3	5
12	Low-temperature synthesis of FeTe _{0.5} Se _{0.5} polycrystals with a high transport critical current density. <i>Superconductor Science and Technology</i> , 2011 , 24, 075025	3.1	24
11	Transport and magnetic properties of Co-doped BaFe ₂ As ₂ epitaxial thin films grown on MgO substrate. <i>Superconductor Science and Technology</i> , 2010 , 23, 105016	3.1	18
10	Suppression of the critical temperature of superconducting Ba(Fe _{1-x} Co _x) ₂ As ₂ by point defects from proton irradiation. <i>Physical Review B</i> , 2010 , 82,	3.3	109
9	Effects of heavy-ion irradiation on the vortex state in Ba(Fe _{1-x} Co _x) ₂ As ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S360-S362	1.3	1
8	Critical Current Densities and Vortex Dynamics in Ba(Fe _{1-x} Co _x) ₂ As ₂ Single Crystals. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 605-608	1.5	
7	Doping dependence of magnetic and transport properties in single crystalline Co-doped BaFe ₂ As ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S408-S410	1.3	7
6	Characterization of superconductivity in FeTe _{0.61} Se _{0.39} single crystal with T _c ~ 14 K. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S391-S393	1.3	6
5	Critical current densities and flux creep rate in Co-doped BaFe ₂ As ₂ with columnar defects introduced by heavy-ion irradiation. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, 1103-1105	1.3	3
4	Critical current densities and vortex dynamics in FeTe _x Se _{1-x} single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, 1106-1108	1.3	20
3	Possible Superconductivity above 25 K in Single-Crystalline Co-Doped BaFe ₂ As ₂ . <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 023702	1.5	96
2	Superconductivity at T _c ~ 14 K in single-crystalline FeTe _{0.61} Se _{0.39} . <i>Physical Review B</i> , 2009 , 80,	3.3	162
1	Enhancement of critical current density in Co-doped BaFe ₂ As ₂ with columnar defects introduced by heavy-ion irradiation. <i>Physical Review B</i> , 2009 , 80,	3.3	133