

A Krzton-Maziopa

List of Publications by Year in descending order

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38
papers

1,259
citations

394421

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docs citations

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times ranked

1067
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and crystal growth of $\text{Cs}_{0.8}(\text{FeSe}_{0.98})_2$: a new iron-based superconductor with $T_c = 27$ K. Journal of Physics Condensed Matter, 2011, 23, 052203.	1.8	272
2	Coexistence of Magnetism and Superconductivity in the Iron-Based Compound $\text{Cs}_{0.8}(\text{FeSe}_{0.98})_2$. Physical Review Letters, 2011, 106, 117602.	7.8	163
3	Room temperature antiferromagnetic order in superconducting $\text{Cs}_{1-x}\text{Fe}_x\text{Se}_2$. Physical Review Letters, 2011, 106, 117602.	3.2	88
4	Synthesis of a new alkali metal-organic solvent intercalated iron selenide superconductor with $T_c = 45$ K. Journal of Physics Condensed Matter, 2012, 24, 382202.	1.8	88
5	Superconductivity in a new layered bismuth oxyselenide: $\text{LaO}_{0.5}\text{F}_{0.5}\text{BiSe}_2$. Journal of Physics Condensed Matter, 2014, 26, 045201.	1.8	62
6	Superconducting properties of single-crystalline Fe_{1-x}Se . Physical Review Letters, 2011, 106, 117602.	3.2	61
7	Microstructural analysis of phase separation in iron chalcogenide superconductors. Superconductor Science and Technology, 2012, 25, 084023.	3.5	49
8	The synthesis, and crystal and magnetic structure of the iron selenide BaFe_2Se_3 with possible superconductivity at $T_c = 11$ K. Journal of Physics Condensed Matter, 2011, 23, 402201.	1.8	43
9	Room temperature antiferromagnetic order in superconducting $\text{X}_{1-x}\text{Fe}_x\text{Se}_2$ ($X = \text{Rb}, \text{K}$): a neutron powder diffraction study. Journal of Physics Condensed Matter, 2011, 23, 402201.	1.8	41
10	Spinwave excitations and superconducting resonant mode in $\text{Cs}_{1-x}\text{Fe}_x\text{Se}_2$. Physical Review Letters, 2011, 106, 117602.	3.2	32
11	Intrinsic crystal phase separation in the antiferromagnetic superconductor $\text{Rb}_{1-x}\text{Fe}_x\text{Se}_2$: a diffraction study. Journal of Physics Condensed Matter, 2012, 24, 435701.	1.8	28
12	Superconductivity in alkali metal intercalated iron selenides. Journal of Physics Condensed Matter, 2016, 28, 293002.	1.8	28
13	Crystal structure of BaFe_2Se_3 as a function of temperature and pressure: phase transition phenomena and high-order expansion of Landau potential. Journal of Physics Condensed Matter, 2013, 25, 315403.	1.8	25
14	Superconductivity and magnetism in $\text{Rb}_{1-x}\text{Fe}_x\text{Se}_2$. Physical Review Letters, 2011, 106, 117602.	3.2	24
15	Edge of the one-dimensional chalcogenide BaFe_2Se_3 . Physical Review Letters, 2012, 108, 067201.	3.2	21
16	High-resolution characterization of microstructural evolution in $\text{Rb}_{1-x}\text{Fe}_x\text{Se}_2$ on annealing. Physical Review B, 2014, 90, 020401.	1.2	1
17	Temperature and Pressure Evolution of the Crystal Structure of $\text{A}_{0.77}\text{Fe}_{1.61}\text{Se}$ ($A = \text{Cs}, \text{Rb}, \text{K}$) Studied by Synchrotron Photoemission and Muon Spin Relaxation Spectroscopy of the Iron-based $\text{Rb}_{1-x}\text{Fe}_x\text{Se}_2$. Physical Review B, 2012, 86, 020401.	4.0	20
18	Temperature and Pressure Evolution of the Crystal Structure of $\text{A}_{0.77}\text{Fe}_{1.61}\text{Se}$ ($A = \text{Cs}, \text{Rb}, \text{K}$) Studied by Synchrotron Photoemission and Muon Spin Relaxation Spectroscopy of the Iron-based $\text{Rb}_{1-x}\text{Fe}_x\text{Se}_2$. Physical Review B, 2012, 86, 020401.	3.2	20

#	ARTICLE	IF	CITATIONS
19	Dimensional Superfluid Density in an Alkali Metal-Organic Solvent Intercalated Iron Selenide Superconductor $\text{Li}_{1-x}\text{Fe}_2\text{Se}_2$	0.784314	20
20	Pressure cycle of superconducting Cs _{0.8} Fe ₂ Se ₂ : A transport study. Solid State Communications, 2011, 151, 747-750.	1.9	17
21	Pressure-induced phase transition in Cs _{0.8} Fe ₂ Se ₂ single crystals. Physical Review B, 2014, 89, 020407.	3.2	16
22	Interplay of electronic and lattice degrees of freedom in A _{1-x} Fe ₂ Se ₂ superconductors under pressure. Physical Review B, 2013, 88, .	3.2	16
23	Single crystals of novel alkali metal intercalated iron chalcogenide superconductors. Journal of Crystal Growth, 2012, 360, 155-157.	1.5	14
24	High-pressure polymorphism of BaFe ₂ Se ₃ . Journal of Physics Condensed Matter, 2019, 31, 085401.	1.8	12
25	Compressibility and pressure-induced disorder in superconducting phase-separated Cs _{1-x} Fe ₂ Se ₂ single crystals. Physical Review B, 2014, 89, .	3.2	10
26	ER suspensions of composite core-shell microspheres with improved sedimentation stability. Polymers for Advanced Technologies, 2012, 23, 702-709.	3.2	10
27	Two-dimensional Cs-vacancy superstructure in iron-based superconductor Cs _{1-x} Fe ₂ Se ₂ . Physical Review B, 2015, 91, .	3.2	10
28	Magnetic anisotropy in FeSb studied by 57Fe Mössbauer spectroscopy. Journal of Magnetism and Magnetic Materials, 2016, 399, 221-227.	2.3	10
29	Magnetic field-induced anisotropy in superconducting Rb _x Fe ₂ Se ₂ single crystals. Physical Review B, 2019, 100, 020407.	3.2	8
30	Electrorheological effect in hybrid fluids with liquid crystalline additives. Polymers for Advanced Technologies, 2006, 17, 41-44.	3.2	6
31	Structural disorder in Li _x (C ₅ H ₅ N) _y Fe ₂ Se ₂ and Cs _x Fe ₂ Se ₂ superconductors studied by Mössbauer spectroscopy. Journal of Magnetism and Magnetic Materials, 2016, 406, 244-250.	2.3	6
32	Imaging the local electronic and magnetic properties of intrinsically phase separated Rb _x Fe ₂ Se ₂ superconductor using scanning microscopy techniques. Superconductor Science and Technology, 2019, 32, 044005.	3.5	6
33	Magnetic imaging of antiferromagnetic and superconducting phases in Rb _x Fe ₂ Se ₂ crystals. Physical Review B, 2018, 97, .	3.2	4
34	Effect of external pressure on T _c of as-grown and thermally treated superconducting Rb _x Fe ₂ Se ₂ single crystals. Physica Status Solidi - Rapid Research Letters, 2013, 7, 218-220.	2.4	2
35	Determination of hyperfine fields orientation in nuclear probe techniques. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 173, 827-831.	3.9	2
36	Pressure-induced enhancement of two-dimensionality in LaO _{1-x} Fe ₂ Se ₂ single crystals.		

#	ARTICLE	IF	CITATIONS
37	Formation of single-phase disordered $\text{Cs}_x\text{Fe}_{2-x}\text{Se}_2$ at high pressure. <i>Physical Review B</i> , 2018, 97, .	3.2	1
38	Local microscopic properties and annealing effect of $\text{Rb}_{0.85}\text{Fe}_{1.9}\text{Se}_2$ single crystals. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 145604.	1.8	0