Anna Krzton-Maziopa

List of Publications by Year
in descending order

59	1,335	394421	345221
papers	citations	19 h-index	36 g-index

60	60	60	1263
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and crystal growth of Cs_{0.8}(FeSe_{0.98})₂: a new iron-based superconductor with<i>T</i>_c= 27 K. Journal of Physics Condensed Matter, 2011, 23, 052203.	1.8	272
2	Coexistence of Magnetism and Superconductivity in the Iron-Based CompoundCs0.8(FeSe0.98)2. Physical Review Letters, 2011, 106, 117602.	7.8	163
3	Iron-vacancy superstructure and possible room-temperature antiferromagnetic order in superconducting Cs<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>âˆ’	3.2	88
4	Synthesis of a new alkali metalâ€“organic solvent intercalated iron selenide superconductor with<i>T</i>_câ‰ˆ 45 K. Journal of Physics Condensed Matter, 2012, 24, 382202.	1.8	88
5	Superconducting properties of single-crystalline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>A</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:math>Se<mml: xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:	3.2	61
6	Flowable polymer electrolytes for lithium metal batteries. Journal of Power Sources, 2019, 423, 218-226.	7.8	50
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 BaFe₂Se₃with possible superconductivity at<i>T</i>_c= 11 K. Journal of Physics Condensed Matter, 2011, 23, 402201.	1.8	43
9	Room temperature antiferromagnetic order in superconducting X_{<i>y</i>}Fe_{2 âˆ’<i>x</i>}Se₂(X = Rb, K): a neutron powder diffraction study. Journal of Physics Condensed Matter, 2011, 23, 156003.	1.8	41
10	Viscoelastic and shear-thinning effects of aqueous exopolymer solution on disk and sphere settling. Scientific Reports, 2019, 9, 7897.	3.3	37
11	Study of electrorheological properties of poly(p-phenylene) dispersions. Journal of Rheology, 2005, 49, 1177-1192.	2.6	33
12	Spin-wave excitations and superconducting resonant mode in Cs<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:math>Se<mml: xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	3.2	32
13	Intrinsic crystal phase separation in the antiferromagnetic superconductor Rb_{<i>y</i>}Fe_{2âˆ’<i>x</i>}Se₂: a diffraction study. Journal of Physics Condensed Matter, 2012, 24, 435701.	1.8	28
14	Implementation of QFD method in quality analysis of confectionery products. Journal of Intelligent Manufacturing, 2018, 29, 439-447.	7.3	26
15	Crosslinking Kinetics of Methylcellulose Aqueous Solution and Its Potential as a Scaffold for Tissue Engineering. Polymers, 2019, 11, 1772.	4.5	26
16	Crystal structure of BaFe₂Se₃as 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
17	Superconductivity and magnetism in Rb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>âˆ’</mml:mo><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:math>Se<mml: xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>: Imma. Physical Review B, 2012, 86, .	3.2	24
18	Temperature and Pressure Evolution of the Crystal Structure of A_{<i>x</i>}(Fe_{1â€“<i>y</i>}Se)₂ (A = Cs, Rb, K) Studied by Synchrotron Powder Diffraction. Inorganic Chemistry, 2011, 50, 10703-10708.	4.0	20

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19	Superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Li</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi) Tj ETQq1 1 0.784314 rgBT /Ove	7.8	20
20	Pressure cycle of superconducting Cs0.8Fe2Se2 : A transport study. Solid State Communications, 2011, 151, 747-750.	1.9	17
21	Phase coexistence in Cs<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>0.8</mml:mn></mml:mrow></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>1.6</mml:mn></mml:mrow></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow	3.2	16
22	Development of the emulsions containing modified fats formed via enzymatic interesterification catalyzed by specific lipase with various amount of water. Journal of Dispersion Science and Technology, 2019, 40, 192-205.	2.4	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 BaFe2Se3. Journal of Physics Condensed Matter, 2019, 31, 085401.	1.8	12
25	Electrorheological fluids based on polymer electrolytes. Electrochimica Acta, 2005, 50, 3838-3842.	5.2	11
26	Superconducting selenides intercalated with organic molecules: synthesis, crystal structure, electric and magnetic properties, superconducting properties, and phase separation in iron based-chalcogenides and hybrid organic-inorganic superconductors. Journal of Physics Condensed Matter, 2018, 30, 243001.	1.8	11
27	Superconductivity and appearance of negative magnetocaloric effect in Ba1â€“K BiO3 perovskites, doped by Y, La and Pr. Acta Materialia, 2022, 222, 117437.	7.9	11
28	ER suspensions of composite coreâ€shell microspheres with improved sedimentation stability. Polymers for Advanced Technologies, 2012, 23, 702-709.	3.2	10
29	Rheological and physical analysis of oil-water emulsion based on enzymatic structured fat. Rheologica Acta, 2020, 59, 717-726.	2.4	10
30	Electrocrystallization of nanostructured iron-selenide films for potential application in dye sensitized solar cells. Thin Solid Films, 2020, 709, 138121.	1.8	9
31	Magnetic field tuned anisotropy in superconducting Rb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mi>x</mml:mi></mml:msub></mml:math>Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn><mml:mo>â^’</mml:mo><mml:mi>y</mml:mi></mml:mrow></mml:msub></mml:math>Se<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mrow	3.2	8
32	Intercalated Iron Chalcogenides: Phase Separation Phenomena and Superconducting Properties. Frontiers in Chemistry, 2021, 9, 640361.	3.6	8
33	Electrorheological effect in hybrid fluids with liquid crystalline additives. Polymers for Advanced Technologies, 2006, 17, 41-44.	3.2	6
34	Floating zone crystal growth and magnetic properties of bilayer manganites Pr(Sr1â^’xCax)2Mn2O7. Journal of Crystal Growth, 2012, 353, 25-30.	1.5	6
35	Field-induced transition of the magnetic ground state from A-type antiferromagnetic to ferromagnetic order in CsCo₂Se₂. Journal of Physics Condensed Matter, 2016, 28, 276001.	1.8	6
36	Imaging the local electronic and magnetic properties of intrinsically phase separated Rb x Fe2â€“y Se2 superconductor using scanning microscopy techniques. Superconductor Science and Technology, 2019, 32, 044005.	3.5	6

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37	Polarization processes in electrorheological fluids based on conductive polymers. Polymers for Advanced Technologies, 2006, 17, 37-40.	3.2	5
38	Thermally induced structural transformations of linear coordination polymers based on aluminum tris(diorganophosphates). Dalton Transactions, 2018, 47, 16480-16491.	3.3	5
39	The synthesis, and crystal and magnetic structure of the iron selenide BaFe2Se3with possible superconductivity atTc= 11 K. Journal of Physics Condensed Matter, 2012, 24, 059502.	1.8	3
40	1D and 2D hybrid polymers based on zinc phenylphosphates: synthesis, characterization and applications in electroactive materials. RSC Advances, 2021, 11, 7873-7885.	3.6	3
41	Effect of external pressure on T_c of asâ€grown and thermally treated superconducting Rb_x Fe_{2â€“y}Se₂ single crystals. Physica Status Solidi - Rapid Research Letters, 2013, 7, 218-220.	2.4	2
42	Microstructure and viscoelasticity of electrorheological suspensions with hybrid coreâ€shell microspheres. Polymers for Advanced Technologies, 2018, 29, 2486-2495.	3.2	2
43	In Situ Visualization of Local Distortions in the High-T_c Molecule-Intercalated Li_x(C₅H₅N)_yFe_{2â€“z}Se₂ Superconductor. Inorganic Chemistry, 2022, 61, 4350-4360.	4.2	2
44	ELECTRORHEOLOGICAL FLUIDS BASED ON MODIFIED POLYACRYLONITRILE. International Journal of Modern Physics B, 2005, 19, 1083-1089.	2.0	1
45	CONJUGATED POLYMERS AS ACTIVE COMPONENTS OF ELECTRORHEOLOGICAL FLUIDS. International Journal of Modern Physics B, 2005, 19, 1090-1096.	2.0	1
46	Rheological and physicochemical evaluation of dispersion systems based on enzymatically modified animal fat. Rheologica Acta, 2019, 58, 657-673.	2.4	1
47	Nematicity in chalcogenide parent compound Fe1+Te probed by thermoelectric measurements. Journal of Physics and Chemistry of Solids, 2020, 139, 109311.	4.0	1
48	Bismuth and oxygen valencies and superconducting state properties in Ba1-xKxBiO3 superconductor. Physica B: Condensed Matter, 2020, 591, 412226.	2.7	1
49	Electrorheological fluids materials, phenomena, applications. Polimery, 2003, 48, 743-752.	0.7	1
50	Rheological Characterization and Quality of Emulsions Based on Fats Produced during the Reaction Catalyzed by Immobilized Lipase from Rhizomucor Miehei. Catalysts, 2022, 12, 649.	3.5	1
51	VISCOELASTIC BEHAVIOR OF CONDUCTIVE POLYMER BASED ER DISPERSIONS UNDER SMALL DEFORMATIONS. International Journal of Modern Physics B, 2007, 21, 4758-4766.	2.0	0
52	Electrorheological activity of suspensions of surface-modified pyrolyzed polyacrylonitrile. Polymer Engineering and Science, 2007, 47, 1192-1197.	3.1	0
53	Electrorheological fluids containing phosphorylated polystyrene-co-divinylbenzene. Journal of Physics: Conference Series, 2009, 149, 012028.	0.4	0
54	Ionically conductive polymers for ER fluid preparation. Journal of Physics: Conference Series, 2009, 149, 012021.	0.4	0

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55	Publisherâ€™s Note: Two-Dimensional Superfluid Density in an Alkali Metal-Organic Solvent Intercalated Iron Selenide SuperconductorLi(C5H5N)0.2Fe2Se2 [Phys. Rev. Lett.110, 137003 (2013)]. Physical Review Letters, 2013, 110, .	7.8	0
56	ELECTRORHEOLOGICAL FLUIDS BASED ON MODIFIED POLYACRYLONITRILE. , 2005, , .		0
57	CONJUGATED POLYMERS AS ACTIVE COMPONENTS OF ELECTRORHEOLOGICAL FLUIDS. , 2005, , .		0
58	VISCOELASTIC BEHAVIOR OF CONDUCTIVE POLYMER BASED ER DISPERSIONS UNDER SMALL DEFORMATIONS. , 2007, , .		0
59	Electrochemical intercalation of alkali metal â€“ Lewis bases adducts into layered structure of iron chalcogenides. Journal of Solid State Chemistry, 2022, 310, 123024.	2.9	0