

Anna Krzton-Maziopa

List of Publications by Year in descending order

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59
papers

1,335
citations

394421

19
h-index

345221

36
g-index

60
all docs

60
docs citations

60
times ranked

1263
citing authors

#	ARTICLE	IF	CITATIONS
1	Superconductivity and appearance of negative magnetocaloric effect in Ba _{1-x} K BiO ₃ perovskites, doped by Y, La and Pr. <i>Acta Materialia</i> , 2022, 222, 117437.	7.9	11
2	In Situ Visualization of Local Distortions in the High- <i>T_c</i> Molecule-Intercalated Li _x (C ₅ H ₅ N) _y Fe ₂ Se ₂ Superconductor. <i>Inorganic Chemistry</i> , 2022, 61, 4350-4360.	4.0	0
3	Electrochemical intercalation of alkali metal Lewis bases adducts into layered structure of iron chalcogenides. <i>Journal of Solid State Chemistry</i> , 2022, 310, 123024.	2.9	0
4	Rheological Characterization and Quality of Emulsions Based on Fats Produced during the Reaction Catalyzed by Immobilized Lipase from <i>Rhizomucor Miehei</i> . <i>Catalysts</i> , 2022, 12, 649.	3.5	1
5	Intercalated Iron Chalcogenides: Phase Separation Phenomena and Superconducting Properties. <i>Frontiers in Chemistry</i> , 2021, 9, 640361.	3.6	8
6	1D and 2D hybrid polymers based on zinc phenylphosphates: synthesis, characterization and applications in electroactive materials. <i>RSC Advances</i> , 2021, 11, 7873-7885.	3.6	3
7	Nematicity in chalcogenide parent compound Fe _{1+Te} probed by thermoelectric measurements. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 139, 109311.	4.0	1
8	Rheological and physical analysis of oil-water emulsion based on enzymatic structured fat. <i>Rheologica Acta</i> , 2020, 59, 717-726.	2.4	10
9	Bismuth and oxygen valencies and superconducting state properties in Ba _{1-x} K _x BiO ₃ superconductor. <i>Physica B: Condensed Matter</i> , 2020, 591, 412226.	2.7	1
10	Electrocrystallization of nanostructured iron-selenide films for potential application in dye sensitized solar cells. <i>Thin Solid Films</i> , 2020, 709, 138121.	1.8	9
11	Rheological and physicochemical evaluation of dispersion systems based on enzymatically modified animal fat. <i>Rheologica Acta</i> , 2019, 58, 657-673.	2.4	1
12	Crosslinking Kinetics of Methylcellulose Aqueous Solution and Its Potential as a Scaffold for Tissue Engineering. <i>Polymers</i> , 2019, 11, 1772.	4.5	26
13	Imaging the local electronic and magnetic properties of intrinsically phase separated Rb _x Fe _{2-y} Se ₂ superconductor using scanning microscopy techniques. <i>Superconductor Science and Technology</i> , 2019, 32, 044005.	3.5	6
14	Viscoelastic and shear-thinning effects of aqueous exopolymer solution on disk and sphere settling. <i>Scientific Reports</i> , 2019, 9, 7897.	3.3	37
15	Flowable polymer electrolytes for lithium metal batteries. <i>Journal of Power Sources</i> , 2019, 423, 218-226.	7.8	50
16	High-pressure polymorphism of BaFe ₂ Se ₃ . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 085401.	1.8	12
17	Development of the emulsions containing modified fats formed via enzymatic interesterification catalyzed by specific lipase with various amount of water. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 192-205.	2.4	16
18	Implementation of QFD method in quality analysis of confectionery products. <i>Journal of Intelligent Manufacturing</i> , 2018, 29, 439-447.	7.3	26

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19	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
20	Thermally induced structural transformations of linear coordination polymers based on aluminum tris(diorganophosphates). Dalton Transactions, 2018, 47, 16480-16491.	3.3	5
21	Microstructure and viscoelasticity of electrorheological suspensions with hybrid core-shell microspheres. Polymers for Advanced Technologies, 2018, 29, 2486-2495.	3.2	2
22	Field-induced transition of the magnetic ground state from A-type antiferromagnetic to ferromagnetic order in CsCo ₂ Se ₂ . Journal of Physics Condensed Matter, 2016, 28, 276001.	1.8	6
23	Unusual Superfluid Density in an Alkali Metal-Organic Solvent Intercalated Iron Selenide Superconductor $\text{Li}(\text{C}_5\text{H}_5\text{N})_0.2\text{Fe}_2\text{Se}_2$ [Phys. Rev. Lett. 110, 137003 (2013)]. Physical Review Letters, 2013, 110, .	7.8	20
24	Crystal structure of BaFe ₂ Se 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
25	Publisher's Note: Two-Dimensional Superfluid Density in an Alkali Metal-Organic Solvent Intercalated Iron Selenide Superconductor $\text{Li}(\text{C}_5\text{H}_5\text{N})_0.2\text{Fe}_2\text{Se}_2$ [Phys. Rev. Lett. 110, 137003 (2013)]. Physical Review Letters, 2013, 110, .	7.8	0
26	Effect of external pressure on T_c of as-grown and thermally treated superconducting $\text{Rb}_x\text{Fe}_2\text{Se}_2$ single crystals. Physica Status Solidi - Rapid Research Letters, 2013, 7, 218-220.	2.4	2
27	Magnetic field tuned anisotropy in superconducting $\text{Rb}_x\text{Fe}_2\text{Se}_2$ single crystals. Physica Status Solidi - Rapid Research Letters, 2013, 7, 218-220.	3.2	16
28	Superconductivity and magnetism in $\text{Rb}_x\text{Fe}_2\text{Se}_2$ single crystals. Physica Status Solidi - Rapid Research Letters, 2013, 7, 218-220.	3.2	8
29	Superconductivity and magnetism in $\text{Rb}_x\text{Fe}_2\text{Se}_2$ single crystals. Physica Status Solidi - Rapid Research Letters, 2013, 7, 218-220.	3.2	32
30	Superconductivity and magnetism in $\text{Rb}_x\text{Fe}_2\text{Se}_2$ single crystals. Physica Status Solidi - Rapid Research Letters, 2013, 7, 218-220.	3.2	24
31	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, 2012, 24, 059502.	1.8	3
32	Intrinsic crystal phase separation in the antiferromagnetic superconductor $\text{Rb}_x\text{Fe}_2\text{Se}_2$: a diffraction study. Journal of Physics Condensed Matter, 2012, 24, 435701.	3.2	61
33	Intrinsic crystal phase separation in the antiferromagnetic superconductor $\text{Rb}_x\text{Fe}_2\text{Se}_2$: a diffraction study. Journal of Physics Condensed Matter, 2012, 24, 435701.	1.8	28
34	Single crystals of novel alkali metal intercalated iron chalcogenide superconductors. Journal of Crystal Growth, 2012, 360, 155-157.	1.5	14
35	Floating zone crystal growth and magnetic properties of bilayer manganites $\text{Pr}(\text{Sr}_{1-x}\text{Ca}_x)_2\text{Mn}_2\text{O}_7$. Journal of Crystal Growth, 2012, 353, 25-30.	1.5	6
36	Microstructural analysis of phase separation in iron chalcogenide superconductors. Superconductor Science and Technology, 2012, 25, 084023.	3.5	49

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37	Synthesis of a new alkali metal-organic solvent intercalated iron selenide superconductor with $T_c \approx 45$ K. Journal of Physics Condensed Matter, 2012, 24, 382202.	1.8	88
38	ER suspensions of composite core-shell microspheres with improved sedimentation stability. Polymers for Advanced Technologies, 2012, 23, 702-709.	3.2	10
39	Room temperature antiferromagnetic order in superconducting $X_{1-x}Fe_2Se_2$ (X = Rb, K): a neutron powder diffraction study. Journal of Physics Condensed Matter, 2011, 23, 156003.	1.8	41
40	Temperature and Pressure Evolution of the Crystal Structure of $A_{1-x}Fe_2Se_2$ (A = Cs, Rb, K) Studied by Synchrotron Powder Diffraction. Inorganic Chemistry, 2011, 50, 10703-10708.	4.0	20
41	Synthesis and crystal growth of $Cs_{0.8}(FeSe_{0.98})_2$: a new iron-based superconductor with $T_c = 27$ K. Journal of Physics Condensed Matter, 2011, 23, 052203.	1.8	272
42	Coexistence of Magnetism and Superconductivity in the Iron-Based Compound $Cs_{0.8}(FeSe_{0.98})_2$. Physical Review Letters, 2011, 106, 117602.	7.8	163
43	Iron-vacancy superstructure and possible room-temperature antiferromagnetic order in superconducting $Cs_{1-x}Fe_2Se_2$ (x = 0.8, 0.98). Journal of Physics Condensed Matter, 2011, 23, 156003.	3.2	88
44	Pressure cycle of superconducting $Cs_{0.8}Fe_2Se_2$: A transport study. Solid State Communications, 2011, 151, 747-750.	1.9	17
45	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
46	Electrorheological fluids containing phosphorylated polystyrene-co-divinylbenzene. Journal of Physics: Conference Series, 2009, 149, 012028.	0.4	0
47	Ionically conductive polymers for ER fluid preparation. Journal of Physics: Conference Series, 2009, 149, 012021.	0.4	0
48	VISCOELASTIC BEHAVIOR OF CONDUCTIVE POLYMER BASED ER DISPERSIONS UNDER SMALL DEFORMATIONS. International Journal of Modern Physics B, 2007, 21, 4758-4766.	2.0	0
49	Electrorheological activity of suspensions of surface-modified pyrolyzed polyacrylonitrile. Polymer Engineering and Science, 2007, 47, 1192-1197.	3.1	0
50	VISCOELASTIC BEHAVIOR OF CONDUCTIVE POLYMER BASED ER DISPERSIONS UNDER SMALL DEFORMATIONS. , 2007, , .		0
51	Polarization processes in electrorheological fluids based on conductive polymers. Polymers for Advanced Technologies, 2006, 17, 37-40.	3.2	5
52	Electrorheological effect in hybrid fluids with liquid crystalline additives. Polymers for Advanced Technologies, 2006, 17, 41-44.	3.2	6
53	Electrorheological fluids based on polymer electrolytes. Electrochimica Acta, 2005, 50, 3838-3842.	5.2	11
54	ELECTRORHEOLOGICAL FLUIDS BASED ON MODIFIED POLYACRYLONITRILE. International Journal of Modern Physics B, 2005, 19, 1083-1089.	2.0	1

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55	CONJUGATED POLYMERS AS ACTIVE COMPONENTS OF ELECTORRHEOLOGICAL FLUIDS. International Journal of Modern Physics B, 2005, 19, 1090-1096.	2.0	1
56	Study of electrorheological properties of poly(p-phenylene) dispersions. Journal of Rheology, 2005, 49, 1177-1192.	2.6	33
57	ELECTORRHEOLOGICAL FLUIDS BASED ON MODIFIED POLYACRYLONITRILE. , 2005, , .		0
58	CONJUGATED POLYMERS AS ACTIVE COMPONENTS OF ELECTORRHEOLOGICAL FLUIDS. , 2005, , .		0
59	Electrorheological fluids materials, phenomena, applications. Polimery, 2003, 48, 743-752.	0.7	1