

Krastyo Buchkov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5614543/publications.pdf>

Version: 2024-02-01

38
papers

396
citations

758635

12
h-index

794141

19
g-index

38
all docs

38
docs citations

38
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Evolution of WSe ₂ Flakes Synthesized by Thermally Assisted Conversion Method. Coatings, 2022, 12, 353.	1.2	2
2	Magneto-optical characterization of ZnO / Ni nano-laminate obtained via Atomic Layer Deposition. Journal of Physics: Conference Series, 2021, 1762, 012041.	0.3	4
3	A precursor mechanism triggering the second magnetization peak phenomenon in superconducting materials. Scientific Reports, 2021, 11, 7247.	1.6	25
4	Anisotropic Optical Response of WTe ₂ Single Crystals Studied by Ellipsometric Analysis. Nanomaterials, 2021, 11, 2262.	1.9	8
5	High Pinning Force Values of a Fe(Se, Te) Single Crystal Presenting a Second Magnetization Peak Phenomenon. Materials, 2021, 14, 5214.	1.3	9
6	Fluctuating Cooper pairs in FeSe at temperatures exceeding double T_c . Superconductor Science and Technology, 2021, 34, 015013.	1.8	4
7	2D WSe ₂ films synthesized by thermally assisted conversion method. , 2021, , .		0
8	Properties Analysis of 2D PtSe ₂ Layers Grown by Thermally Assisted Conversion of Chemical Vapor Deposition. , 2021, , .		1
9	Silver doping effects on irreversibility field and pinning energy of a FeSe iron based superconductor. Journal of Physics: Conference Series, 2020, 1548, 012024.	0.3	5
10	Magnetic field sweep rate influence on the critical current capabilities of a Fe(Se,Te) crystal. Journal of Applied Physics, 2020, 128, .	1.1	5
11	Features of excess conductivity and a possible pseudogap in FeSe superconductors. Low Temperature Physics, 2020, 46, 538-549.	0.2	6
12	Synthesis and characterization of 2D platinum diselenide. Journal of Physics: Conference Series, 2020, 1492, 012022.	0.3	4
13	Mixed state properties analysis in AC magnetic field of strong pinning Fe(Se,Te) single crystal. Superconductor Science and Technology, 2020, 33, 094006.	1.8	6
14	Inter-granular effects at high magnetic fields of cuprate and iron chalcogenide superconducting materials. Journal of Physics: Conference Series, 2019, 1186, 012004.	0.3	0
15	Transport properties and high upper critical field of a Fe(Se,Te) iron based superconductor. European Physical Journal: Special Topics, 2019, 228, 725-731.	1.2	17
16	Second Magnetization Peak Effect in a Fe(Se,Te) iron based superconductor. Journal of Physics: Conference Series, 2019, 1226, 012012.	0.3	8
17	Scaling behavior of current-voltage characteristics of Fe _{1.02} Se crystal. AIP Conference Proceedings, 2019, , .	0.3	0
18	Pinning energy and anisotropy properties of a Fe(Se, Te) iron based superconductor. Nanotechnology, 2019, 30, 254001.	1.3	21

#	ARTICLE	IF	CITATIONS
19	Harmonic AC magnetic susceptibility analysis of FeSe crystals with composite morphology. <i>Physica Scripta</i> , 2019, 94, 085804.	1.2	8
20	The Vortex Glass-Liquid Transition in Fe _{1.02} Se Crystal. <i>Advanced Materials Letters</i> , 2019, 10, 627-632.	0.3	0
21	Evidence of pinning crossover and the role of twin boundaries in the peak effect in FeSeTe iron based superconductor. <i>Superconductor Science and Technology</i> , 2018, 31, 015014.	1.8	40
22	Mixed state properties of iron based Fe(Se,Te) superconductor fabricated by Bridgman and by self-flux methods. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	20
23	Magnetron sputtering of Fe-oxides on the top of HTS YBCO films. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 429, 138-141.	1.0	2
24	A Comparative Study Between Electro and Magneto Excess Conductivities in FeTeSe Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 2751-2762.	0.8	5
25	Critical current and flux dynamics in Ag-doped FeSe superconductor. <i>Superconductor Science and Technology</i> , 2017, 30, 025013.	1.8	29
26	Electro-transport studies of silver doped FeSe _{0.94} superconducting system. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	2
27	Ag-doped FeSe _{0.94} polycrystalline samples obtained through hot isostatic pressing with improved grain connectivity. <i>Superconductor Science and Technology</i> , 2016, 29, 095002.	1.8	13
28	Investigation of the vortex dynamics of Fe _{1.02} Se crystals by fundamental and 3rd harmonic ac magnetic susceptibility analysis. <i>Superconductor Science and Technology</i> , 2015, 28, 035009.	1.8	12
29	The Effect of Ag Addition on the Superconducting Properties of FeSe _{0.94} . <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 1135-1138.	0.8	13
30	Transport and pinning properties of Ag-doped FeSe _{0.94} . <i>Superconductor Science and Technology</i> , 2015, 28, 025013.	1.8	22
31	Evaluation of the intragrain critical current density in a multidomain FeSe crystal by means of dc magnetic measurements. <i>Superconductor Science and Technology</i> , 2015, 28, 115005.	1.8	34
32	Improvement of the superconducting properties of polycrystalline FeSe by silver addition. <i>Superconductor Science and Technology</i> , 2015, 28, 125013.	1.8	12
33	Vortex pinning properties in Fe-chalcogenides. <i>Superconductor Science and Technology</i> , 2015, 28, 125001.	1.8	40
34	Effect of Mechanochemical Treatment on Magnetic Properties of Nanodimensional Magnetite-Type Materials. <i>Acta Physica Polonica A</i> , 2014, 126, 912-915.	0.2	0
35	Effect of Sn-doping on the Superconducting Properties of HoBa ₂ Cu ₃ O _y , Obtained by the MTC Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 763-769.	0.8	1
36	Fundamental and 3rd harmonic χ'' ; magnetic susceptibility of over-doped polycrystalline Y _{1-x} CaxBa ₂ Cu ₃ O _{7-δ} (x=0.025 and x=0.20) samples. <i>Physica C: Superconductivity and Its Applications</i> , 2012, 473, 48-56.	0.6	5

#	ARTICLE	IF	CITATIONS
37	Doping dependence of irreversibility line in $Y_{1-x}Ca_xBa_2Cu_3O_{7-\delta}$. Physica C: Superconductivity and Its Applications, 2010, 470, 421-427.	0.6	11
38	Synthesis and Characterizations of 2D Platinum Diselenide. , 0, , .		2