

Nawazish A Khan

List of Publications by Year in descending order

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196
papers

1,839
citations

304368

22
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#	ARTICLE	IF	CITATIONS
1	Enhanced superconducting properties of $\text{Cu}_{1-x}\text{Tl}_x\text{Ba}_2\text{Ca}_2\text{Mg}_y\text{Cu}_3\text{O}_{10-\hat{I}}$ ($y=0, 0.5, 1.0, \text{ and } 1.5$). <i>Applied Physics Letters</i> , 2005, 86, 152502.	1.5	62
2	Effects of post-annealing on the infrared active phonon modes of low anisotropy ($\hat{I}^3=5\hat{A}^{\text{€}}11$) $\text{Cu}_{1-\hat{x}}\text{Tl}_x\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10-\hat{I}}$ superconductor thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 407, 23-30.	0.6	43
3	Superconductivity in Be substituted by Ca in $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_n\hat{A}^{\sim}1\hat{A}^{\sim}y\text{Be}_y\text{Cu}_n\text{O}_{2n+4\hat{A}^{\sim}I}$ ($n=3,4$ and) $T_j \text{ ETQq1 } 10,784314 \text{ rgBT / Over}$	0.6	42
4	Frequency dependent dielectric properties of $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2\text{Cu}_3\hat{A}^{\sim}y\text{ZnyO}_{10\hat{A}^{\sim}I}$ ($y=, 1.0, 1.5,2.0, 2.5$) superconductors. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	40
5	Simple method for direct synthesis of $\text{YBa}_2\text{Cu}_4\text{O}_8$ at atmospheric oxygen pressure. <i>Applied Physics Letters</i> , 1993, 63, 257-259.	1.5	38
6	The study of phonon modes of $\text{Cu}_{1-\hat{x}}\text{Tl}_x\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_{12\hat{A}^{\sim}y}$ superconductor thin films by FTIR absorption spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 407, 103-114.	0.6	37
7	Effect of Ge^{4+} and Mg^{2+} doping on superconductivity, fluctuation induced conductivity and interplanar coupling of $\text{TlSr}_2\text{CaCu}_2\text{O}_7\hat{A}^{\sim}I$ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2011, 471, 363-372.	0.6	34
8	Amorphous to crystalline phase transformation and band gap refinement in ZnSe thin films. <i>Thin Solid Films</i> , 2018, 648, 31-38.	0.8	34
9	The study of inter-plane coupling in $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10\hat{A}^{\sim}I}$ superconductor by Mg and Pr substitution at Ca site. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 425, 90-96.	0.6	33
10	Preparation of biaxially oriented TlCu-1234 thin films. <i>Physica C: Superconductivity and Its Applications</i> , 1999, 320, 39-44.	0.6	32
11	Superparamagnetic bimetallic iron $\hat{A}^{\text{€}}$ palladium nanoalloy: synthesis and characterization. <i>Nanotechnology</i> , 2008, 19, 185608.	1.3	32
12	A simple method for the normal pressure synthesis of $\text{Cu}_{1-\hat{x}}\text{Tl}_x\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_{12\hat{A}^{\sim}I}$ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 422, 9-15.	0.6	29
13	The effect of grain size on the fluctuation-induced conductivity of $\text{Cu}_{1-\hat{x}}\text{Tl}_x\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_{12\hat{A}^{\sim}I}$ superconductor thin films. <i>Superconductor Science and Technology</i> , 2007, 20, 742-747.	1.8	29
14	A new $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2\text{Cu}_3\hat{A}^{\sim}y\text{ZnyO}_{10\hat{A}^{\sim}I}$ high-temperature superconductor with three ZnO_2 planes. <i>Superconductor Science and Technology</i> , 2006, 19, 762-766.	1.8	28
15	Study of the intergranular coupling of $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2\hat{A}^{\sim}y\text{MgyCu}_3\text{O}_{10\hat{A}^{\sim}I}$ ($y= 0, 0.5, 1.0$ and 1.5) superconductors. <i>Superconductor Science and Technology</i> , 2006, 19, 679-684.	1.8	28
16	Mechanism of decomposition of cuprous cyanide. Infrared and thermal evidence. <i>Chemistry of Materials</i> , 1993, 5, 1283-1286.	3.2	26
17	Phonon modes of $\text{Cu}_{1-\hat{x}}\text{Tl}_x\text{-1234}$ superconductor thin films. <i>Physica B: Condensed Matter</i> , 2004, 349, 156-158.	1.3	25
18	Dielectric properties of $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_{12\hat{A}^{\sim}I}$ bulk superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2009, 469, 728-731.	0.6	24

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19	Different regions of fluctuation conductivity in Sn-doped $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{As}_y\text{SnyO}_{10}$ superconductors. <i>Physica B: Condensed Matter</i> , 2010, 405, 1541-1545.	1.3	24
20	Enhanced superconductivity by Mg doping in $\text{Cu}_{1-x}\text{TlxBa}_2\text{Ca}_2\text{As}_y\text{MgyCu}_{0.5}\text{Zn}_{2.5}\text{O}_{10}$. <i>Materials Letters</i> , 2008, 62, 659-662.	1.3	23
21	Superconducting fluctuation behavior and infrared absorption properties of $\text{Tl}_{1-x}\text{Cu}_{x}\text{Sr}_{1.6}\text{Yb}_{0.4}\text{CaCu}_2\text{O}_7$ and $\text{Tl}_{0.5}\text{Pb}_{0.5}\text{Sr}_{2-x}\text{Mg}_{x}\text{Ca}_{0.8}\text{Yb}_{0.2}\text{Cu}_2\text{O}_7$ ceramics. <i>Journal of Alloys and Compounds</i> , 2010, 492, 473-481.	2.8	23
22	Doping of the CuO_2 planes of $\text{Cu}_{1-x}\text{TlxBa}_2\text{Ca}_2\text{Cu}_3\text{O}_{10-y}$ superconductor via light and heavier ions. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 398, 114-122.	0.6	22
23	Frequency dependent dielectric properties of $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2(\text{Cu}_{3-y}\text{My})\text{O}_{10}$ superconductor. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	22
24	Study of CuO Nano-particles/CuTl-1223 Superconductor Composite. <i>Journal of Low Temperature Physics</i> , 2013, 170, 185-204.	0.6	22
25	Growth kinetics of $\text{Cu}_{1-x}\text{TlxBa}_2\text{Ca}_3\text{Cu}_4\text{O}_{12}$ thin films. <i>Superconductor Science and Technology</i> , 2002, 15, 613-618.	1.8	21
26	Growth kinetics of $\text{Cu}_{1-x}\text{TlxBa}_2\text{Ca}_2\text{Cu}_3\text{O}_{10-y}$ thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 377, 43-48.	0.6	21
27	Study of nano-sized (ZnFe_2O_4) particles/CuTl-1223 superconductor composites. <i>Solid State Sciences</i> , 2013, 22, 21-26.	1.5	21
28	Improved interplane and intergranular coupling by Mg doping at Ca site in $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2(\text{Cu}_{0.5}\text{Zn}_{2.5})\text{O}_{10}$ superconductor. <i>Journal of Applied Physics</i> , 2008, 103, 083913.	1.1	20
29	Enhanced superconductivity in $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{CanAs}_{1-y}\text{ByCu}_n\text{O}_{2n+4}$ ($n = 4$ and 5 , $y = 1.5, 1.7, 2.0$) system with oxygen doping. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1841-1849.	1.9	19
30	Magnetic ion doped $\text{Cu}_{1-x}\text{TlxBa}_2\text{Ca}_2\text{As}_y\text{MgyCu}_{1.5}\text{Ni}_{1.5}\text{O}_{10}$ ($y = 0, 0.5, 1.0, 1.5$) superconductors and their improved inter-plane coupling. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 466, 106-110.	0.6	19
31	Role of annealing temperature of nickel oxide (NiOx) as hole transport layer in work function alignment with perovskite. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	19
32	Superconducting properties of Cd doped $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{As}_y\text{CdyO}_{12}$ ($y = 0, 0.25, 0.5, 0.75, 1.0$) superconductors. <i>Journal of Alloys and Compounds</i> , 2009, 481, 81-86.	2.8	18
33	Role of anti-ferromagnetic Cr nanoparticles in CuTl-1223 superconducting matrix. <i>Journal of Alloys and Compounds</i> , 2015, 649, 320-326.	2.8	18
34	Suppression of anti-ferromagnetism by enhanced solubility of Ni in $\text{Cu}_{1-x}\text{TlxBa}_2\text{Ca}_2\text{Cu}_3\text{As}_y\text{NiyO}_{10}$ ($y = 0$), $T_c \propto (1 - y)^{1/2}$. <i>Journal of Applied Physics</i> , 2008, 103, 083913.	2.8	17
35	Single and multi-walled carbon nanotubes doped ($\text{Cu}_{0.5}\text{Tl}_{0.5}$) $\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ superconductors. <i>Journal of Alloys and Compounds</i> , 2012, 538, 183-188.	2.8	17
36	Enhanced Inter-grain Connectivity in Nano-particles Doped ($\text{Cu}_{0.5}\text{Tl}_{0.5}$) $\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012, 25, 1725-1733.	0.8	17

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37	Reduced anti-ferromagnetism promoted by Zn 3d ¹⁰ substitution at CuO ₂ planar sites of Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₃ Cu ₄ O ₁₂ superconductors. <i>Physica B: Condensed Matter</i> , 2009, 404, 3973-3977.	1.3	16
38	Growth of Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₃ Cu ₄ Y ₂ O ₁₂ superconductor with optimum carriers. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 428-434.	0.6	16
39	Optimization of carriers by self-doping in Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₂ Cu ₃ Y ₂ O ₁₀ superconductor. <i>Journal of Applied Physics</i> , 2010, 107, .	1.1	16
40	Absence of pair breaking effect in Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₂ Cu ₃ Y ₂ O ₁₀ (y=0, 0.75, 1.5, 2.25, 2.5, 2.65) superconductor. <i>EPJ Applied Physics</i> , 2007, 38, 47-51.	0.3	15
41	Studies of the phonon modes and superconducting properties of Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₂ Cu ₃ Zn ₁ O ₁₀ superconductors. <i>Journal of Applied Physics</i> , 2007, 102, 104301.	0.8	15
42	Structure and superconducting properties of Fe-doped Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₂ Cu ₃ Y ₂ O ₁₀ (y=0, 0.02, 0.03,) <i>Tj ETOq0 0 0 rgBT /Overlo</i>	2.8	15
43	Suppression of Superconductivity Due to Enhanced Co Doping in Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₂ Cu ₃ Co _y O ₁₀ Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1521-1526.	0.8	15
44	Synthesis and characterization of core-shell Ni/NiO nanoparticles/CuTl-1223 superconductor composites. <i>Ceramics International</i> , 2014, 40, 13819-13825.	2.3	15
45	X-ray photoemission studies of Zn doped Cu _{1-x} Tl _x Ba ₂ Ca ₂ Cu ₃ Y ₂ O ₁₀ (y=0, 2.65) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 453, 46-51.	0.6	14
46	Effect on Diamagnetism and Phonon Modes due to Mg and Be Doping at Ca Sites in Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₃ Y ₂ M _y Cu ₄ O ₁₂ (y=0 and 1.5 for M=Mg, Be) High Temperature Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1977-1983.	0.8	14
47	Electrical and infrared characterization of the semiconducting phases of YBa ₂ Cu ₃ O _{6+x} . <i>Solid State Communications</i> , 1994, 92, 607-611.	0.9	13
48	Synthesis of Cu _{1-x} Tl _x Ba ₂ Ca ₂ Cu ₃ O ₁₁ (x=0.7) superconductor by hot press. <i>Physica C: Superconductivity and Its Applications</i> , 1998, 302, 137-142.	0.6	13
49	Normal pressure synthesis of Cu _{1-x} Tl _x Ba ₂ Ca ₂ Cu ₃ O ₁₀ superconductor. <i>Physica C: Superconductivity and Its Applications</i> , 2005, 417, 119-126.	0.6	13
50	X-ray photo-emission studies of Cu _{1-x} Tl _x Ba ₂ Ca ₃ Cu ₄ O ₁₂ superconductor thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 449, 47-52.	0.6	13
51	How Grain-Boundaries Influence the Intergranular Critical Current Density of Cu _{1-x} Tl _x Ba ₂ Ca ₃ Cu ₄ O ₁₂ Superconductor Thin Films?. <i>Journal of Low Temperature Physics</i> , 2008, 151, 1221-1229.	0.6	13
52	Fluctuation-induced conductivity of polycrystalline Ni doped Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₂ Cu ₃ Y ₂ O ₁₀ (y=0, 0.5,) <i>Tj ETOq0 0 0 rgBT /Overlo</i>	1.1	13
53	Cd-Doped Cu _{0.5} Tl _{0.5} Ba ₂ Ca ₂ Cu ₃ Y ₂ O ₁₀ (y=0,0.5,1.0,1.5,2.0) Superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010, 23, 199-204.	0.8	13
54	Studies of fluctuation induce conductivity of Mg doped Cu _{0.5} Tl _{0.5} Ba ₂ (Ca _{2-x} Y _x Mg _y)(Cu _{0.5} Zn _{2.5})O ₁₀ (y=0, 0.5, 1.0) superconductors. <i>Physica B: Condensed Matter</i> , 2010, 405, 2772-2780.	1.3	13

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55	Fluctuation induced conductivity in $(\text{Cu}_{0.5}\text{Tl}_{0.5}\hat{x}\text{K})\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_{12}\hat{y}$ superconductor. Journal of Applied Physics, 2011, 109, 023906.	1.1	13
56	Superconducting fluctuation and infrared absorption of Cd-substituted $\text{Tl}_{0.9}\text{Bi}_{0.1}\text{Sr}_{1.8}\text{Yb}_{0.2}\text{Ca}_{1\hat{x}}\text{Cd}_x\text{Cu}_{1.99}\text{Fe}_{0.01}\text{O}_{7\hat{y}}$ ceramics. Ceramics International, 2013, 39, S257-S261.	2.3	13
57	The Role of Mass of Doped Atoms in the Superconductivity of $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}\hat{d}$ and $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2\text{Cu}_{1.5}\text{M}_{1.5}\text{O}_{10}\hat{d}$ (M = Cd, Zn, and Ni). Journal of Superconductivity and Novel Magnetism, 2017, 30, 1153-1160.	0.8	13
58	$\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_3\text{Cu}_{4\hat{y}}\text{Zn}_{\hat{y}}\text{O}_{12}\hat{y}$ (y=0, 1.0, 2.0, 3.0, 3.5): Superconductor with Four ZnO ₂ Planes. Journal of Low Temperature Physics, 2007, 149, 97-103.	0.6	12
59	$(\text{Cu}_{0.5}\text{Tl}_{0.5})\text{Ba}_2\text{Ca}_{n\hat{1}}\text{Cu}_{n\hat{y}}\text{Ge}_{\hat{y}}\text{O}_{2n+4}\hat{y}$ (n=3, 4 and y=0.5, 0.75, 1.0); superconductors with GeO ₂ planes. Physica C: Superconductivity and Its Applications, 2008, 468, 2341-2344.	0.6	12
60	Pyrolysis mechanism of trisbipyridineiron(II) chloride to iron nanoparticles. Journal of Thermal Analysis and Calorimetry, 2012, 110, 707-713.	2.0	12
61	ZnSe/ITO thin films: candidate for CdTe solar cell window layer. Journal of Semiconductors, 2017, 38, 093001.	2.0	12
62	Perovskite phase formation in formamidinium methylammonium lead iodide bromide $(\text{FAPbI}_3)_{1-x}(\text{MAPbBr}_3)_x$ materials and their morphological, optical and photovoltaic properties. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	12
63	Synthesis and study of Raman active modes of $\text{Cu}_{1\hat{x}}\text{Tl}_x\text{Ba}_2\text{CaCu}_2\text{O}_{8\hat{y}}$ superconductor thin films. Physica C: Superconductivity and Its Applications, 2004, 403, 247-251.	0.6	11
64	Fluctuation induced conductivity analyses of Cd doped $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2\text{Cu}_3\hat{y}\text{Cd}_y\text{O}_{10}\hat{y}$ (y=0, 0.5, 1.0), $T_j \text{ETC}_{0.0} \text{rgBT} / \text{Overlo}$	2.3	11
65	Weak-link behaviour of $\text{Cu}_{1\hat{x}}\text{Tl}_x\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_{12}\hat{y}$ superconductor thin films. Superconductor Science and Technology, 2006, 19, 410-414.	1.8	10
66	Intergranular coupling of the $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2\text{Cu}_{0.5}\text{Zn}_{2.5}\text{O}_{10}\hat{y}$ superconductor. Superconductor Science and Technology, 2007, 20, 1228-1232.	1.8	10
67	AC-susceptibility measurements of $\text{Cu}_{1\hat{x}}\text{Tl}_x\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_{12}\hat{y}$ superconductor thin films with different thallium content. Physica C: Superconductivity and Its Applications, 2008, 468, 233-236.	0.6	10
68	Enhanced inter-plane coupling of Mg doped $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_2\hat{x}\text{Mg}_x\text{Cu}_3\text{O}_{10}\hat{y}$ superconductors: XPS and FTIR studies. Physica C: Superconductivity and Its Applications, 2008, 468, 405-410.	0.6	10
69	Suppression of T_c in Co-doped $(\text{Cu}_{0.5}\text{Tl}_{0.5})\text{Ba}_2\text{Ca}_2\text{Cu}_3\hat{x}\text{Co}_x\text{O}_{10}\hat{y}$ superconductor. Journal of Alloys and Compounds, 2010, 507, 142-145.	2.8	10
70	Suppressed phonon density and Para conductivity of Cd doped $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_3\text{Cu}_{4\hat{y}}\text{Cd}_y\text{O}_{12}\hat{y}$ (y=0), $T_j \text{ETC}_{0.0} \text{rgBT} / \text{Overlo}$	2.8	10
71	Study of Mg-doped $(\text{Cu}_{0.5}\text{Tl}_{0.5})\text{Ba}_2(\text{Ca}_{2\hat{y}}\text{Mg}_y)(\text{Cu}_{2.5}\text{Cd}_{0.5})\text{O}_{10}\hat{y}$ (y=0, 0.05, 0.1, 0.25, 0.5, 0.75, 1.0) superconductors. Journal of Alloys and Compounds, 2013, 572, 74-78.	2.8	10
72	Highly efficient and stable inverted perovskite solar cells with two-dimensional ZnSe deposited using a thermal evaporator for electron collection. Journal of Materials Chemistry A, 2018, 6, 22713-22720.	5.2	10

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73	Superconducting properties of $\text{Cu}_{1-x}\text{Tl}_x\text{Ba}_2\text{Ca}_3\text{Cu}_4\text{O}_{12-y}$ thin films. Superconductor Science and Technology, 2001, 14, 603-606.	1.8	9
74	Excess-conductivity analysis of Mg- and Be-doped polycrystalline $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_{1.5}\text{M}_{1.5}\text{Cu}_4\text{O}_{12}$ ($\text{M}=\text{Tl}$) Tj ETQq0 0 0 rgBT /Overlo	1.1	9
75	Dielectric response of $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2(\text{Ca}_{2-x}\text{Mg}_x)(\text{Cu}_{0.5}\text{Zn}_{2.5})\text{O}_{10}$ bulk superconductor to frequency and temperature. Physica C: Superconductivity and Its Applications, 2009, 469, 182-187.	0.6	9
76	Flux pinning in $\text{Tl}_{1-x}\text{CxBa}_2\text{Ca}_3\text{Cu}_4\text{O}_{12}$ superconductor. Physica C: Superconductivity and Its Applications, 2012, 480, 19-22.	0.6	9
77	Excess conductivity of Pb-doped $(\text{Cu}_{0.5-x}\text{PbxTl}_{0.5})\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ superconductors. Physica C: Superconductivity and Its Applications, 2012, 474, 29-33.	0.6	9
78	XPS studies of $\text{Cu}_{1-x}\text{Tl}_x\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10-y}$ superconductor thin films. Physica C: Superconductivity and Its Applications, 2005, 433, 21-27.	0.6	8
79	Self-doping Effects on the Superconducting Properties of $\text{Cu}_{0.5}\text{Tl}_{0.25}\text{M}_{0.25}\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ ($\text{M} = \text{Bi, Hg}$) Tj ETQq1 1 0.784314 rgBT	0.8	8
80	Effect of Mg doping in enhancing superconductivity in Ni doped $(\text{Cu}_{0.5}\text{Tl}_{0.25}\text{Li}_{0.25})\text{Ba}_2\text{Ca}_{2-x}\text{Mg}_x(\text{Cu}_{1.5}\text{Ni}_{1.5})\text{O}_{10}$ ($x=0, 0.5, 1.0, 1.5$) superconductors. Journal of Alloys and Compounds, 2008, 464, 550-555.	2.8	8
81	Intercomparison of Fluctuation Induced Conductivity of $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_{n+1}\text{Cu}_n\text{O}_{2n+4-y}$ ($n=2,3,4$) superconductor thin films. Physica C: Superconductivity and Its Applications, 2009, 469, 279-282.	0.6	8
82	Superconductivity in Co doped $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2(\text{CaM})\text{Cu}_{2.95}\text{Co}_{0.05}\text{O}_{10}$ ($\text{M}=\text{Mg, Be}$) samples. Journal of Alloys and Compounds, 2009, 481, 65-69.	2.8	8
83	Temperature and Frequency Dependent Dielectric Properties of $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2\text{Ca}_3(\text{Cu}_{4-x}\text{Cd}_x)\text{O}_{12}$ Bulk Superconductor. Journal of Low Temperature Physics, 2013, 172, 47-58.	0.6	8
84	Revival of Metal-Insulator and Ferromagnetic-Paramagnetic Transitions by Ni Substitution at Mn Site in Charge-Ordered Monovalent Doped $\text{Nd}_{0.75}\text{Na}_{0.25}\text{MnO}_3$ Manganites. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2851-2868.	0.8	8
85	Enhanced coherence length and interplane coupling by Ti doping in (Cu, Tl) -1223 superconductors: Para conductivity analyses. Ceramics International, 2020, 46, 3218-3223.	2.3	8
86	Y-Ba-Cu (1-2-3) superconductor starting with copper cyanide. Journal of Materials Science Letters, 1991, 10, 1182-1183.	0.5	7
87	Low-resistivity contacts to the surface of superconductor thin films. Superconductor Science and Technology, 2002, 15, 29-31.	1.8	7
88	A novel method for the direct synthesis of the $\text{Y}_2\text{Ba}_4\text{Cu}_7\text{O}_{15-x}$ superconductor. Superconductor Science and Technology, 2002, 15, 577-580.	1.8	7
89	The role of Nb substitution in $\text{Cu}_{1-x}\text{Tl}_x\text{Ba}_2\text{Ca}_{2-x}\text{Nb}_x\text{Cu}_3\text{O}_{10}$ ($x=0, 0.25, 0.5, 0.75, 1.0$) superconductor. Physica C: Superconductivity and Its Applications, 2006, 449, 21-28.	0.6	7
90	Effect of K-doping to the weak link behaviour of $(\text{Cu}_{0.5}\text{Tl}_{0.5-x}\text{K}_x)\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ superconductors. Physica C: Superconductivity and Its Applications, 2010, 470, 51-54.	0.6	7

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133	Annealing effect on the excess conductivity of $\text{Cu}_{0.5}\text{Tl}_{0.25}\text{M}_{0.25}\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ ($\text{M}=\text{K}, \text{Na}, \text{Li}, \text{Tl}$) superconductors. Journal of Applied Physics, 2012, 111, .	1.1	3
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168	Electron-Phonon Interactions and Superconductivity in $(Cu_{0.5}Ti_{0.5})Ba_2Ca_3(Cu_{4-y}Ti_y)O_{12}$ ($y=0$), Tj ETQq0 0 0 rgBT /Overl	0.8	1
169	Effect of Charge Reservoir Layer on the Structural and Transport Properties of $CuTlBa_2Ys_r-1223$ (Y) Tj ETQq1 1 0.784314 rgBT /Ove	0.8	1
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187	Investigation on Critical Regime of $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2(\text{Ca}_{2-x}\text{Be}_x)(\text{Cu}_2\text{Ti})\text{O}_{10}$ Superconductor via Excess Conductivity Analysis. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3243-3248.	0.8	0
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189	Decoupling of the CuO_2 plane and superconductivity in $\text{Cu}_{0.5}\text{Tl}_{0.5}\text{Ba}_2(\text{Ca}_{2-y}\text{Sr}_y)\text{Cu}_3\text{O}_{10}$ ($y = 0 \text{ to } 0.4$) samples. International Journal of Modern Physics B, 2016, 30, 1650097.	1.0	0
190	Effect of CuO_2 planes on the structural and superconducting transport properties of $[\text{CuTl} \text{ } 12(n \text{ }) T_j \text{ETQq} 0 0 0 \text{rgBT} / \text{Overlock}$ 10	1.0	0
191	Synthesis and Para-conductivity of $(\text{Tl}_{1-x}\text{Ti}_x)\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ ($x = 0, 0.2, 0.4, 0.6, 0.8$) Superconductors. Journal of Low Temperature Physics, 2016, 182, 38-50.	0.6	0
192	Influence of Be substitution on the superconducting properties of $(\text{Cu}_{0.5}\text{Tl}_{0.5})\text{Ba}_2(\text{Ca}_{2-y}\text{Be}_y)(\text{Cu}_{2.5}\text{Cd}_{0.5})\text{O}_{10}$ ($y = 0, 0.1, 0.2, 0.35, 0.5$) samples. Journal of Materials Science: Materials in Electronics, 2017, 28, 3509-3514.	1.1	0
193	Ni Nanoparticle-Added $\text{Ni} / (\text{Cu}_{0.5}\text{Tl}_{0.5})\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ Superconductor Composites and Their Enhanced Flux Pinning Characteristics. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1013-1020.	0.8	0
194	Enhanced superconducting properties of Ti doped $(\text{Cu}_{0.5}\text{Tl}_{0.5})\text{Ba}_2(\text{Ca}_{2-x}\text{Ti}_x)\text{Cu}_3\text{O}_{10}$ samples. Journal of Materials Science: Materials in Electronics, 2018, 29, 12414-12418.	1.1	0
195	Dopants Effect on Dielectric Response of $(\text{CuTl})_{0.5}\text{Ba}_2(\text{CaMg})\text{Cu}_3\text{O}_{10}$ Superconducting Phase. Journal of Low Temperature Physics, 2020, 198, 145-157.	0.6	0
196	Infield magnetic measurements of $(\text{Cu}_{0.5}\text{Tl}_{0.5})\text{Ba}_2\text{Ca}_3(\text{Cu}_{4-x}\text{Ti}_x)\text{O}_{12}$ ($x = 0, 0.25, 0.50, 0.75$) samples. Low Temperature Physics, 2022, 48, 193-199.	0.2	0