

Christine Opagiste

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Atomically Layered and Ordered Rare-Earth MAX Phases: A New Class of Magnetic Quaternary Compounds. <i>Chemistry of Materials</i> , 2019, 31, 2476-2485.	3.2	89
2	Magnetic properties of Cr_2AlB_2 , Cr_3AlB_4 , and CrB powders. <i>Journal of Alloys and Compounds</i> , 2018, 767, 474-482.	2.8	48
3	Reversible magnetization below T_c in high-quality superconducting ceramics. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 224, 263-276.	0.6	44
4	Disorder raises the critical temperature of a cuprate superconductor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 10691-10697.	3.3	34
5	Phase diagram of the $\text{Tl}_2\text{Ba}_2\text{CuO}_6$ compounds in the $T, \rho(\text{O}_2)$ plane. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 213, 17-25.	0.6	26
6	Metallurgy, HRTEM, magnetic properties and specific heat of $\text{Tl}_2\text{Ba}_2\text{Cu}_1\text{O}_{6+\delta}$ 90 K-superconductors obtained by a new process. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 205, 247-258.	0.6	17
7	Pathway for the formation of the $\text{Tl}-2223$ phase: an <i>in situ</i> neutron powder diffraction study. <i>Superconductor Science and Technology</i> , 2001, 14, 583-598.	1.8	17
8	A new elaboration process of the superconducting $\text{Tl}_2\text{Ba}_2\text{Cu}_1\text{O}_6$ phase with $T_c=90\text{K}$. <i>Journal of Alloys and Compounds</i> , 1993, 195, 47-51.	2.8	15
9	Preparation of pure $\text{Tl}_2\text{Ba}_2\text{CuO}_{6\pm x}$. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 205, 177-185.	0.6	14
10	Charge density wave and superconductivity competition in $\text{Lu}_{1-x}\text{Ce}_x\text{FeAs}_2$: A proton irradiation study. <i>Physical Review B</i> , 2020, 102, .	1.5	11
11	Crystal Structure of $\text{Ca}_4.78\text{Cu}_6\text{O}_{11.60}$. <i>Journal of Solid State Chemistry</i> , 2000, 151, 170-180.	1.4	11
12	Low-Frequency Relaxation Phenomena in $\text{Li}_x\text{-LiIO}_3$: The Nature and Role of Defects. <i>Journal of Solid State Chemistry</i> , 2002, 168, 76-84.	1.4	11
13	Charge Density Wave and Superconducting Properties in Single Crystals of $\text{Lu}_5\text{Ir}_4\text{Si}_{10}$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2013, 26, 1669-1672.	0.8	10
14	Crystal growth, structure and ferromagnetic properties of a $\text{Ce}_3\text{Pt}_{23}\text{Si}_{11}$ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 613-618.	1.0	9
15	Phase equilibria in the binary $\text{TlO}_{1.5}\text{-CuO}$, $\text{TlO}_{1.5}\text{-BaO}$ and ternary $\text{TlO}_{1.5}\text{-BaO-CuO}$ systems. <i>Journal of Alloys and Compounds</i> , 1993, 195, 53-56.	2.8	8
16	Unconventional behavior of the CePt_3Si_2 . <i>Physical Review B</i> , 2019, 100, 104411.	1.1	8
17	Reversibility of the mixed state of the 90K $\text{Tl}_2\text{Ba}_2\text{CuO}_{6+x}$ superconductor. <i>Journal of Alloys and Compounds</i> , 1993, 195, 455-458.	2.8	7
18	Luminescence properties of tetragonal $\text{Tl}_2\text{Ba}_2\text{Cu}_1\text{O}_{6+\delta}$ superconducting ceramics. <i>Solid State Communications</i> , 1994, 91, 747-750.	0.9	7

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19	Cathodoluminescence microscopy of superconducting and non-superconducting $Tl_2Ba_2CuO_6 + \delta$ polycrystals. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 259, 121-130.	0.6	7
20	Rare-earth (RE) nanolaminates $C_{m-3}Mo_4$ featuring ferromagnetism and mixed-valence states. <i>Physical Review Materials</i> , 2018, 2, .	0.9	7
21	$Lu_5Ir_4Si_{10}$ whiskers: Morphology, crystal structure, superconducting and charge density wave transition studies. <i>Journal of Crystal Growth</i> , 2010, 312, 3204-3208.	0.7	6
22	Metamagnetic behaviour of $Nd_3Pt_{23}Si_{11}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 340, 46-49.	1.0	6
23	Physical properties of the $R_3Pt_{23}Si_{11}$ compounds with volatile rare earth: Sm, Eu, Tm and Yb. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 378, 402-408.	1.0	6
24	The reaction pathway for the formation of $Tl-2223$. <i>Physica C: Superconductivity and Its Applications</i> , 2002, 372-376, 1137-1140.	0.6	5
25	Thermodynamic and kinetic studies of the phase transitions in $Tl_2Ba_2CuO_{6 \pm x}$. <i>Journal of Alloys and Compounds</i> , 1994, 215, 135-140.	2.8	4
26	Crystal structure and physical properties of the new ternary compounds $Nd_3Pt_{23}Si_{11}$ and $Pr_3Pt_{23}Si_{11}$. <i>Journal of Alloys and Compounds</i> , 2012, 541, 403-406.	2.8	4
27	First neutron studies of the magnetism and rattling modes in $CePt_4Ge_{12}$. <i>Journal of Physics: Conference Series</i> , 2015, 592, 012011.	0.3	4
28	Calcium substitution in the $Y_2Ba_4Cu_7O_{15} + \delta$ superconducting phase. <i>Journal of Alloys and Compounds</i> , 1993, 196, 235-239.	2.8	3
29	Specific heat of the 90-K superconductor $Tl_2Ba_2CuO_6$ (≈ 2201) prepared in high pressure Ar or He gas. <i>Journal of Alloys and Compounds</i> , 1993, 195, 547-550.	2.8	3
30	Magnetization scaling below T_{c1} in $BiSrCaCuO$ and $TlBaCaCuO$ superconducting ceramics. <i>Journal of Physics Condensed Matter</i> , 1994, 6, L399-L404.	0.7	3
31	Equilibrium diagram $T_c(T; p(O_2))$ of $Tl_2Ba_2CuO_6$. <i>Physica B: Condensed Matter</i> , 1994, 194-196, 1947-1948.	1.3	3
32	Structural and composition changes in superconducting ceramics locally irradiated by electrons. <i>Physics of the Solid State</i> , 1997, 39, 392-396.	0.2	3
33	Crystal growth and characterization of the ruthenate superconducting compound: Sr_2RuO_4 . <i>Journal of Crystal Growth</i> , 2005, 275, e739-e743.	0.7	3
34	Paramagnetic gold in a highly disordered Au-Ni-O alloy. <i>Scientific Reports</i> , 2019, 9, 13137.	1.6	3
35	High-pressure high-temperature synthesis of non-centrosymmetric $R_3Pt_4Ge_{13}$ compounds with $R = Gd, Dy, Ho, Er$ and Lu . <i>Journal of Alloys and Compounds</i> , 2019, 788, 1211-1217.	2.8	3
36	Elastic anomalies at the first order transition in $Lu_5Ir_4Si_{10}$. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 138, 109255.	1.9	3

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37	Mo ₄ Ce ₄ Al ₇ C ₃ : A nanolamellar ferromagnetic Kondo lattice. Physical Review B, 2020, 102, .	1.1	3
38	Magnetic properties of the Tl ₂ Ba ₂ Cu ₁ O ₆ + $\hat{\Gamma}$ 90K superconductor. Journal of Alloys and Compounds, 1993, 195, 607-610.	2.8	2
39	Reversibility of the mixed state of the 107K Tl ₂ Ba ₂ CaCu ₂ O ₈ superconductor investigated by different susceptibility measurements. Physica B: Condensed Matter, 1994, 194-196, 1809-1810.	1.3	2
40	Ferromagnetism in novel compounds of the R ₃ Pt ₂₃ Si ₁₁ series with heavy rare earth: Gd, Tb, Dy, Ho and Er. Journal of Magnetism and Magnetic Materials, 2014, 357, 13-17.	1.0	2
41	Characterization of the 105 K superconductor Tl ₂ Ba ₂ CaCu ₂ O ₈ ($\hat{\Gamma}$). Physica B: Condensed Matter, 1994, 194-196, 2183-2184.	1.3	1
42	Evolution of the (IR) reversibility domain extension with T _c in the overdoped Tl-2201 high T _c superconductor. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2747-2748.	0.6	1
43	Cathodoluminescence and photoluminescence studies of sintered BaCuO ₂ . Journal of Luminescence, 1997, 71, 299-304.	1.5	1
44	Characterization of low AC loss elementary and assembled BSCCO conductors. Superconductor Science and Technology, 2005, 18, 461-469.	1.8	1
45	Analysis of the magnetic properties of Ce ₃ Pt ₂₃ Si ₁₁ : orthorhombic crystal field and mean-field approximation. Journal of Physics Condensed Matter, 2018, 30, 285802.	0.7	1
46	Retrieving $\langle \text{CeB} \rangle$'s lost magnetic entropy. Physical Review B, 2020, 101, .	1.1	1
47	Magnetic phase diagram of (Mo _{2/3} RE _{1/3}) ₂ AlC, RE = Tb and Dy, studied by magnetization, specific heat, and neutron diffraction analysis. Journal of Physics Condensed Matter, 2022, 34, 215801.	0.7	1
48	Characterization of tetragonal Tl ₂ Ba ₂ Cu ₁ O ₆ + $\hat{\Gamma}$ by cathodoluminescence microscopy. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1139-1140.	0.6	0
49	The London penetration depth $\hat{\lambda}_{ab}$ evolution with T _c in the Tl-2201 overdoped superconductor. Physica C: Superconductivity and Its Applications, 1994, 235-240, 1815-1816.	0.6	0
50	Electron beam induced compositional and structural changes in. Superconductor Science and Technology, 1996, 9, 766-774.	1.8	0
51	Static and dynamical elastic behavior of Lu ₅ Ir ₄ Si ₁₀ around its first-order structural phase transition. International Journal of Modern Physics B, 2020, 34, 2050116.	1.0	0
52	Magnetic properties of the $\langle \text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf} \rangle$		