

Janet Tate

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1223598/publications.pdf>

Version: 2024-02-01

76
papers

3,721
citations

159585

30
h-index

128289

60
g-index

80
all docs

80
docs citations

80
times ranked

3638
citing authors

#	ARTICLE	IF	CITATIONS
1	p-type conductivity in $\text{CuCr}_{1-x}\text{Mg}_x\text{O}_2$ films and powders. Journal of Applied Physics, 2001, 89, 8022-8025.	2.5	395
2	Band-structure, optical properties, and defect physics of the photovoltaic semiconductor SnS. Applied Physics Letters, 2012, 100, .	3.3	382
3	A map of the inorganic ternary metal nitrides. Nature Materials, 2019, 18, 732-739.	27.5	274
4	Transparent p-type conducting CuScO_{2+x} films. Applied Physics Letters, 2000, 77, 1325-1326.	3.3	231
5	p-Type conductivity in the delafossite structure. Solid State Sciences, 2001, 3, 265-270.	0.7	211
6	p-Type oxides for use in transparent diodes. Thin Solid Films, 2002, 411, 119-124.	1.8	186
7	Origin of p-type conduction in single-crystal CuAlO_2 . Physical Review B, 2009, 80, .	3.2	158
8	Low-temperature preparation of superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ films on Si, MgO, and SrTiO_3 by thermal coevaporation. Applied Physics Letters, 1988, 53, 925-926.	3.3	129
9	p-Type transparent thin films of $\text{CuY}_{1-x}\text{Ca}_x\text{O}_2$. Thin Solid Films, 2001, 397, 244-248.	1.8	125
10	Synthesis and characterization of some ZnS-based thin film phosphors for electroluminescent device applications. Thin Solid Films, 2000, 365, 134-138.	1.8	121
11	High electron mobility W-doped In_2O_3 thin films by pulsed laser deposition. Applied Physics Letters, 2005, 87, 112108.	3.3	87
12	Electrical characterization of transparent p-n heterojunction diodes. Journal of Applied Physics, 2001, 90, 5763-5767.	2.5	84
13	p-type conductivity in wide-band-gap BaCuQF (Q=S,Se). Applied Physics Letters, 2003, 82, 2814-2816.	3.3	74
14	Precise Determination of the Cooper-Pair Mass. Physical Review Letters, 1989, 62, 845-848.	7.8	60
15	Scaling of voltage-current characteristics of thin-film Y-Ba-Cu-O at low magnetic fields. Physical Review B, 1994, 49, 6890-6894.	3.2	57
16	High-fraction brookite films from amorphous precursors. Scientific Reports, 2017, 7, 15232.	3.3	56
17	Low-temperature, solution processing of TiO_2 thin films and fabrication of multilayer dielectric optical elements. Solid State Sciences, 2009, 11, 1692-1699.	3.2	54
18	Chalcogen-based transparent conductors. Thin Solid Films, 2008, 516, 5795-5799.	1.8	46

#	ARTICLE	IF	CITATIONS
19	Novel phase diagram behavior and materials design in heterostructural semiconductor alloys. <i>Science Advances</i> , 2017, 3, e1700270.	10.3	46
20	Design Meets Nature: Tetrahedrite Solar Absorbers. <i>Advanced Energy Materials</i> , 2015, 5, 1401506.	19.5	45
21	Synthesis, structure, and optical properties of BiCuOCh (Ch=S, Se, and Te). <i>Journal of Solid State Chemistry</i> , 2012, 187, 15-19.	2.9	44
22	Role of lone pair electrons in determining the optoelectronic properties of BiCuOSe. <i>Physical Review B</i> , 2012, 85, .	3.2	42
23	New CuM ₂ /3Sb ₁ /3O ₂ and AgM ₂ /3Sb ₁ /3O ₂ compounds with the delafossite structure. <i>Solid State Sciences</i> , 2002, 4, 787-792.	3.2	40
24	Gap modulation in MCu[Q _{1-x} Q _{2x}]F (M=Ba, Sr; Q, Q ² =S, Se, Te) and related materials. <i>Thin Solid Films</i> , 2003, 445, 288-293.	1.8	40
25	Determination of the Cooper-pair mass in niobium. <i>Physical Review B</i> , 1990, 42, 7885-7893.	3.2	39
26	Paradigms in Physics: A new upper-division curriculum. <i>American Journal of Physics</i> , 2001, 69, 978-990.	0.7	38
27	P-type conductivity in transparent oxides and sulfide fluorides. <i>Journal of Solid State Chemistry</i> , 2003, 175, 34-38.	2.9	38
28	pin double-heterojunction thin-film solar cell p-layer assessment. <i>Solar Energy Materials and Solar Cells</i> , 2009, 93, 1296-1308.	6.2	38
29	Thin film preparation and characterization of wide band gap Cu ₃ TaQ ₄ (Q = S or Se) p-type semiconductors. <i>Thin Solid Films</i> , 2009, 517, 2473-2476.	1.8	35
30	Valence band structure of BaCuSF and BaCuSeF. <i>Journal of Applied Physics</i> , 2006, 100, 083705.	2.5	31
31	Structure and physical properties of BaCuTeF. <i>Journal of Solid State Chemistry</i> , 2007, 180, 1672-1677.	2.9	30
32	Structural and electronic modification of photovoltaic SnS by alloying. <i>Journal of Applied Physics</i> , 2014, 115, .	2.5	29
33	Ellipsometric spectra of YBa ₂ Cu ₃ O ₇ in the 1.7 - 5.3 eV range. <i>Solid State Communications</i> , 1988, 66, 1071-1075.	1.9	26
34	Transparent p-n Heterojunction Thin Film Diodes. <i>Materials Research Society Symposia Proceedings</i> , 2001, 666, 411.	0.1	24
35	Structural and transport properties of CuSc _{1-x} Mg _x O _{2+y} delafossites. <i>Journal of Applied Physics</i> , 2004, 96, 6188-6194.	2.5	23
36	Synthesis and characterization of Sn ²⁺ oxides with the pyrochlore structure. <i>Materials Research Bulletin</i> , 2008, 43, 1943-1948.	5.2	23

#	ARTICLE	IF	CITATIONS
37	http://www.w3.org/1998/Math/MathML $\langle \text{BaCu} \rangle \langle C \rangle \langle h \rangle \langle F \rangle$	3.2	23
38	Pulsed laser deposition of BiCuOSe thin films. Applied Physics A: Materials Science and Processing, 2011, 102, 485-492.	2.3	23
39	p-Type zinc oxide powders. Solid State Sciences, 2007, 9, 613-618.	3.2	21
40	Electrical and optical properties of epitaxial transparent conductive BaCuTeF thin films deposited by pulsed laser deposition. Solid State Sciences, 2008, 10, 921-927.	3.2	21
41	Tunable properties of wide-band gap p-type BaCu(Ch _{1-x} Ch ₂)F (Ch = S, Se, Te) thin-film solid solutions. Thin Solid Films, 2010, 518, 5494-5500.	1.8	21
42	Electronic structure and excitonic absorption in $\langle \text{BaCu} \rangle \langle C \rangle \langle h \rangle \langle F \rangle$	3.2	21
43	Scaling of thin-film Nd _{1.85} Ce _{0.15} CuO ₄ 's resistivity-current isotherms at low fields: Implications for vortex phase transitions and universality. Physical Review B, 1995, 51, 15281-15285.	3.2	20
44	Using heterostructural alloying to tune the structure and properties of the thermoelectric Sn _{1-x} Ca _x Se. Journal of Materials Chemistry A, 2017, 5, 16873-16882.	10.3	19
45	Precise determination of h/me using a rotating, superconducting ring. Physical Review B, 1985, 31, 7006-7011.	3.2	18
46	Preparation and characterization of YBCO thin films on silicon. Journal of the Less Common Metals, 1989, 151, 311-316.	0.8	15
47	Representations for a spins-first approach to quantum mechanics. , 2012, , .		15
48	Selective brookite polymorph formation related to the amorphous precursor state in TiO ₂ thin films. Journal of Non-Crystalline Solids, 2019, 505, 109-114.	3.1	13
49	Electronic properties of BaCuChF (Ch=S,Se,Te) surfaces and BaCuSeF/ZnTe interfaces. Journal of Applied Physics, 2010, 107, .	2.5	12
50	Neutron-irradiation effects on the V-I characteristics of YBa ₂ Cu ₃ O _{7-δ} twinned crystals: Linking transport results in a variety of copper oxide superconductors. Physical Review B, 1997, 55, R8713-R8716.	3.2	11
51	Integrating computational activities into the upper-level Paradigms in Physics curriculum at Oregon State University. American Journal of Physics, 2008, 76, 340-346.	0.7	11
52	Low-frequency noise reduction in SQUID measurements using a laser-driven superconducting switch. Part A: Direct input circuit switching. Review of Scientific Instruments, 1989, 60, 202-208.	1.3	10
53	Crystallization of TiO ₂ polymorphs from RF-sputtered, amorphous thin-film precursors. AIP Advances, 2020, 10, 025109.	1.3	10
54	Band alignment at the BaCuSeF/ZnTe interface. Applied Physics Letters, 2010, 96, 162110.	3.3	9

#	ARTICLE	IF	CITATIONS
55	Nuclear quadrupole resonance studies of transparent conducting oxides. Solid State Nuclear Magnetic Resonance, 2004, 26, 209-214.	2.3	8
56	Templated Growth of Metastable Polymorphs on Amorphous Substrates with Seed Layers. Physical Review Applied, 2020, 13, .	3.8	7
57	The resistive transition of superconducting Nd _{2-x} Ce _x CuO ₄ films. Physica C: Superconductivity and Its Applications, 1992, 193, 207-211.	1.2	6
58	Incorporation of hyperfine probes into the thin film superconductor YBa ₂ Cu ₃ O ₇ during deposition. Applied Physics Letters, 1993, 63, 3224-3226.	3.3	6
59	High-Tc films by thermal co-evaporation: First phonon experiments. Physica C: Superconductivity and Its Applications, 1988, 153-155, 1451-1452.	1.2	5
60	Red electroluminescence from ZnGaS:Mn thin films. Applied Physics Letters, 1999, 75, 2353-2355.	3.3	5
61	Title is missing!, 1997, 110, 271-286.		4
62	Electrical and optical properties of PbCu ₂ O ₂ . Solid State Communications, 2002, 122, 295-297.	1.9	4
63	Amorphous-to-crystalline transition of thin-film TiO ₂ precursor films to brookite, anatase, and rutile polymorphs. Journal of Materials Research, 2022, 37, 1135-1143.	2.6	4
64	Evidence for three-dimensional flux creep in thin-film Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review B, 1995, 52, 3776-3783.	3.2	3
65	Interdiffusion at the BaCuSeF/ZnTe interface. Thin Solid Films, 2011, 519, 7369-7373.	1.8	3
66	Far infrared transmission of YBCO films deposited on Si substrate. Solid State Communications, 1989, 72, 681-684.	1.9	2
67	Tetragonal-orthorhombic phase transition in YBaCuO thin films observed by perturbed angular correlation spectroscopy. Journal of Materials Research, 1998, 13, 947-953.	2.6	2
68	Transparent electronics and prospects for transparent displays. , 2003, , .		2
69	Thermal conductivity of amorphous thin-film Al ₂ O ₃ on silicon. Thin Solid Films, 2013, 548, 225-229.	1.8	2
70	Absolute measurement of the diameter of a fused quartz hemisphere at 6 K. Review of Scientific Instruments, 1989, 60, 985-992.	1.3	1
71	Oxygen dynamics in epitaxial YBa ₂ Cu ₃ O ₇ thin films. , 1999, 120/121, 325-329.		1
72	YBaCuO films on silicon substrates: Fabrication, characterization, and use as phonon detectors.. Physica C: Superconductivity and Its Applications, 1989, 162-164, 389-390.	1.2	0

#	ARTICLE	IF	CITATIONS
73	Field dependence of the current-voltage characteristics of thin-film YBaCuO at low magnetic fields. Physica B: Condensed Matter, 1994, 194-196, 1889-1890.	2.7	0
74	High Electron Mobility W-doped In ₂ O ₃ Thin Films. Materials Research Society Symposia Proceedings, 2005, 905, 1.	0.1	0
75	Determination of \hbar/m^* Using a Rotating Niobium Ring. Japanese Journal of Applied Physics, 1987, 26, 1689.	1.5	0
76	PREPARATION AND CHARACTERIZATION OF YBCO THIN FILMS ON SILICON. , 1989, , 311-316.		0