

# Catherine Bougerol

## List of Publications by Year in descending order

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288  
papers

8,837  
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41258

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293  
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Structure of the 100 K Superconductor $\text{Ba}_{2}\text{YCu}_{3}\text{O}_{7-x}$ between (5) Tj ETQq1.1 0.784314 rgBf 558	0.7	558
2	Structure determination of the new high-temperature superconductor $\text{Y}_{2}\text{Ba}_{4}\text{Cu}_{7}\text{O}_{14+x}$ . <i>Nature</i> , 1988, 334, 596-598.	13.7	290
3	The synthesis and characterization of the $\text{HgBa}_{2}\text{Ca}_{2}\text{Cu}_{3}\text{O}_{8+\delta}$ and $\text{HgBa}_{2}\text{Ca}_{3}\text{Cu}_{4}\text{O}_{10+\delta}$ phases. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 215, 1-10.	0.6	246
4	The crystal structure of superconducting $\text{La}_{2}\text{CuO}_{4.032}$ by neutron diffraction. <i>Physica C: Superconductivity and Its Applications</i> , 1989, 158, 183-191.	0.6	214
5	M-Plane Core-Shell InGaN/GaN Multiple-Quantum-Wells on GaN Wires for Electroluminescent Devices. <i>Nano Letters</i> , 2011, 11, 4839-4845.	4.5	186
6	Flexible Light-Emitting Diodes Based on Vertical Nitride Nanowires. <i>Nano Letters</i> , 2015, 15, 6958-6964.	4.5	172
7	Structural Aspects of the Crystallographic-Magnetic Transition in $\text{LaVO}_{3}$ around 140 K. <i>Journal of Solid State Chemistry</i> , 1993, 106, 253-270.	1.4	171
8	A note on the symmetry and Bi valence of the superconductor $\text{Bi}_{2}\text{Sr}_{2}\text{Ca}_{1}\text{Cu}_{2}\text{O}_{8}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1988, 156, 189-192.	0.6	156
9	Variations of stoichiometry and cell symmetry in $\text{YBa}_{2}\text{Cu}_{3}\text{O}_{7-x}$ with temperature and oxygen pressure. <i>Nature</i> , 1987, 327, 306-308.	13.7	146
10	Oxygen vacancy ordering in $\text{Ba}_{2}\text{YCu}_{3}\text{O}_{7-x}$ around $x=0.5$ . <i>Solid State Communications</i> , 1988, 65, 283-286.	0.9	136
11	Two-phase structural refinement of $\text{La}_{2}\text{CuO}_{4.032}$ at 15 K. <i>Physica C: Superconductivity and Its Applications</i> , 1990, 170, 87-94.	0.6	130
12	Subnanosecond spectral diffusion measurement using photon correlation. <i>Nature Photonics</i> , 2010, 4, 696-699.	15.6	123
13	Bismuth valence order-disorder study in $\text{BaBiO}_{3}$ by powder neutron diffraction. <i>Solid State Communications</i> , 1988, 65, 1363-1369.	0.9	122
14	Oxygen-vacancy ordering in the $\text{Ba}_{2}\text{YCu}_{3}\text{O}_{7-x}$ ( $0 \leq x \leq 1$ ) superconducting system. <i>Physical Review B</i> , 1987, 36, 7118-7120.	1.1	116
15	Near infrared quantum cascade detector in $\text{GaN}/\text{AlGaIn}/\text{AlN}$ heterostructures. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	116
16	Structures of superconducting $\text{Ba}_{2}\text{YCu}_{3}\text{O}_{7-x}$ and semiconducting $\text{Ba}_{2}\text{YCu}_{3}\text{O}_{6}$ between $25^{\circ}\text{C}$ and $750^{\circ}\text{C}$ . <i>Solid State Communications</i> , 1987, 64, 301-307.	0.9	109
17	Discovery of a second family of bismuth-oxide-based superconductors. <i>Nature</i> , 1997, 390, 148-150.	13.7	105
18	A High-Temperature Single-Photon Source from Nanowire Quantum Dots. <i>Nano Letters</i> , 2008, 8, 4326-4329.	4.5	104

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19	Powder X-ray and neutron diffraction study of the superconductor Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> . Physica C: Superconductivity and Its Applications, 1988, 153-155, 623-624.	0.6	102
20	Exciton and Biexciton Luminescence from Single GaN/AlN Quantum Dots in Nanowires. Nano Letters, 2008, 8, 2092-2096.	4.5	97
21	Structural and optical properties of InGaN/GaN nanowire heterostructures grown by PA-MBE. Nanotechnology, 2011, 22, 075601.	1.3	97
22	Magnetic and electric properties of La <sup>1.17</sup> MnO <sub>3</sub> . Physical Review B, 1999, 59, 1304-1310.	1.1	96
23	Polarity of GaN nanowires grown by plasma-assisted molecular beam epitaxy on Si(111). Physical Review B, 2011, 84, .	1.1	95
24	Evidence for quantum-confined Stark effect in GaN/AlN quantum dots in nanowires. Physical Review B, 2009, 80, .	1.1	94
25	Crystal structure of Y <sub>0.9</sub> Ba <sub>2.1</sub> Cu <sub>3</sub> O <sub>6</sub> , a compound related to the high-T <sub>c</sub> superconductor YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Nature, 1987, 327, 687-689.	13.7	92
26	A new HTSC family: the copper analogs of the single-layer Hg or Tl copper oxide superconductors. Physica C: Superconductivity and Its Applications, 1994, 222, 52-56.	0.6	92
27	Flexible White Light Emitting Diodes Based on Nitride Nanowires and Nanophosphors. ACS Photonics, 2016, 3, 597-603.	3.2	89
28	Synthesis and neutron powder diffraction study of the superconductor HgBa <sub>2</sub> CaCu <sub>2</sub> O <sub>6+δ</sub> before and after heat treatment. Physica C: Superconductivity and Its Applications, 1993, 218, 348-355.	0.6	87
29	GaN/AlGa <sub>n</sub> intersubband optoelectronic devices. New Journal of Physics, 2009, 11, 125023.	1.2	84
30	Nucleation mechanism of GaN nanowires grown on (111) Si by molecular beam epitaxy. Nanotechnology, 2009, 20, 415602.	1.3	83
31	Superstructure of the superconductor Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> by high-resolution electron microscopy. Nature, 1988, 333, 53-54.	13.7	77
32	Neutron powder diffraction study of the crystal structure of HgBa <sub>2</sub> Ca <sub>4</sub> Cu <sub>5</sub> O <sub>12+δ</sub> at room temperature and at 10 K. Physica C: Superconductivity and Its Applications, 1994, 227, 1-9.	0.6	77
33	The structural properties of GaN/AlN core-shell nanocolumn heterostructures. Nanotechnology, 2010, 21, 415702.	1.3	73
34	Oxygen vacancy ordering and non stoichiometry in the Ba <sub>2</sub> YCu <sub>3</sub> O <sub>7-x</sub> superconductors. Materials Research Bulletin, 1987, 22, 1685-1693.	2.7	72
35	Quantum Transport in GaN/AlN Double-Barrier Heterostructure Nanowires. Nano Letters, 2010, 10, 3545-3550.	4.5	71
36	Ultrafast Room Temperature Single-Photon Source from Nanowire-Quantum Dots. Nano Letters, 2012, 12, 2977-2981.	4.5	70

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37	Growth mechanism and properties of InGaN insertions in GaN nanowires. Nanotechnology, 2012, 23, 135703.	1.3	67
38	A family of non-stoichiometric phases based on $\text{Ba}_2\text{YCu}_3\text{O}_{7-x}$ ( $0 \leq x \leq 1$ ). Physica C: Superconductivity and Its Applications, 1988, 156, 455-460.	0.6	67
39	Structural and electronic effects of Sr substitution for Ba in $\text{Y}(\text{Ba}_{1-x}\text{Sr}_x)_2\text{Cu}_3\text{O}_w$ at varying $w$ . Physical Review B, 1998, 58, 15208-15217.	1.1	66
40	Flexible Photodiodes Based on Nitride Core/Shell p-n Junction Nanowires. ACS Applied Materials & Interfaces, 2016, 8, 26198-26206.	4.0	66
41	Growth, structural and optical properties of AlGaN nanowires in the whole composition range. Nanotechnology, 2013, 24, 115704.	1.3	65
42	Two new bulk superconducting phases in the Y-Ba-Cu-O system: $\text{YBa}_2\text{Cu}_3\text{O}_{7+x}$ ( $T_c \approx 40$ K) and $\text{YBa}_2\text{Cu}_4\text{O}_{8+x}$ ( $T_c \approx 80$ K). Journal of the Less Common Metals, 1989, 150, 129-137.	0.9	64
43	Effect of the quantum well thickness on the performance of InGaN photovoltaic cells. Applied Physics Letters, 2014, 105, .	1.5	60
44	The determination of the Bi valence state in $\text{BaBiO}_3$ by neutron powder diffraction data. Solid State Communications, 1985, 56, 829-831.	0.9	58
45	Ultralong and Defect-Free GaN Nanowires Grown by the HVPE Process. Nano Letters, 2014, 14, 559-562.	4.5	58
46	Strain relaxation in short-period polar GaN/AlN superlattices. Journal of Applied Physics, 2009, 106, 013526.	1.1	56
47	The influence of AlN buffer over the polarity and the nucleation of self-organized GaN nanowires. Journal of Applied Physics, 2015, 117, .	1.1	55
48	High-speed operation of GaN/AlGaN quantum cascade detectors at $\lambda = 1.55 \mu\text{m}$ . Applied Physics Letters, 2008, 93, .	1.5	52
49	Oxygen vacancy ordering in the $\text{BaBiO}_3$ system. Solid State Communications, 1985, 56, 833-835.	0.9	51
50	Oxygen vacancy ordering, twinning and Cu substitution in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ . Physica C: Superconductivity and Its Applications, 1988, 153-155, 582-585.	0.6	49
51	Molecular beam epitaxy growth and optical properties of AlN nanowires. Applied Physics Letters, 2010, 96, .	1.5	49
52	Nucleation of GaN nanowires grown by plasma-assisted molecular beam epitaxy: The effect of temperature. Journal of Crystal Growth, 2011, 334, 177-180.	0.7	48
53	Exciton dynamics of a single quantum dot embedded in a nanowire. Physical Review B, 2009, 80, .	1.1	47
54	Elastic strain relaxation in GaN/AlN nanowire superlattice. Physical Review B, 2010, 81, .	1.1	47

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55	<i>In situ</i> study of self-assembled GaN nanowires nucleation on Si(111) by plasma-assisted molecular beam epitaxy. Applied Physics Letters, 2012, 100, .	1.5	47
56	Superstructure of the superconductor Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> by high resolution electron microscopy. Physica C: Superconductivity and Its Applications, 1988, 153-155, 619-620.	0.6	46
57	Twinning in Ba <sub>2</sub> YCu <sub>3</sub> O <sub>6+x</sub> single crystals. Solid State Communications, 1987, 64, 1349-1352.	0.9	44
58	Midinfrared intersubband absorption in GaN/AlGa <sub>N</sub> superlattices on Si(111) templates. Applied Physics Letters, 2009, 95, .	1.5	44
59	Subnanosecond spectral diffusion of a single quantum dot in a nanowire. Physical Review B, 2011, 84, .	1.1	44
60	The superconducting $\delta$ -copper/carbonate cuprates—An electron microscopy study. Physica C: Superconductivity and Its Applications, 1994, 231, 103-108.	0.6	43
61	Inserting one single Mn ion into a quantum dot. Applied Physics Letters, 2006, 89, 193109.	1.5	43
62	Structure of heavy-metal sorbed birnessite: Part 2. Results from electron diffraction. American Mineralogist, 2002, 87, 1646-1661.	0.9	42
63	<i>M</i> -Plane GaN/InAlN Multiple Quantum Wells in Core–Shell Wire Structure for UV Emission. ACS Photonics, 2014, 1, 38-46.	3.2	42
64	Enhancement of T <sub>c</sub> of $CyCu_{1-y}Ba_2Ca_2Cu_3O_x$ from 67 K to 120 K by reduction treatments. Physica C: Superconductivity and Its Applications, 1996, 266, 215-222.	0.6	40
65	The Fine Structure of YCuO <sub>2+x</sub> Delafossite Determined by Synchrotron Powder Diffraction and Electron Microscopy. Journal of Solid State Chemistry, 2001, 156, 428-436.	1.4	39
66	PbMnO <sub>2.75</sub> —a high-pressure phase having a new type of crystallographic shear structure derived from perovskite. Journal of Solid State Chemistry, 2002, 169, 131-138.	1.4	39
67	Investigation of Photovoltaic Properties of Single Core–Shell GaN/InGa <sub>N</sub> Wires. ACS Applied Materials & Interfaces, 2015, 7, 21898-21906.	4.0	39
68	Synthesis and crystal structure of BaSrCuO <sub>2+x</sub> ·CO <sub>3</sub> . Physica C: Superconductivity and Its Applications, 1992, 195, 335-344.	0.6	38
69	High-pressure synthesis and heat treatments of the HgBa <sub>2</sub> Ca <sub>4</sub> Cu <sub>5</sub> O <sub>12+<math>\delta</math></sub> and HgBa <sub>2</sub> Ca <sub>5</sub> Cu <sub>6</sub> O <sub>14+<math>\delta</math></sub> phases. Physica C: Superconductivity and Its Applications, 1996, 256, 1-7.	0.6	38
70	Catalyst-free growth of high-optical quality GaN nanowires by metal-organic vapor phase epitaxy. Applied Physics Letters, 2011, 99, .	1.5	38
71	Electron microscopy of superconducting Pb <sub>2</sub> Sr <sub>2</sub> Y <sub>1-x</sub> Ca <sub>x</sub> Cu <sub>3</sub> O <sub>8</sub> . Physica C: Superconductivity and Its Applications, 1989, 157, 509-514.	0.6	37
72	High pressure synthesis and structural study of R <sub>2</sub> CuO <sub>4</sub> compounds with R = Y, Tb, Dy, Ho, Er, Tm. Physica C: Superconductivity and Its Applications, 1992, 193, 178-188.	0.6	37

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73	Atomic structure and defect structure of the superconducting $\text{HgBa}_2\text{Can}^{n+1}\text{Cu}_n\text{O}_{2n+2}\text{I}^{\prime}$ homologous series. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 223, 219-226.	0.6	37
74	Fe and Co Nanowires and Nanotubes Synthesized by Template Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2003, 150, E468.	1.3	37
75	Anisotropic morphology of nonpolar a-plane GaN quantum dots and quantum wells. <i>Journal of Applied Physics</i> , 2007, 102, 074304.	1.1	37
76	$\text{Pb}_3\text{Sr}_3\text{Cu}_3\text{O}_8\text{I}^{\prime}\text{Cl}$ : A new layered copper oxychloride. <i>Physica C: Superconductivity and Its Applications</i> , 1990, 167, 67-74.	0.6	36
77	Carrier Density Dependence of Magnetoresistance in $\text{Tl}_2\text{Mn}_2\text{Ru}_x\text{O}_7$ Pyrochlores. <i>Physical Review Letters</i> , 1999, 83, 2022-2025.	2.9	36
78	Defect-free ZnSe nanowire and nanoneedle nanostructures. <i>Applied Physics Letters</i> , 2008, 93, 143106.	1.5	34
79	Structural and optical properties of $\text{Al}_x\text{Ga}_{1-x}\text{N}$ nanowires. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 868-873.	1.2	32
80	Catalyst-assisted hydride vapor phase epitaxy of GaN nanowires: exceptional length and constant rod-like shape capability. <i>Nanotechnology</i> , 2012, 23, 405601.	1.3	30
81	Suppression of superconductivity in Hg-1223 and Hg-1234 by partial replacement of Hg by carbon. <i>Physica C: Superconductivity and Its Applications</i> , 1995, 243, 222-232.	0.6	28
82	Metal organic vapour-phase epitaxy growth of GaN wires on Si (111) for light-emitting diode applications. <i>Nanoscale Research Letters</i> , 2013, 8, 61.	3.1	28
83	Intrinsic limits governing MBE growth of Ga-assisted GaAs nanowires on Si(111). <i>Journal of Crystal Growth</i> , 2013, 364, 118-122.	0.7	28
84	High Lateral Breakdown Voltage in Thin Channel AlGaIn/GaN High Electron Mobility Transistors on AlN/Sapphire Templates. <i>Micromachines</i> , 2019, 10, 690.	1.4	28
85	The structure of superconducting $\text{Pb}_2\text{Sr}_2\text{Y}_0.73\text{Ca}_0.27\text{Cu}_3\text{O}_8$ by single-crystal neutron diffraction. <i>Physica C: Superconductivity and Its Applications</i> , 1991, 175, 293-300.	0.6	27
86	Zero resistance around 250 K in superconducting Hg-compounds?. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1994, 184, 215-217.	0.9	27
87	Elastic and surface energies: Two key parameters for CdSe quantum dot formation. <i>Applied Physics Letters</i> , 2006, 88, 233103.	1.5	27
88	Towards vertical coupling of CdTe/ZnTe quantum dots formed by a high temperature tellurium induced process. <i>Journal of Crystal Growth</i> , 2011, 335, 28-30.	0.7	27
89	Terahertz absorbing AlGaIn/GaN multi-quantum-wells: Demonstration of a robust 4-layer design. <i>Applied Physics Letters</i> , 2013, 103, 091108.	1.5	27
90	Electron beam induced superstructure in $\text{Ba}_{1-x}\text{K}_x\text{BiO}_3$ . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 157, 228-236.	0.6	26

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91	Nonpolar <i>m</i> -plane GaN/AlGa <sub>n</sub> heterostructures with intersubband transitions in the 5–10 THz band. <i>Nanotechnology</i> , 2015, 26, 435201.	1.3	26
92	Intersubband transitions in nonpolar GaN/Al(Ga) <sub>n</sub> heterostructures in the short- and mid-wavelength infrared regions. <i>Journal of Applied Physics</i> , 2015, 118, 014309.	1.1	26
93	Green Electroluminescence from Radial <i>m</i> -Plane InGa <sub>n</sub> Quantum Wells Grown on GaN Wire Sidewalls by Metal-Organic Vapor Phase Epitaxy. <i>ACS Photonics</i> , 2018, 5, 4330-4337.	3.2	26
94	Si Doping of Vapor-Liquid-Solid GaAs Nanowires: n-Type or p-Type?. <i>Nano Letters</i> , 2019, 19, 4498-4504.	4.5	26
95	Electron microscopy study of the new high T <sub>c</sub> phase Y <sub>2</sub> Ba <sub>4</sub> Cu <sub>7</sub> O <sub>14+x</sub> . <i>Solid State Communications</i> , 1989, 70, 275-278.	0.9	25
96	Electrochemical synthesis and characterization of superconducting Ba <sub>1-x</sub> K <sub>x</sub> BiO <sub>3</sub> single crystals. <i>Solid State Communications</i> , 1991, 78, 967-969.	0.9	25
97	The superconducting HgBa <sub>2</sub> Ca <sub>n-1</sub> Cu <sub>n</sub> O <sub>2n+2</sub> homologous series. <i>Physica B: Condensed Matter</i> , 1994, 197, 570-578.	1.3	25
98	Structure of LaCuO <sub>2.66</sub> : an oxidized delafossite compound containing hole-doped kagome planes of Cu <sup>2+</sup> cations. <i>Solid State Sciences</i> , 2003, 5, 1095-1104.	1.5	25
99	Pseudo-square AlGa <sub>n</sub> /Ga <sub>n</sub> quantum wells for terahertz absorption. <i>Applied Physics Letters</i> , 2014, 105, 131106.	1.5	25
100	Synthesis, structure, and resistivity properties of K <sub>1-x</sub> Ba <sub>x</sub> NbO <sub>3</sub> (0.2 ≤ x ≤ 0.5) and K <sub>0.5</sub> Sr <sub>0.5</sub> NbO <sub>3</sub> . <i>Materials Research Bulletin</i> , 1995, 30, 1379-1386.	2.7	24
101	Anisotropic strain relaxation in a-plane GaN quantum dots. <i>Journal of Applied Physics</i> , 2007, 101, 063541.	1.1	24
102	Probing alloy composition gradient and nanometer-scale carrier localization in single AlGa <sub>n</sub> nanowires by nanocathodoluminescence. <i>Nanotechnology</i> , 2013, 24, 305703.	1.3	24
103	Dependence of the photovoltaic performance of pseudomorphic InGa <sub>n</sub> /Ga <sub>n</sub> multiple-quantum-well solar cells on the active region thickness. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	24
104	Mercury-based copper mixed-oxide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 21-24.	0.6	23
105	Photovoltaic Response of InGa <sub>n</sub> /Ga <sub>n</sub> Multiple-Quantum Well Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 08JH05.	0.8	22
106	Circumventing the miscibility gap in InGa <sub>n</sub> nanowires emitting from blue to red. <i>Nanotechnology</i> , 2018, 29, 465602.	1.3	22
107	Gold substitution in mercury cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996, 262, 151-158.	0.6	21
108	Unit-cell intergrowth of pyrochlore and hexagonal tungsten bronze structures in secondary tungsten minerals. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3860-3869.	1.4	21

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109	Optimization of superconductivity in the high-pressure Sr-Ca-Cu-O system. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 228, 63-72.	0.6	20
110	High pressure synthesis and properties of the $\text{HgBa}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_{2n+2+\delta}$ ( $n=1\sim 6$ ) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 146-149.	0.6	20
111	Synthesis and structure investigation of the $\text{Pb}_3\text{V}(\text{PO}_4)_3$ eulytite. <i>Journal of Solid State Chemistry</i> , 2005, 178, 3715-3721.	1.4	20
112	The structural properties of GaN insertions in GaN/AlN nanocolumn heterostructures. <i>Nanotechnology</i> , 2009, 20, 295706.	1.3	20
113	Optical properties of single ZnTe nanowires grown at low temperature. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	20
114	$\text{AuBa}_2(\text{Y}_{1-x}\text{Ca}_x)\text{Cu}_2\text{O}_7$ : a new superconducting gold cuprate with $T_c$ above 80 K. <i>Physica C: Superconductivity and Its Applications</i> , 1997, 276, 237-244.	0.6	19
115	Optical spectroscopy of cubic GaN in nanowires. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	19
116	Ordering of $\text{Pd}^{2+}$ and $\text{Pd}^{4+}$ in the Mixed-Valent Palladate $\text{K}_2\text{Pd}_2\text{O}_3$ . <i>Inorganic Chemistry</i> , 2010, 49, 1295-1297.	1.9	19
117	$\text{Cu}_2\text{ZnSn}(\text{S}_{1-x}\text{Se}_x)_4$ thin films for photovoltaic applications: Influence of the precursor stacking order on the selenization process. <i>Journal of Alloys and Compounds</i> , 2014, 588, 310-315.	2.8	19
118	InGaN nanowires with high InN molar fraction: growth, structural and optical properties. <i>Nanotechnology</i> , 2016, 27, 195704.	1.3	19
119	Dopant radial inhomogeneity in Mg-doped GaN nanowires. <i>Nanotechnology</i> , 2018, 29, 255706.	1.3	19
120	Oxygen stoichiometry and superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ and $\text{Pb}_2\text{Sr}_2\text{Y}_{1-x}\text{Ca}_x\text{O}_{8+\delta}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 281-284.	0.6	18
121	Growth of m-plane GaN quantum wires and quantum dots on m-plane 6H-SiC. <i>Journal of Applied Physics</i> , 2007, 102, 074913.	1.1	18
122	Optical properties of m-plane GaN quantum dots and quantum wires. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	18
123	Improved conversion efficiency of as-grown InGaN/GaN quantum-well solar cells for hybrid integration. <i>Applied Physics Express</i> , 2014, 7, 032301.	1.1	18
124	Role of Underlayer for Efficient Core-Shell InGaN QWs Grown on <i>m</i> -plane GaN Wire Sidewalls. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19092-19101.	4.0	18
125	Structural aspects of the phase separation in $\text{La}_2\text{CuO}_{4.032}$ . <i>Physica C: Superconductivity and Its Applications</i> , 1989, 162-164, 57-58.	0.6	17
126	Crystal structure of the double-hg-layer copper oxide superconductor $(\text{Hg}, \text{Pr})_2\text{Ba}_2(\text{Y}, \text{Ca})\text{Cu}_2\text{O}_{8+\delta}$ as a function of doping. <i>Journal of Physics and Chemistry of Solids</i> , 1995, 56, 1471-1478.	1.9	17



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127	Measuring local lattice polarity in AlN and GaN by high resolution Z-contrast imaging: The case of (0001) and (11 $\bar{2}$ 00) GaN quantum dots. Applied Physics Letters, 2008, 92, .	1.5	17
128	Composition Analysis of III-Nitrides at the Nanometer Scale: Comparison of Energy Dispersive X-ray Spectroscopy and Atom Probe Tomography. Nanoscale Research Letters, 2016, 11, 461.	3.1	17
129	Effect of doping on the far-infrared intersubband transitions in nonpolar $m$ -plane GaN/AlGaIn heterostructures. Nanotechnology, 2016, 27, 145201.	1.3	16
130	UV Emission from GaN Wires with $m$ -Plane Core-Shell GaN/AlGaIn Multiple Quantum Wells. ACS Applied Materials & Interfaces, 2020, 12, 44007-44016.	4.0	16
131	High pressure synthesis and structural study of R <sub>2</sub> CUO <sub>4</sub> compounds with R=Y,TB,DY,HO,ER,TM. Physica C: Superconductivity and Its Applications, 1991, 185-189, 539-540.	0.6	15
132	Evolution of structure and superconductivity with lithium content in Li $x$ Ti <sub>2</sub> O <sub>4</sub> . Journal of Alloys and Compounds, 1993, 195, 81-84.	2.8	15
133	Pressure effects in high temperature superconductors. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2093-2094.	0.6	15
134	Synthesis, neutron diffraction study and cation substitutions in Sr $n-1$ Cu $n$ +1O $2n$ (n = 3, 5). Physica C: Superconductivity and Its Applications, 1997, 276, 139-146.	0.6	15
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