

Catherine Bougerol

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#	Paper	IF	Citations
274	Structure of the 100 K Superconductor Ba ₂ YCu ₃ O ₇ between (5 × 300) K by Neutron Powder Diffraction. <i>Europhysics Letters</i> , 1987 , 3, 1301-1307	1.6	530
273	Structure determination of the new high-temperature superconductor Y ₂ Ba ₄ Cu ₇ O _{14+x} . <i>Nature</i> , 1988 , 334, 596-598	50.4	266
272	The synthesis and characterization of the HgBa ₂ Ca ₂ Cu ₃ O _{8+δ} and HgBa ₂ Ca ₃ Cu ₄ O _{10+δ} phases. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 215, 1-10	1.3	221
271	The crystal structure of superconducting La ₂ CuO _{4.032} by neutron diffraction. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 158, 183-191	1.3	200
270	M-plane core-shell InGaN/GaN multiple-quantum-wells on GaN wires for electroluminescent devices. <i>Nano Letters</i> , 2011 , 11, 4839-45	11.5	172
269	Structural Aspects of the Crystallographic-Magnetic Transition in LaVO ₃ around 140 K. <i>Journal of Solid State Chemistry</i> , 1993 , 106, 253-270	3.3	151
268	Flexible Light-Emitting Diodes Based on Vertical Nitride Nanowires. <i>Nano Letters</i> , 2015 , 15, 6958-64	11.5	149
267	A note on the symmetry and Bi valence of the superconductor Bi ₂ Sr ₂ Ca ₁ Cu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 156, 189-192	1.3	146
266	Variations of stoichiometry and cell symmetry in YBa ₂ Cu ₃ O _{7-δ} with temperature and oxygen pressure. <i>Nature</i> , 1987 , 327, 306-308	50.4	138
265	Oxygen vacancy ordering in Ba ₂ YCu ₃ O _{7-δ} around x= 0.5. <i>Solid State Communications</i> , 1988 , 65, 283-286	1.6	127
264	Two-phase structural refinement of La ₂ CuO _{4.032} at 15 K. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 170, 87-94	1.3	122
263	Bismuth valence order-disorder study in BaBiO ₃ by powder neutron diffraction. <i>Solid State Communications</i> , 1988 , 65, 1363-1369	1.6	111
262	Oxygen-vacancy ordering in the Ba ₂ YCu. <i>Physical Review B</i> , 1987 , 36, 7118-7120	3.3	110
261	Structures of superconducting Ba ₂ YCu ₃ O _{7-δ} and semiconducting Ba ₂ YCu ₃ O ₆ between 25°C and 750°C. <i>Solid State Communications</i> , 1987 , 64, 301-307	1.6	107
260	Subnanosecond spectral diffusion measurement using photon correlation. <i>Nature Photonics</i> , 2010 , 4, 696-699	33.9	105
259	Powder X-ray and neutron diffraction study of the superconductor Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 153-155, 623-624	1.3	97
258	A high-temperature single-photon source from nanowire quantum dots. <i>Nano Letters</i> , 2008 , 8, 4326-9	11.5	96

257	Structural and optical properties of InGaN/GaN nanowire heterostructures grown by PA-MBE. <i>Nanotechnology</i> , 2011 , 22, 075601	3.4	92
256	Near infrared quantum cascade detector in GaN/AlGaIn heterostructures. <i>Applied Physics Letters</i> , 2008 , 92, 011112	3.4	91
255	Magnetic and electric properties of La _{1-x} MnO ₃ . <i>Physical Review B</i> , 1999 , 59, 1304-1310	3.3	90
254	Polarity of GaN nanowires grown by plasma-assisted molecular beam epitaxy on Si(111). <i>Physical Review B</i> , 2011 , 84,	3.3	89
253	A new HTSC family: the copper analogs of the single-layer Hg or Tl copper oxide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 222, 52-56	1.3	88
252	Evidence for quantum-confined Stark effect in GaN/AlN quantum dots in nanowires. <i>Physical Review B</i> , 2009 , 80,	3.3	87
251	Exciton and biexciton luminescence from single GaN/AlN quantum dots in nanowires. <i>Nano Letters</i> , 2008 , 8, 2092-6	11.5	86
250	Crystal structure of Y _{0.9} Ba _{2.1} Cu ₃ O ₆ , a compound related to the high-T _c superconductor YBa ₂ Cu ₃ O ₇ . <i>Nature</i> , 1987 , 327, 687-689	50.4	86
249	Discovery of a second family of bismuth-oxide-based superconductors. <i>Nature</i> , 1997 , 390, 148-150	50.4	83
248	Nucleation mechanism of GaN nanowires grown on (111) Si by molecular beam epitaxy. <i>Nanotechnology</i> , 2009 , 20, 415602	3.4	78
247	Synthesis and neutron powder diffraction study of the superconductor HgBa ₂ CaCu ₂ O _{6+δ} before and after heat treatment. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 218, 348-355	1.3	76
246	Superstructure of the superconductor Bi ₂ Sr ₂ CaCu ₂ O ₈ by high-resolution electron microscopy. <i>Nature</i> , 1988 , 333, 53-54	50.4	73
245	Flexible White Light Emitting Diodes Based on Nitride Nanowires and Nanophosphors. <i>ACS Photonics</i> , 2016 , 3, 597-603	6.3	72
244	GaN/AlGaIn intersubband optoelectronic devices. <i>New Journal of Physics</i> , 2009 , 11, 125023	2.9	71
243	Quantum transport in GaN/AlN double-barrier heterostructure nanowires. <i>Nano Letters</i> , 2010 , 10, 3545-50.5	50.5	68
242	The structural properties of GaN/AlN core-shell nanocolumn heterostructures. <i>Nanotechnology</i> , 2010 , 21, 415702	3.4	67
241	Oxygen vacancy ordering and non stoichiometry in the Ba ₂ YCu ₃ O _{7-x} superconductors. <i>Materials Research Bulletin</i> , 1987 , 22, 1685-1693	5.1	67
240	Neutron powder diffraction study of the crystal structure of HgBa ₂ Ca ₄ Cu ₅ O _{12+δ} at room temperature and at 10 K. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 227, 1-9	1.3	66

- 239 Growth mechanism and properties of InGaN insertions in GaN nanowires. *Nanotechnology*, **2012**, 23, 135703 63
- 238 Structural and electronic effects of Sr substitution for Ba in $Y(Ba_{1-x}Sr_x)2Cu3O_w$ at varying w. *Physical Review B*, **1998**, 58, 15208-15217 3-3 62
- 237 Two new bulk superconducting phases in the Y-Ba-Cu-O system: $YBa_2Cu_{3.5}O_{7+x}$ (Tc 40 K) and $YBa_2Cu_4O_{8+x}$ (Tc 80 K). *Journal of the Less Common Metals*, **1989**, 150, 129-137 61
- 236 Ultrafast room temperature single-photon source from nanowire-quantum dots. *Nano Letters*, **2012**, 12, 2977-81 11.5 58
- 235 A family of non-stoichiometric phases based on $Ba_2YCu_3O_{7-x}$. *Physica C: Superconductivity and Its Applications*, **1988**, 156, 455-460 1-3 58
- 234 Growth, structural and optical properties of AlGaN nanowires in the whole composition range. *Nanotechnology*, **2013**, 24, 115704 3-4 56
- 233 Flexible Photodiodes Based on Nitride Core/Shell p-n Junction Nanowires. *ACS Applied Materials & Interfaces*, **2016**, 8, 26198-26206 9-5 52
- 232 Ultralong and defect-free GaN nanowires grown by the HVPE process. *Nano Letters*, **2014**, 14, 559-62 11.5 50
- 231 Strain relaxation in short-period polar GaN/AlN superlattices. *Journal of Applied Physics*, **2009**, 106, 013526 5-5 50
- 230 The influence of AlN buffer over the polarity and the nucleation of self-organized GaN nanowires. *Journal of Applied Physics*, **2015**, 117, 245303 2-5 49
- 229 The determination of the Bi valence state in BaBiO₃ by neutron powder diffraction data. *Solid State Communications*, **1985**, 56, 829-831 1-6 48
- 228 Effect of the quantum well thickness on the performance of InGaN photovoltaic cells. *Applied Physics Letters*, **2014**, 105, 131105 3-4 47
- 227 Oxygen vacancy ordering, twinning and Cu substitution in $YBa_2Cu_3O_{6+x}$. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 582-585 1-3 46
- 226 Nucleation of GaN nanowires grown by plasma-assisted molecular beam epitaxy: The effect of temperature. *Journal of Crystal Growth*, **2011**, 334, 177-180 1-6 45
- 225 Molecular beam epitaxy growth and optical properties of AlN nanowires. *Applied Physics Letters*, **2010**, 96, 061912 3-4 45
- 224 Superstructure of the superconductor $Bi_2Sr_2CaCu_2O_8$ by high resolution electron microscopy. *Physica C: Superconductivity and Its Applications*, **1988**, 153-155, 619-620 1-3 45
- 223 Oxygen vacancy ordering in the $BaBiO_3$ system. *Solid State Communications*, **1985**, 56, 833-835 1-6 45
- 222 In situ study of self-assembled GaN nanowires nucleation on Si(111) by plasma-assisted molecular beam epitaxy. *Applied Physics Letters*, **2012**, 100, 212107 3-4 44

221	High-speed operation of GaN/AlGaIn quantum cascade detectors at 1.55 μ m. <i>Applied Physics Letters</i> , 2008 , 93, 193509	3-4	43
220	Twinning in Ba ₂ YCu ₃ O _{6+x} single crystals. <i>Solid State Communications</i> , 1987 , 64, 1349-1352	1-6	42
219	Subnanosecond spectral diffusion of a single quantum dot in a nanowire. <i>Physical Review B</i> , 2011 , 84,	3-3	41
218	Midinfrared intersubband absorption in GaN/AlGaIn superlattices on Si(111) templates. <i>Applied Physics Letters</i> , 2009 , 95, 141911	3-4	41
217	Elastic strain relaxation in GaN/AlN nanowire superlattice. <i>Physical Review B</i> , 2010 , 81,	3-3	41
216	Inserting one single Mn ion into a quantum dot. <i>Applied Physics Letters</i> , 2006 , 89, 193109	3-4	41
215	Exciton dynamics of a single quantum dot embedded in a nanowire. <i>Physical Review B</i> , 2009 , 80,	3-3	39
214	The superconducting Bopper/carbonate cuprates—An electron microscopy study. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 231, 103-108	1-3	39
213	Structure of heavy-metal sorbed birnessite: Part 2. Results from electron diffraction. <i>American Mineralogist</i> , 2002 , 87, 1646-1661	2-9	38
212	M-Plane GaN/InAlN Multiple Quantum Wells in CoreShell Wire Structure for UV Emission. <i>ACS Photonics</i> , 2014 , 1, 38-46	6-3	37
211	PbMnO _{2.75} high-pressure phase having a new type of crystallographic shear structure derived from perovskite. <i>Journal of Solid State Chemistry</i> , 2002 , 169, 131-138	3-3	37
210	Catalyst-free growth of high-optical quality GaN nanowires by metal-organic vapor phase epitaxy. <i>Applied Physics Letters</i> , 2011 , 99, 251910	3-4	36
209	Carrier Density Dependence of Magnetoresistance in Tl ₂ Mn ₂ Ru _x O ₇ Pyrochlores. <i>Physical Review Letters</i> , 1999 , 83, 2022-2025	7-4	36
208	Enhancement of T _c of YBa ₂ Ca ₂ Cu ₃ O _x from 67 K to 120 K by reduction treatments. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 266, 215-222	1-3	36
207	Anisotropic morphology of nonpolar a-plane GaN quantum dots and quantum wells. <i>Journal of Applied Physics</i> , 2007 , 102, 074304	2-5	35
206	Fe and Co Nanowires and Nanotubes Synthesized by Template Electrodeposition. <i>Journal of the Electrochemical Society</i> , 2003 , 150, E468	3-9	35
205	High-pressure synthesis and heat treatments of the HgBa ₂ Ca ₄ Cu ₅ O _{12+δ} and HgBa ₂ Ca ₅ Cu ₆ O _{14+δ} phases. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 256, 1-7	1-3	35
204	Synthesis and crystal structure of BaSrCuO _{2+x} CO ₃ . <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 195, 335-344	1-3	35

203	Electron microscopy of superconducting $\text{Pb}_2\text{Sr}_2\text{Y}_{1-x}\text{Ca}_x\text{Cu}_3\text{O}_8$. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 157, 509-514	1.3	35
202	High pressure synthesis and structural study of R_2CuO_4 compounds with $\text{R} = \text{Y, Tb, Dy, Ho, Er, Tm}$. <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 193, 178-188	1.3	34
201	The Fine Structure of YCuO_{2+x} Delafossite Determined by Synchrotron Powder Diffraction and Electron Microscopy. <i>Journal of Solid State Chemistry</i> , 2001 , 156, 428-436	3.3	33
200	Investigation of Photovoltaic Properties of Single Core-Shell GaN/InGaN Wires. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 21898-906	9.5	32
199	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	2.5	32
198	Defect-free ZnSe nanowire and nanoneedle nanostructures. <i>Applied Physics Letters</i> , 2008 , 93, 143106	3.4	32
197	Atomic structure and defect structure of the superconducting $\text{HgBa}_2\text{Ca}_n\text{Cu}_n\text{O}_{2n+2+x}$ homologous series. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 223, 219-226	1.3	32
196	$\text{Pb}_3\text{Sr}_3\text{Cu}_3\text{O}_8+x\text{Cl}$: A new layered copper oxychloride. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 167, 67-74	1.3	30
195	Catalyst-assisted hydride vapor phase epitaxy of GaN nanowires: exceptional length and constant rod-like shape capability. <i>Nanotechnology</i> , 2012 , 23, 405601	3.4	28
194	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	1.3	27
193	Elastic and surface energies: Two key parameters for CdSe quantum dot formation. <i>Applied Physics Letters</i> , 2006 , 88, 233103	3.4	26
192	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	5	25
191	Terahertz absorbing AlGaIn/GaN multi-quantum-wells: Demonstration of a robust 4-layer design. <i>Applied Physics Letters</i> , 2013 , 103, 091108	3.4	25
190	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	2.3	25
189	Electrochemical synthesis and characterization of superconducting $\text{Ba}_{1-x}\text{K}_x\text{BiO}_3$ single crystals. <i>Solid State Communications</i> , 1991 , 78, 967-969	1.6	25
188	Intersubband transitions in nonpolar GaN/Al(GaN) heterostructures in the short- and mid-wavelength infrared regions. <i>Journal of Applied Physics</i> , 2015 , 118, 014309	2.5	24
187	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	1.3	24
186	Pseudo-square AlGaIn/GaN quantum wells for terahertz absorption. <i>Applied Physics Letters</i> , 2014 , 105, 131106	3.4	23

185	Nonpolar m-plane GaN/AlGaN heterostructures with intersubband transitions in the 5-10 THz band. <i>Nanotechnology</i> , 2015 , 26, 435201	3.4	23
184	Structure of LaCuO _{2.66} : an oxidized delafossite compound containing hole-doped kagome planes of Cu ²⁺ cations. <i>Solid State Sciences</i> , 2003 , 5, 1095-1104	3.4	23
183	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	1.3	23
182	Synthesis, structure, and resistivity properties of K _{1-x} Ba _x NbO ₃ (0.2 ≤ x ≤ 0.5) and K _{0.5} Sr _{0.5} NbO ₃ . <i>Materials Research Bulletin</i> , 1995 , 30, 1379-1386	5.1	23
181	Mercury-based copper mixed-oxide superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 21-24	1.3	23
180	Intrinsic limits governing MBE growth of Ga-assisted GaAs nanowires on Si(111). <i>Journal of Crystal Growth</i> , 2013 , 364, 118-122	1.6	22
179	Probing alloy composition gradient and nanometer-scale carrier localization in single AlGaN nanowires by nanocathodoluminescence. <i>Nanotechnology</i> , 2013 , 24, 305703	3.4	22
178	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	1.6	22
177	Electron microscopy study of the new high T _c phase Y ₂ Ba ₄ Cu ₇ O _{14+x} . <i>Solid State Communications</i> , 1989 , 70, 275-278	1.6	22
176	Photovoltaic Response of InGaN/GaN Multiple-Quantum Well Solar Cells. <i>Japanese Journal of Applied Physics</i> , 2013 , 52, 08JH05	1.4	21
175	Anisotropic strain relaxation in a-plane GaN quantum dots. <i>Journal of Applied Physics</i> , 2007 , 101, 063541	2.5	21
174	The superconducting HgBa ₂ Ca _{n-1} Cu _n O _{2n+2} homologous series. <i>Physica B: Condensed Matter</i> , 1994 , 197, 570-578	2.8	21
173	The structural properties of GaN insertions in GaN/AlN nanocolumn heterostructures. <i>Nanotechnology</i> , 2009 , 20, 295706	3.4	20
172	Gold substitution in mercury cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 262, 151-158	1.3	20
171	Optimization of superconductivity in the high-pressure Sr-Ca-Cu-O system. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 228, 63-72	1.3	19
170	High pressure synthesis and properties of the HgBa ₂ Ca _{n-1} Cu _n O _{2n+2} (n=1-8) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 146-149	1.3	19
169	Cu ₂ ZnSn(S _{1-x} 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	5.7	18
168	AuBa ₂ (Y _{1-x} Ca _x)Cu ₂ 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	1.3	18

167	Growth of m-plane GaN quantum wires and quantum dots on m-plane 6H-SiC. <i>Journal of Applied Physics</i> , 2007 , 102, 074913	2.5	18
166	Synthesis and structure investigation of the Pb ₃ V(PO ₄) ₃ eulytite. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 3715-3721	3.3	18
165	Oxygen stoichiometry and superconductivity in YBa ₂ Cu ₃ O _{6+x} and Pb ₂ Sr ₂ Y _{1-x} Ca _x O _{8+x} . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 281-284	1.3	18
164	Green Electroluminescence from Radial m-Plane InGaN Quantum Wells Grown on GaN Wire Sidewalls by Metal-Organic Vapor Phase Epitaxy. <i>ACS Photonics</i> , 2018 , 5, 4330-4337	6.3	18
163	Si Doping of Vapor-Liquid-Solid GaAs Nanowires: n-Type or p-Type?. <i>Nano Letters</i> , 2019 , 19, 4498-4504	11.5	17
162	Dopant radial inhomogeneity in Mg-doped GaN nanowires. <i>Nanotechnology</i> , 2018 , 29, 255706	3.4	17
161	Improved conversion efficiency of as-grown InGaN/GaN quantum-well solar cells for hybrid integration. <i>Applied Physics Express</i> , 2014 , 7, 032301	2.4	17
160	Optical properties of single ZnTe nanowires grown at low temperature. <i>Applied Physics Letters</i> , 2013 , 103, 222106	3.4	17
159	Optical spectroscopy of cubic GaN in nanowires. <i>Applied Physics Letters</i> , 2010 , 97, 081910	3.4	17
158	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. <i>Applied Physics Letters</i> , 2008 , 92, 201904	3.4	17
157	Crystal structure of the double-hg-layer copper oxide superconductor (Hg, Pr) ₂ Ba ₂ (Y, Ca)Cu ₂ O ₈ as a function of doping. <i>Journal of Physics and Chemistry of Solids</i> , 1995 , 56, 1471-1478	3.9	17
156	Structural aspects of the phase separation in La ₂ CuO _{4.032} . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 57-58	1.3	17
155	High Lateral Breakdown Voltage in Thin Channel AlGaIn/GaN High Electron Mobility Transistors on AlN/Sapphire Templates. <i>Micromachines</i> , 2019 , 10,	3.3	16
154	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	3.3	16
153	Dependence of the photovoltaic performance of pseudomorphic InGaN/GaN multiple-quantum-well solar cells on the active region thickness. <i>Applied Physics Letters</i> , 2016 , 108, 161907	3.4	16
152	Composition Analysis of III-Nitrides at the Nanometer Scale: Comparison of Energy Dispersive X-ray Spectroscopy and Atom Probe Tomography. <i>Nanoscale Research Letters</i> , 2016 , 11, 461	5	15
151	Ordering of Pd(2+) and Pd(4+) in the mixed-valent palladate KPd(2)O(3). <i>Inorganic Chemistry</i> , 2010 , 49, 1295-7	5.1	15
150	Synthesis, neutron diffraction study and cation substitutions in Sr _n Cu _{n+1} O _{2n} (n = 3, 5). <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 276, 139-146	1.3	15

149	Overdoped Hg _{1-x} AuxBa ₂ Ca ₂ Cu ₃ O _{8+x} and the origin of the intrinsic increase of T _c under pressure in mercury cuprates. <i>Physical Review B</i> , 1998 , 57, R5630-R5633	3.3	15
148	Evolution of structure and superconductivity with lithium content in Li _{1-x} Ti ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 1993 , 195, 81-84	5.7	15
147	Pressure effects in high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 2093-2094	1.3	15
146	Atomic arrangement at ZnTe/CdSe interfaces determined by high resolution scanning transmission electron microscopy and atom probe tomography. <i>Applied Physics Letters</i> , 2015 , 106, 051904	3.4	14
145	Strain assisted inter-diffusion in GaN/AlN quantum dots. <i>Journal of Applied Physics</i> , 2013 , 113, 034311	2.5	14
144	50 K enhancement of T _c by pressure in the Hg-2212 superconductor. <i>Solid State Communications</i> , 1997 , 102, 1-5	1.6	14
143	Optical properties of m-plane GaN quantum dots and quantum wires. <i>Journal of Applied Physics</i> , 2008 , 104, 103528	2.5	14
142	Evidence by x-ray diffraction for two apical oxygen sites in a copper-deficient YBa ₂ Cu _{2.78} O ₇ crystal. <i>Physical Review B</i> , 1993 , 47, 3465-3468	3.3	14
141	Structural changes and oxygen stoichiometry in Pb ₂ Sr ₂ Y _{1-x} Ca _x Cu ₃ O _{8+δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 53-54	1.3	14
140	InGaN nanowires with high InN molar fraction: growth, structural and optical properties. <i>Nanotechnology</i> , 2016 , 27, 195704	3.4	14
139	High pressure synthesis and structural study of R ₂ CUO ₄ compounds with R=Y,TB,DY,HO,ER,TM. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 539-540	1.3	13
138	Circumventing the miscibility gap in InGaN nanowires emitting from blue to red. <i>Nanotechnology</i> , 2018 , 29, 465602	3.4	13
137	Role of Underlayer for Efficient Core-Shell InGaN QWs Grown on -plane GaN Wire Sidewalls. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 19092-19101	9.5	12
136	Nordgauite, MnAl ₂ (PO ₄) ₂ (F,OH) ₂ ·H ₂ O, a new mineral from the Hagendorf-SB pegmatite, Bavaria, Germany: description and crystal structure. <i>Mineralogical Magazine</i> , 2011 , 75, 269-278	1.7	12
135	Characterization of spin-state tuning in thermally annealed semiconductor quantum dots. <i>Physical Review B</i> , 2010 , 82,	3.3	12
134	Self-catalyzed GaAs nanowires on silicon by hydride vapor phase epitaxy. <i>Nanotechnology</i> , 2017 , 28, 125602	3.0	11
133	Effect of doping on the far-infrared intersubband transitions in nonpolar m-plane GaN/AlGaIn heterostructures. <i>Nanotechnology</i> , 2016 , 27, 145201	3.4	11
132	Influence of Silicon on the Nucleation Rate of GaAs Nanowires on Silicon Substrates. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19230-19235	3.8	11

131	Overdoped cuprates with high-temperature superconducting transitions. <i>APL Materials</i> , 2013 , 1, 0211035-7	11
130	Epitaxial growth of ZnSe and ZnSe/CdSe nanowires on ZnSe. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010 , 7, 1526-1529	11
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