

Gyu Chul Yi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

225
papers

13,442
citations

57
h-index

112
g-index

260
ext. papers

14,383
ext. citations

6.6
avg, IF

6.36
L-index

#	Paper	IF	Citations
225	Molecular beam epitaxial growth of Sb ₂ Te ₃ Bi ₂ Te ₃ lateral heterostructures. <i>2D Materials</i> , 2022 , 9, 0250069	3.9	2
224	Facet-selective morphology-controlled remote epitaxy of ZnO microcrystals via wet chemical synthesis. <i>Scientific Reports</i> , 2021 , 11, 22697	4.9	1
223	Vertical monolithic integration of wide- and narrow-bandgap semiconductor nanostructures on graphene films. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	3
222	Intracellular gallium nitride microrod laser. <i>NPG Asia Materials</i> , 2021 , 13,	10.3	2
221	Dimensionality reduction and unsupervised clustering for EELS-SI. <i>Ultramicroscopy</i> , 2021 , 231, 113314	3.1	2
220	In search of nano-materials with enhanced secondary electron emission for radiation detectors. <i>Scientific Reports</i> , 2021 , 11, 10517	4.9	0
219	One-dimensional semiconductor nanostructures grown on two-dimensional nanomaterials for flexible device applications. <i>APL Materials</i> , 2021 , 9, 060907	5.7	4
218	Fabrication of piezoresistive Si nanorod-based pressure sensor arrays: A promising candidate for portable breath monitoring devices. <i>Nano Energy</i> , 2021 , 80, 105537	17.1	14
217	Dimension- and position-controlled growth of GaN microstructure arrays on graphene films for flexible device applications. <i>Scientific Reports</i> , 2021 , 11, 17524	4.9	2
216	Synthesis of Atomically Thin h-BN Layers Using BCl and NH by Sequential-Pulsed Chemical Vapor Deposition on Cu Foil.. <i>Nanomaterials</i> , 2021 , 12,	5.4	1
215	Large-scale, single-oriented ZnO nanostructure on h-BN films for flexible inorganic UV sensors. <i>Journal of Applied Physics</i> , 2021 , 130, 223105	2.5	0
214	Individually addressable, high-density vertical nanotube Schottky diode crossbar array. <i>Nano Energy</i> , 2020 , 76, 104955	17.1	3
213	SbSI microrod based flexible photodetectors. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 345106	3	4
212	Bi ₂ Se ₃ thin films heteroepitaxially grown on RuCl ₃ . <i>Physical Review Materials</i> , 2020 , 4,	3.2	1
211	Database on the nonlinear optical properties of graphene based materials. <i>Data in Brief</i> , 2020 , 28, 1050492	4.9	4
210	Unraveling absorptive and refractive optical nonlinearities in CVD grown graphene layers transferred onto a foreign quartz substrate. <i>Applied Surface Science</i> , 2020 , 505, 144392	6.7	10
209	Flexible and monolithically integrated multicolor light emitting diodes using morphology-controlled GaN microstructures grown on graphene films. <i>Scientific Reports</i> , 2020 , 10, 19671.9	4.9	4

208	Scalable tactile sensor arrays on flexible substrates with high spatiotemporal resolution enabling slip and grip for closed-loop robotics. <i>Science Advances</i> , 2020 , 6,	14.3	25
207	Sample pretreatment with graphene materials. <i>Comprehensive Analytical Chemistry</i> , 2020 , 21-47	1.9	7
206	Large Wavelength Response to Pressure Enabled in InGaN/GaN Microcrystal LEDs with 3D Architectures. <i>ACS Photonics</i> , 2020 , 7, 1122-1128	6.3	4
205	Quantum Confinement Induced Excitonic Mechanism in Zinc-Oxide-Nanowalled Microrod Arrays for UVVis Surface-Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24957-24962	3.8	1
204	SbSI whisker/PbI2 flake mixed-dimensional van der Waals heterostructure for photodetection. <i>CrystEngComm</i> , 2019 , 21, 3779-3787	3.3	14
203	Atomic and electronic reconstruction at the van der Waals interface in twisted bilayer graphene. <i>Nature Materials</i> , 2019 , 18, 448-453	27	282
202	GaN microstructure light-emitting diodes directly fabricated on tungsten-metal electrodes using a micro-patterned graphene interlayer. <i>Nano Energy</i> , 2019 , 60, 82-86	17.1	8
201	Study of Chemical Enhancement Mechanism in Non-plasmonic Surface Enhanced Raman Spectroscopy (SERS). <i>Frontiers in Chemistry</i> , 2019 , 7, 582	5	39
200	Self-contained InGaN/GaN micro-crystal arrays as individually addressable multi-color emitting pixels on a deformable substrate. <i>Journal of Alloys and Compounds</i> , 2019 , 803, 826-833	5.7	4
199	Free-standing and ultrathin inorganic light-emitting diode array. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	7
198	Intracellular GaN microrod laser 2019 ,		1
197	Direct observation of quantum tunnelling charge transfers between molecules and semiconductors for SERS. <i>Nanoscale</i> , 2018 , 11, 45-49	7.7	10
196	Vertical ZnO Nanotube Transistor on a Graphene Film for Flexible Inorganic Electronics. <i>Small</i> , 2018 , 14, e1800240	11	12
195	Real-Time Characterization Using in situ RHEED Transmission Mode and TEM for Investigation of the Growth Behaviour of Nanomaterials. <i>Scientific Reports</i> , 2018 , 8, 1694	4.9	19
194	Understanding luminescence properties of grain boundaries in GaN thin films and their atomistic origin. <i>Applied Physics Letters</i> , 2018 , 112, 131901	3.4	4
193	GaAs droplet quantum dots with nanometer-thin capping layer for plasmonic applications. <i>Nanotechnology</i> , 2018 , 29, 205602	3.4	7
192	Millimeter-sized PbI2 flakes and Pb5S2I6 nanowires for flexible photodetectors. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7188-7194	7.1	6
191	Selective-area heteroepitaxial growth of h-BN micropatterns on graphene layers. <i>2D Materials</i> , 2018 , 5, 015021	5.9	3

190	Three-dimensionally-architected GaN light emitting crystals. <i>CrystEngComm</i> , 2017 , 19, 2007-2012	3.3	8
189	ZnO nanotube waveguide arrays on graphene films for local optical excitation on biological cells. <i>APL Materials</i> , 2017 , 5, 046106	5.7	3
188	Flexible resistive random access memory devices by using NiO /GaN microdisk arrays fabricated on graphene films. <i>Nanotechnology</i> , 2017 , 28, 205202	3.4	8
187	Synthesis and characteristics of p-type CdS nanobelts. <i>Materials Research Express</i> , 2017 , 4, 115013	1.7	3
186	Single crystalline ZnO radial homojunction light-emitting diodes fabricated by metalorganic chemical vapour deposition. <i>Nanotechnology</i> , 2017 , 28, 394001	3.4	8
185	Transferable single-crystal GaN thin films grown on chemical vapor-deposited hexagonal BN sheets. <i>NPG Asia Materials</i> , 2017 , 9, e410-e410	10.3	21
184	Self-powered UV-visible photodetector with fast response and high photosensitivity employing an Fe:TiO ₂ /n-Si heterojunction. <i>RSC Advances</i> , 2017 , 7, 51744-51749	3.7	6
183	ZnO nanotube waveguide arrays on graphene films for local optical excitation on biological cells 2017 ,		1
182	Gate-dependent asymmetric transport characteristics in pentacene barristors with graphene electrodes. <i>Nanotechnology</i> , 2016 , 27, 475201	3.4	1
181	Flexible GaN Light-Emitting Diodes Using GaN Microdisks Epitaxial Laterally Overgrown on Graphene Dots. <i>Advanced Materials</i> , 2016 , 28, 7688-94	24	58
180	Microtube Light-Emitting Diode Arrays with Metal Cores. <i>ACS Nano</i> , 2016 , 10, 3114-20	16.7	12
179	Electrical characterization of benzenedithiolate molecular electronic devices with graphene electrodes on rigid and flexible substrates. <i>Nanotechnology</i> , 2016 , 27, 145301	3.4	10
178	Scalable ZnO nanotube arrays grown on CVD-graphene films. <i>APL Materials</i> , 2016 , 4, 106104	5.7	16
177	Distinctive mapping of strain and quantum size effects using depth-resolved photoluminescence in ZnO nanoneedles. <i>AIP Advances</i> , 2016 , 6, 045021	1.5	1
176	Centimeter-sized epitaxial h-BN films. <i>NPG Asia Materials</i> , 2016 , 8, e330-e330	10.3	22
175	Real-time device-scale imaging of conducting filament dynamics in resistive switching materials. <i>Scientific Reports</i> , 2016 , 6, 27451	4.9	9
174	Luminescence dynamics of bound exciton of hydrogen doped ZnO nanowires. <i>Journal of Luminescence</i> , 2016 , 176, 278-282	3.8	7
173	Direct observation of Li diffusion in Li-doped ZnO nanowires. <i>Materials Research Express</i> , 2016 , 3, 054001	1.7	6

172	Molecular beam epitaxial growth and electronic transport properties of high quality topological insulator Bi ₂ Se ₃ thin films on hexagonal boron nitride. <i>2D Materials</i> , 2016 , 3, 035029	5.9	22
171	Nanoscale Single-Element Color Filters. <i>Nano Letters</i> , 2015 , 15, 5938-43	11.5	18
170	Growth and optical characteristics of high-quality ZnO thin films on graphene layers. <i>APL Materials</i> , 2015 , 3, 016103	5.7	18
169	Catalyst-free growth of InAs/In _x Ga _{1-x} As coaxial nanorod heterostructures on graphene layers using molecular beam epitaxy. <i>NPG Asia Materials</i> , 2015 , 7, e206-e206	10.3	12
168	Enhanced Second Harmonic Generation by Coupling to Exciton Ensembles in Ag-coated ZnO Nanorods. <i>ACS Photonics</i> , 2015 , 2, 1314-1319	6.3	21
167	Emission color-tuned light-emitting diode microarrays of nonpolar In _x Ga _(1-x) N/GaN multishell nanotube heterostructures. <i>Scientific Reports</i> , 2015 , 5, 18020	4.9	14
166	Position-Controlled Selective Growth of ZnO Nanostructures and Their Heterostructures. <i>Semiconductors and Semimetals</i> , 2015 , 173-229	0.6	2
165	B21-P-05 Characterization of In _x Ga _(1-x) As/InAs Coaxial Nanorod Grown on Graphene Layers by Catalyst-Free Molecular Beam Epitaxy. <i>Microscopy (Oxford, England)</i> , 2015 , 64, i99.2-i99	1.3	
164	Growth and characterizations of GaN micro-rods on graphene films for flexible light emitting diodes. <i>APL Materials</i> , 2014 , 2, 092512	5.7	86
163	High-resolution observation of nucleation and growth behavior of nanomaterials using a graphene template. <i>Advanced Materials</i> , 2014 , 26, 2011-5	24	17
162	Metal catalyst-assisted growth of GaN nanowires on graphene films for flexible photocatalyst applications. <i>Current Applied Physics</i> , 2014 , 14, 1437-1442	2.6	33
161	Hydrothermal growth of ZnO microstructures on Ar plasma treated graphite. <i>Current Applied Physics</i> , 2014 , 14, 269-274	2.6	2
160	High-performance photodetectors and enhanced field-emission of CdS nanowire arrays on CdSe single-crystalline sheets. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8252-8258	7.1	25
159	Stimulated emission features of bound excitons in ZnO nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 5293-6	1.3	2
158	Architected van der Waals epitaxy of ZnO nanostructures on hexagonal BN. <i>NPG Asia Materials</i> , 2014 , 6, e145-e145	10.3	37
157	Twinning effect on photoluminescence spectra of ZnSe nanowires. <i>Journal of Applied Physics</i> , 2014 , 116, 174303	2.5	5
156	Selective excitation of Fabry-Perot or whispering-gallery mode-type lasing in GaN microrods. <i>Applied Physics Letters</i> , 2014 , 105, 201108	3.4	28
155	ZnSe-Based Longitudinal Twinning Nanowires. <i>Advanced Engineering Materials</i> , 2014 , 16, 459-465	3.5	10

154	Variable-color light-emitting diodes using GaN microdonut arrays. <i>Advanced Materials</i> , 2014 , 26, 3019-2324		36
153	Photoluminescence of excitons and defects in ZnSe-based longitudinal twinning nanowires. <i>Journal Physics D: Applied Physics</i> , 2014 , 47, 485302	3	3
152	Controlled growth of inorganic nanorod arrays using graphene nanodot seed layers. <i>Nanotechnology</i> , 2014 , 25, 135609	3.4	6
151	Integration and Evaluation of Nanophotonic Devices Using Optical Near Field 2013 , 599-642		
150	Metal-lined semiconductor nanotubes for surface plasmon-mediated luminescence enhancement. <i>Nano Letters</i> , 2013 , 13, 2134-40	11.5	20
149	Microstructural defects in GaN thin films grown on chemically vapor-deposited graphene layers. <i>Applied Physics Letters</i> , 2013 , 102, 051908	3.4	23
148	Epitaxial GaN microdisk lasers grown on graphene microdots. <i>Nano Letters</i> , 2013 , 13, 2782-5	11.5	68
147	Geometry-induced dislocations in coaxial heterostructural nanotubes. <i>Small</i> , 2013 , 9, 2255-9	11	3
146	GaN nanowire/thin film vertical structure p-n junction light-emitting diodes. <i>Applied Physics Letters</i> , 2013 , 103, 261116	3.4	18
145	Orientation-dependent local structural properties of Zn(1-x)Mg(x)O nanorods studied by extended X-ray absorption fine structure. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 1880-3	1.3	1
144	Hybrid Semiconductor Nanostructures with Graphene Layers. <i>Nanoscience and Technology</i> , 2012 , 167-195.6		3
143	Nanophotonic Device Application Using Semiconductor Nanorod Heterostructures. <i>Nanoscience and Technology</i> , 2012 , 279-296	0.6	
142	Catalyst-Free Metal-Organic Vapor-Phase Epitaxy of ZnO and GaN Nanostructures for Visible Light-Emitting Devices. <i>Nanoscience and Technology</i> , 2012 , 37-66	0.6	1
141	Microstructures of GaN thin films grown on graphene layers. <i>Advanced Materials</i> , 2012 , 24, 515-8	24	58
140	High-quality GaN films grown on chemical vapor-deposited graphene films. <i>NPG Asia Materials</i> , 2012 , 4, e24-e24	10.3	85
139	Exciton scattering mechanism in a single semiconducting MgZnO nanorod. <i>Nano Letters</i> , 2012 , 12, 556-611.5	11.5	10
138	Tunable catalytic alloying eliminates stacking faults in compound semiconductor nanowires. <i>Nano Letters</i> , 2012 , 12, 855-60	11.5	16
137	Gallium nitride nanostructures for light-emitting diode applications. <i>Nano Energy</i> , 2012 , 1, 391-400	17.1	60

136	Position- and morphology-controlled ZnO nanostructures grown on graphene layers. <i>Advanced Materials</i> , 2012 , 24, 5565-9, 5564	24	57
135	Probing quantum confinement within single core-multishell nanowires. <i>Nano Letters</i> , 2012 , 12, 5829-34	11.5	31
134	Superradiance from one-dimensionally aligned ZnO nanorod multiple-quantum-well structures. <i>Applied Physics Letters</i> , 2012 , 100, 233118	3.4	3
133	Excitonic origin of enhanced luminescence quantum efficiency in MgZnO/ZnO coaxial nanowire heterostructures. <i>Applied Physics Letters</i> , 2012 , 100, 223103	3.4	14
132	Catalyst-free growth of InN nanorods by metal-organic chemical vapor deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 50-55	1.6	4
131	Repeatable switching of the bending direction of ZnO nanoneedles by ion beams. <i>Nanotechnology</i> , 2012 , 23, 075302	3.4	
130	Catalyst-free metal-organic chemical vapor deposition growth of InN nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 1645-8	1.3	
129	Graphene: Position- and Morphology-Controlled ZnO Nanostructures Grown on Graphene Layers (Adv. Mater. 41/2012). <i>Advanced Materials</i> , 2012 , 24, 5564-5564	24	
128	ZnO Nanorods and their Heterostructures for Electrical and Optical Nanodevice Applications 2011 , 335-374		2
127	Inorganic nanostructures grown on graphene layers. <i>Nanoscale</i> , 2011 , 3, 3522-33	7.7	72
126	Hydrothermally grown ZnO nanostructures on few-layer graphene sheets. <i>Nanotechnology</i> , 2011 , 22, 245603	3.4	71
125	GaN/ZnO Nanotube Heterostructure Light-Emitting Diodes Fabricated on Si. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2011 , 17, 966-970	3.8	6
124	Visible-color-tunable light-emitting diodes. <i>Advanced Materials</i> , 2011 , 23, 3284-8	24	243
123	Flexible inorganic nanostructure light-emitting diodes fabricated on graphene films. <i>Advanced Materials</i> , 2011 , 23, 4614-9	24	186
122	Inorganic Optoelectronics: Visible-Color-Tunable Light-Emitting Diodes (Adv. Mater. 29/2011). <i>Advanced Materials</i> , 2011 , 23, 3224-3224	24	5
121	Formation of 10-nm-level patterned organic thin film using microthermal evaporation. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2011 , 29, 021016	1.3	4
120	Scalable network electrical devices using ZnO nanowalls. <i>Nanotechnology</i> , 2011 , 22, 055205	3.4	23
119	Selective formation of GaN-based nanorod heterostructures on soda-lime glass substrates by a local heating method. <i>Nanotechnology</i> , 2011 , 22, 205602	3.4	13

118	ZnO nanostructures with controlled morphologies on a glass substrate. <i>Nanotechnology</i> , 2010 , 21, 2656034	3.4	41
117	Nonvolatile memory devices based on few-layer graphene films. <i>Nanotechnology</i> , 2010 , 21, 105204	3.4	41
116	Local structural and optical properties of ZnO nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 3562-5	1.3	18
115	Cetuximab-conjugated magneto-fluorescent silica nanoparticles for in vivo colon cancer targeting and imaging. <i>Cancer Letters</i> , 2010 , 299, 63-71	9.9	78
114	Transferable GaN layers grown on ZnO-coated graphene layers for optoelectronic devices. <i>Science</i> , 2010 , 330, 655-7	33.3	494
113	Vertical pillar-superlattice array and graphene hybrid light emitting diodes. <i>Nano Letters</i> , 2010 , 10, 2783-8	1.5	126
112	Position-controlled AlN/ZnO coaxial nanotube heterostructure arrays for electron emitter applications. <i>Nanotechnology</i> , 2010 , 21, 055303	3.4	11
111	The topographic effect of zinc oxide nanoflowers on osteoblast growth and osseointegration. <i>Advanced Materials</i> , 2010 , 22, 4857-61	24	97
110	GaN/In _{1-x} Ga _x N/GaN/ZnO nanoarchitecture light emitting diode microarrays. <i>Applied Physics Letters</i> , 2009 , 94, 213101	3.4	58
109	Structural and optical characteristics of GaN/ZnO coaxial nanotube heterostructure arrays for light-emitting device applications. <i>New Journal of Physics</i> , 2009 , 11, 125021	2.9	39
108	Whispering-gallery-modelike resonance of luminescence from a single hexagonal ZnO microdisk. <i>Journal of Applied Physics</i> , 2009 , 106, 094310	2.5	12
107	Modulation doping in ZnO nanorods for electrical nanodevice applications. <i>Applied Physics Letters</i> , 2009 , 94, 223117	3.4	25
106	Fabrication and Optical Characteristics of Position-Controlled ZnO Nanotubes and ZnO/Zn _{0.8} Mg _{0.2} O Coaxial Nanotube Quantum Structure Arrays. <i>Advanced Functional Materials</i> , 2009 , 19, 1601-1608	15.6	26
105	Shape-Controlled Nanoarchitectures Using Nanowalls. <i>Advanced Materials</i> , 2009 , 21, 222-226	24	57
104	ZnO/Mg _{0.2} Zn _{0.8} O coaxial nanorod heterostructures for high-performance electronic nanodevice applications. <i>Applied Physics Letters</i> , 2009 , 94, 043504	3.4	23
103	Vertically aligned ZnO nanostructures grown on graphene layers. <i>Applied Physics Letters</i> , 2009 , 95, 213101	1.4	141
102	Thermoelectric power measurements of wide band gap semiconducting nanowires. <i>Applied Physics Letters</i> , 2009 , 94, 022106	3.4	75
101	Nanophotonic energy up conversion using ZnO nanorod double-quantum-well structures. <i>Applied Physics Letters</i> , 2009 , 94, 083113	3.4	12

100	Controlled epitaxial growth modes of ZnO nanostructures using different substrate crystal planes. <i>Journal of Materials Chemistry</i> , 2009 , 19, 941		37
99	Ultrafine ZnO nanowire electronic device arrays fabricated by selective metal-organic chemical vapor deposition. <i>Small</i> , 2009 , 5, 181-4	11	32
98	Preparation and optical properties of one dimensional nano hydroxides and oxides. <i>Springer Proceedings in Physics</i> , 2009 , 87-93	0.2	
97	Position-controlled ZnO nanoflower arrays grown on glass substrates for electron emitter application. <i>Nanotechnology</i> , 2008 , 19, 315202	3.4	57
96	Photocatalysis using GaN nanowires. <i>ACS Nano</i> , 2008 , 2, 637-42	16.7	169
95	Photoluminescent characteristics of Mg _x Zn _{1-x} O (0 ≤ x ≤ 0.18) nanorods. <i>Semiconductor Science and Technology</i> , 2008 , 23, 095015	1.8	10
94	Fabrication of vertically aligned ultrafine ZnO nanorods using metal-organic vapor phase epitaxy with a two-temperature growth method. <i>Nanotechnology</i> , 2008 , 19, 175305	3.4	39
93	Morphology transformation of patterned, uniform and faceted GaN microcrystals. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 015406	3	6
92	Enhanced light output of GaN-based light-emitting diodes with ZnO nanorod arrays. <i>Applied Physics Letters</i> , 2008 , 92, 121108	3.4	140
91	Probing exciton diffusion in semiconductors using semiconductor-nanorod quantum structures. <i>Small</i> , 2008 , 4, 467-70	11	23
90	Enhancement and Concurrence of Emissions from Multiple Fluorophores in a Single Emitting Layer of Micellar Nanostructures. <i>Advanced Functional Materials</i> , 2008 , 18, 2984-2989	15.6	24
89	Low-frequency noise characterization of ZnO nanorod back-gate field-effect transistor structure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 2147-2149	3	7
88	Application of spectral reflectance to the monitoring of ZnO nanorod growth. <i>Applied Surface Science</i> , 2008 , 255, 746-748	6.7	13
87	Two-dimensional correlation analysis of the time-resolved photoluminescence spectra of gallium nitride nanowires. <i>Journal of Molecular Structure</i> , 2008 , 883-884, 209-215	3.4	5
86	Surface morphology and growth mechanism of catalyst-free ZnO and Mg _x Zn _{1-x} O nanorods. <i>Physica Status Solidi - Rapid Research Letters</i> , 2008 , 2, 197-199	2.5	28
85	Local Structural Properties of ZnO Nanoparticles, Nanorods and Powder Studied by Extended X-ray Absorption Fine Structure. <i>Journal of the Korean Physical Society</i> , 2008 , 53, 461-465	0.6	17
84	Enhanced field emission properties from well-aligned zinc oxide nanoneedles grown on the Au(111)-Si substrate. <i>Applied Physics Letters</i> , 2007 , 90, 083107	3.4	78
83	Controlled Light Emission by Nanoencapsulation of Fluorophores in Thin Films of Diblock Copolymer Micelles. <i>Advanced Materials</i> , 2007 , 19, 1594-1596	24	39

82	Position-Controlled Selective Growth of ZnO Nanorods on Si Substrates Using Facet-Controlled GaN Micropatterns. <i>Advanced Materials</i> , 2007 , 19, 4416-4419	24	44
81	Secondary electron emission properties of III-nitride/ZnO coaxial heterostructures under ion and X-ray bombardment. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007 , 254, 55-58	1.2	4
80	Photoluminescence and cathodoluminescence properties of Y2O3:Eu nanophosphors prepared by combustion synthesis. <i>Journal of Luminescence</i> , 2007 , 122-123, 776-779	3.8	77
79	Cathodoluminescence of single ZnO nanorod heterostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 1458-1461	1.3	16
78	Local electronic structure of Mn dopants in ZnO probed by resonant inelastic x-ray scattering. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 276210	1.8	5
77	Low-temperature (~270 °C) growth of vertically aligned ZnO nanorods using photoinduced metal organic vapour phase epitaxy. <i>Nanotechnology</i> , 2007 , 18, 065606	3.4	6
76	Nanophotonic switch using ZnO nanorod double-quantum-well structures. <i>Applied Physics Letters</i> , 2007 , 90, 223110	3.4	75
75	Near ultraviolet light emitting diode composed of n-GaN/ZnO coaxial nanorod heterostructures on a p-GaN layer. <i>Applied Physics Letters</i> , 2007 , 91, 123109	3.4	52
74	Heteroepitaxial Growth of High-Quality GaN Thin Films on Si Substrates Coated with Self-Assembled Sub-micrometer-sized Silica Balls. <i>Advanced Materials</i> , 2006 , 18, 2833-2836	24	21
73	Catalyst-free growth of ZnO nanorods and their nanodevice applications. <i>International Journal of Nanotechnology</i> , 2006 , 3, 372	1.5	10
72	Whispering-gallery-model-like-enhanced emission from ZnO nanodisk. <i>Applied Physics Letters</i> , 2006 , 88, 093104	3.4	74
71	Formation and photoluminescent properties of embedded ZnO quantum dots in ZnO/ZnMgO multiple-quantum-well-structured nanorods. <i>Applied Physics Letters</i> , 2006 , 89, 113106	3.4	24
70	Fabrication and photoluminescent characteristics of ZnO/Mg _{0.2} Zn _{0.8} O coaxial nanorod single quantum well structures. <i>Applied Physics Letters</i> , 2006 , 89, 173114	3.4	37
69	Local structure around Ga in ultrafine GaN/ZnO coaxial nanorod heterostructures. <i>Applied Physics Letters</i> , 2006 , 88, 111910	3.4	8
68	Controlled selective growth of ZnO nanorod and microrod arrays on Si substrates by a wet chemical method. <i>Applied Physics Letters</i> , 2006 , 89, 163128	3.4	107
67	Quantum confinement effect in ZnO/Mg _{0.2} Zn _{0.8} O multishell nanorod heterostructures. <i>Applied Physics Letters</i> , 2006 , 88, 023102	3.4	52
66	Fabrication and electrical characteristics of dual-gate ZnO nanorod metal-oxide semiconductor field-effect transistors. <i>Nanotechnology</i> , 2006 , 17, S327-S331	3.4	58
65	Photoluminescent characteristics of Ni-catalyzed GaN nanowires. <i>Applied Physics Letters</i> , 2006 , 89, 043134	3.4	62

64	Fabrication and photoluminescent properties of heteroepitaxial ZnO/Zn _{0.8} Mg _{0.2} O coaxial nanorod heterostructures. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 1516-9	3.4	55
63	Enhanced secondary electron emission from group III nitride/ZnO coaxial nanorod heterostructures. <i>Small</i> , 2006 , 2, 736-40	11	10
62	Optical properties of ZnO nanorods and nanowires. <i>Superlattices and Microstructures</i> , 2006 , 39, 358-365	2.8	13
61	Evaluating the Quantum Confinement Effect of Isolated ZnO Nanorod Single-Quantum-Well Structures Using Near-Field Ultraviolet Photoluminescence Spectroscopy. <i>Optical Review</i> , 2006 , 13, 218-221	0.9	5
60	Integration and Evaluation of Nanophotonic Device Using Optical Near Field. <i>Springer Series in Optical Sciences</i> , 2006 , 63-107	0.5	2
59	Synthesis of single-crystal CdS microbelts using a modified thermal evaporation method and their photoluminescence. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 9294-8	3.4	103
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