Jean Christophe Harmand

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.

183 6,205 44 73 g-index

192 6,697 3.8 5.54 ext. papers ext. citations avg, IF L-index

#	Paper	IF	Citations
183	DFT analysis of crystal polarity on graphene surface. <i>Journal of Physics: Conference Series</i> , 2021 , 2015, 012105	0.3	
182	In-Situ Transmission Electron Microscopy Observation of Germanium Growth on Freestanding Graphene: Unfolding Mechanism of 3D Crystal Growth During Van der Waals Epitaxy. <i>Small</i> , 2021 , e210	01890	
181	Investigation of the effect of the doping order in GaN nanowire p-n junctions grown by molecular-beam epitaxy. <i>Nanotechnology</i> , 2021 , 32, 085705	3.4	3
180	Crystal polarity discrimination in GaN nanowires on graphene. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 9997-10004	7.1	
179	Quantitative Assessment of Carrier Density by Cathodoluminescence. I. GaAs Thin Films and Modeling. <i>Physical Review Applied</i> , 2021 , 15,	4.3	2
178	Quantitative Assessment of Carrier Density by Cathodoluminescence. II. GaAs Nanowires. <i>Physical Review Applied</i> , 2021 , 15,	4.3	1
177	Dynamics of Droplet Consumption in Vaporliquid Solid IIIIV Nanowire Growth. <i>Crystal Growth and Design</i> , 2021 , 21, 4647-4655	3.5	1
176	In Situ X-ray Diffraction Study of GaN Nucleation on Transferred Graphene. <i>Crystal Growth and Design</i> , 2020 , 20, 4013-4019	3.5	3
175	Phase Selection in Self-catalyzed GaAs Nanowires. <i>Nano Letters</i> , 2020 , 20, 1669-1675	11.5	49
175 174	Phase Selection in Self-catalyzed GaAs Nanowires. <i>Nano Letters</i> , 2020 , 20, 1669-1675 Selective Area Growth of GaN Nanowires on Graphene Nanodots. <i>Crystal Growth and Design</i> , 2020 , 20, 552-559	3.5	49 11
	Selective Area Growth of GaN Nanowires on Graphene Nanodots. Crystal Growth and Design, 2020,		
174	Selective Area Growth of GaN Nanowires on Graphene Nanodots. <i>Crystal Growth and Design</i> , 2020 , 20, 552-559 Nanoscale electrical analyses of axial-junction GaAsP nanowires for solar cell applications.	3.5	11
174 173	Selective Area Growth of GaN Nanowires on Graphene Nanodots. <i>Crystal Growth and Design</i> , 2020 , 20, 552-559 Nanoscale electrical analyses of axial-junction GaAsP nanowires for solar cell applications. <i>Nanotechnology</i> , 2020 , 31, 145708 Influence of surface passivation on the electrical properties of pld GaAsP nanowires. <i>Applied</i>	3.5	11 9
174 173 172	Selective Area Growth of GaN Nanowires on Graphene Nanodots. <i>Crystal Growth and Design</i> , 2020 , 20, 552-559 Nanoscale electrical analyses of axial-junction GaAsP nanowires for solar cell applications. <i>Nanotechnology</i> , 2020 , 31, 145708 Influence of surface passivation on the electrical properties of plb GaAsP nanowires. <i>Applied Physics Letters</i> , 2020 , 117, 123104 Stable and high yield growth of GaP and InGaAs nanowire arrays using In as a catalyst. <i>Nanoscale</i> ,	3.5 3.4 3.4	11 9 2
174 173 172	Selective Area Growth of GaN Nanowires on Graphene Nanodots. <i>Crystal Growth and Design</i> , 2020 , 20, 552-559 Nanoscale electrical analyses of axial-junction GaAsP nanowires for solar cell applications. <i>Nanotechnology</i> , 2020 , 31, 145708 Influence of surface passivation on the electrical properties of plb GaAsP nanowires. <i>Applied Physics Letters</i> , 2020 , 117, 123104 Stable and high yield growth of GaP and InGaAs nanowire arrays using In as a catalyst. <i>Nanoscale</i> , 2020 , 12, 18240-18248 GaN/Ga2O3 Core/Shell Nanowires Growth: Towards High Response Gas Sensors. <i>Applied Sciences</i>	3.5 3.4 3.4	11 9 2
174 173 172 171 170	Selective Area Growth of GaN Nanowires on Graphene Nanodots. <i>Crystal Growth and Design</i> , 2020 , 20, 552-559 Nanoscale electrical analyses of axial-junction GaAsP nanowires for solar cell applications. <i>Nanotechnology</i> , 2020 , 31, 145708 Influence of surface passivation on the electrical properties of pll GaAsP nanowires. <i>Applied Physics Letters</i> , 2020 , 117, 123104 Stable and high yield growth of GaP and InGaAs nanowire arrays using In as a catalyst. <i>Nanoscale</i> , 2020 , 12, 18240-18248 GaN/Ga2O3 Core/Shell Nanowires Growth: Towards High Response Gas Sensors. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 3528 Growth Dynamics of Gallium Nanodroplets Driven by Thermally Activated Surface Diffusion.	3.5 3.4 3.4 7.7 2.6	11 9 2 4

(2015-2018)

Morphology Tailoring and Growth Mechanism of Indium-Rich InGaN/GaN Axial Nanowire 166 Heterostructures by Plasma-Assisted Molecular Beam Epitaxy. Crystal Growth and Design, 2018, 18, $2545^{3}2554^{11}$ Measuring and Modeling the Growth Dynamics of Self-Catalyzed GaP Nanowire Arrays. Nano 165 11.5 35 Letters, 2018, 18, 701-708 Atomic Step Flow on a Nanofacet. Physical Review Letters, 2018, 121, 166101 164 82 7.4 Energy harvesting efficiency in GaN nanowire-based nanogenerators: the critical influence of the 163 7.7 24 Schottky nanocontact. Nanoscale, 2017, 9, 4610-4619 Determination of n-Type Doping Level in Single GaAs Nanowires by Cathodoluminescence. Nano 162 11.5 24 Letters, 2017, 17, 6667-6675 In situ passivation of GaAsP nanowires. Nanotechnology, 2017, 28, 495707 161 18 3.4 Shiba Bound States across the Mobility Edge in Doped InAs Nanowires. Physical Review Letters, 160 7.4 7 **2017**, 119, 097701 Magnetic two-dimensional field effect transistor. Applied Physics Letters, 2017, 111, 233508 159 3.4 Class-A operation of an optically-pumped 1.6 \(\bar{\pi} m\)-emitting quantum dash-based 158 5 3.3 vertical-external-cavity surface-emitting laser on InP. Optics Express, 2017, 25, 11760-11766 Epitaxy of GaN Nanowires on Graphene. Nano Letters, 2016, 16, 4895-902 157 11.5 94 Electron beam induced current microscopy investigation of GaN nanowire arrays grown on Si 8 156 4.3 substrates. Materials Science in Semiconductor Processing, 2016, 55, 72-78 Sharpening the Interfaces of Axial Heterostructures in Self-Catalyzed AlGaAs Nanowires: 155 11.5 41 Experiment and Theory. Nano Letters, 2016, 16, 1917-24 Photon Cascade from a Single Crystal Phase Nanowire Quantum Dot. Nano Letters, 2016, 16, 1081-5 28 154 11.5 Piezo-generator integrating a vertical array of GaN nanowires. Nanotechnology, 2016, 27, 325403 153 3.4 41 Nitride Nanowires: From Rigid to Flexible Piezo-generators. Journal of Physics: Conference Series, 152 0.3 1 2016, 773, 012010 Self-induced growth of vertical GaN nanowires on silica. Nanotechnology, 2016, 27, 135602 28 151 3.4 Abrupt GaP/GaAs Interfaces in Self-Catalyzed Nanowires. Nano Letters, 2015, 15, 6036-41 150 11.5 42 Crystallization of Si Templates of Controlled Shape, Size, and Orientation: Toward Micro- and 149 3.5 Nanosubstrates. Crystal Growth and Design, 2015, 15, 2102-2109

148	Modeling, synthesis and study of highly efficient solar cells based on III-nitride nanowire arrays grown on Si substrates. <i>Journal of Physics: Conference Series</i> , 2015 , 643, 012115	0.3	10
147	Voltage bistability of coherent electron injection and nonlinear dynamics of a Bloch oscillation in a semiconductor superlattice. <i>Physical Review B</i> , 2015 , 91,	3.3	2
146	Optical polarization properties of InAs/InP quantum dot and quantum rod nanowires. <i>Nanotechnology</i> , 2015 , 26, 395701	3.4	11
145	Recent advances in development of vertical-cavity based short pulse source at 1.55 fb. <i>Frontiers of Optoelectronics</i> , 2014 , 7, 1-19	2.8	O
144	GaN nanowires for piezoelectric generators. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014 , 8, 414-	4 12 5	21
143	Design of III-V nanowires based micosources vertically coupled to a Si waveguide for optical interconnects 2014 ,		1
142	Impact of the GaN nanowire polarity on energy harvesting. Applied Physics Letters, 2014, 104, 213105	3.4	15
141	Record pure zincblende phase in GaAs nanowires down to 5 nm in radius. <i>Nano Letters</i> , 2014 , 14, 3938-	44 1.5	72
140	Class-A dual-frequency VECSEL at telecom wavelength. <i>Optics Letters</i> , 2014 , 39, 5586-9	3	17
139	Room-temperature optical manipulation of nuclear spin polarization in GaAsN. <i>Physical Review B</i> , 2014 , 90,	3.3	14
138	Random stacking sequences in III-V nanowires are correlated. <i>Physical Review B</i> , 2014 , 89,	3.3	13
137	Palladium assisted hetroepitaxial growth of an InAs nanowire by molecular beam epitaxy. Semiconductor Science and Technology, 2014 , 29, 115005	1.8	3
136	Fabrication of an InGaAs spin filter by implantation of paramagnetic centers. <i>Applied Physics Letters</i> , 2013 , 103, 052403	3.4	13
135	Bistability and nonlinear negative differential conductance in semiconductor superlattices illuminated by laser light. <i>Applied Physics Letters</i> , 2013 , 103, 092106	3.4	
134	Photoreflectance, photoluminescence, and microphotoluminescence study of optical transitions between delocalized and localized states in GaN0.02As0.98, Ga0.95In0.05N0.02As0.98, and GaN0.02As0.90Sb0.08 layers. <i>Physical Review B</i> , 2013 , 88,	3.3	44
133	Phase coherent transport in GaAs/AlGaAs coreBhellnanowires. <i>Journal of Crystal Growth</i> , 2013 , 378, 546-548	1.6	6
132	Growth of vertical GaAs nanowires on an amorphous substrate via a fiber-textured Si platform. <i>Nano Letters</i> , 2013 , 13, 2743-7	11.5	29
131	Improvement of the oxidation interface in an AlGaAs/AlxOy waveguide structure by using a GaAs/AlAs superlattice. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 1171-117	7 ^{1.6}	

130	Arsenic Pathways in Self-Catalyzed Growth of GaAs Nanowires. Crystal Growth and Design, 2013, 13, 91-	· 96 5	119
129	InP1⊠Asx quantum dots in InP nanowires: A route for single photon emitters. <i>Journal of Crystal Growth</i> , 2013 , 378, 519-523	1.6	17
128	Predictive modeling of self-catalyzed III-V nanowire growth. <i>Physical Review B</i> , 2013 , 88,	3.3	142
127	. IEEE Journal of Quantum Electronics, 2012 , 48, 643-650	2	12
126	Effect of diffusion from a lateral surface on the rate of GaN nanowire growth. <i>Semiconductors</i> , 2012 , 46, 838-841	0.7	11
125	N-Polar GaN Nanowires Seeded by Al Droplets on Si(111). Crystal Growth and Design, 2012, 12, 2724-273	29 .5	51
124	Influence of shadow effect on the growth and shape of InAs nanowires. <i>Journal of Applied Physics</i> , 2012 , 111, 104317	2.5	40
123	Conduction band structure in wurtzite GaAs nanowires: A resonant Raman scattering study. <i>Applied Physics Letters</i> , 2012 , 100, 073102	3.4	27
122	Magnetic thaw down and boil-off of electrons in the quantum Hall effect regime due to magnetoacceptors in GaAs/GaAlAs heterostructures. <i>Physical Review B</i> , 2012 , 86,	3.3	5
121	Kinetics and Statistics of Vapor-Liquid-Solid Growth of III-V Nanowires. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1408, 81		
120	Morphology of self-catalyzed GaN nanowires and chronology of their formation by molecular beam epitaxy. <i>Nanotechnology</i> , 2011 , 22, 245606	3.4	55
119	New mode of vapor-liquid-solid nanowire growth. <i>Nano Letters</i> , 2011 , 11, 1247-53	11.5	125
118	Subpicosecond pulse generation from a 1.56 h mode-locked VECSEL. Optics Letters, 2011, 36, 4377-9	3	21
117	Giant spin-dependent photo-conductivity in GaAsN dilute nitride semiconductor. <i>Physical Review B</i> , 2011 , 83,	3.3	15
116	GaP/GaAs1NPx nanowires fabricated with modulated fluxes: A step towards the realization of superlattices in a single nanowire. <i>Journal of Crystal Growth</i> , 2011 , 323, 293-296	1.6	21
115	Quasi one-dimensional transport in single GaAs/AlGaAs core-shell nanowires. <i>Applied Physics Letters</i> , 2011 , 98, 142114	3.4	22
114	Picosecond carrier lifetimes in dilute GaInNAs grown on InP substrate. <i>Applied Physics Letters</i> , 2011 , 99, 141902	3.4	4
113	Effects of temperature on transition energies of GaAsSbN/GaAs single quantum wells. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 325801	1.8	2

Growth of III-Arsenide/Phosphide Nanowires by Molecular Beam Epitaxy **2011**, 68-88

111	Investigation of the electronic transport in GaN nanowires containing GaN/AlN quantum discs. Nanotechnology, 2010 , 21, 425206	3.4	30
110	Nucleation antibunching in catalyst-assisted nanowire growth. <i>Physical Review Letters</i> , 2010 , 104, 1355	0 † .4	95
109	Growth kinetics of a single InP1⊠Asx nanowire. <i>Physical Review B</i> , 2010 , 81,	3.3	78
108	Effect of nitrogen on the GaAs0.9⊌NxSb0.1 dielectric function from the near-infrared to the ultraviolet. <i>Applied Physics Letters</i> , 2010 , 97, 201903	3.4	15
107	Silicon nanowires: Diameter dependence of growth rate and delay in growth. <i>Applied Physics Letters</i> , 2010 , 96, 133109	3.4	58
106	Local structure of indium in quinary (InGa)(AsSbN)/GaAs quantum wells. <i>Physical Review B</i> , 2010 , 82,	3.3	3
105	Crystal phase quantum dots. <i>Nano Letters</i> , 2010 , 10, 1198-201	11.5	207
104	Growth, structure and phase transitions of epitaxial nanowires of III-V semiconductors. <i>Journal of Physics: Conference Series</i> , 2010 , 209, 012002	0.3	11
103	Wide InP nanowires with wurtzite/zincblende superlattice segments are type-II whereas narrower nanowires become type-I: an atomistic pseudopotential calculation. <i>Nano Letters</i> , 2010 , 10, 4055-60	11.5	68
102	Ultrashort pulse generation from 1.56 µm mode-locked VECSEL at room temperature. <i>Optics Express</i> , 2010 , 18, 19902-13	3.3	11
101	Nanowires for quantum optics 2010 ,		1
100	Growth of Inclined GaAs Nanowires by Molecular Beam Epitaxy: Theory and Experiment. <i>Nanoscale Research Letters</i> , 2010 , 5, 1692-7	5	18
99	Effect of arsenic species on the kinetics of GaAs nanowires growth by molecular beam epitaxy. Journal of Crystal Growth, 2010 , 312, 2073-2077	1.6	27
98	Effects of repulsive and attractive ionized impurities on the resistivity of semiconductor heterostructures in the quantum Hall regime. <i>Physical Review B</i> , 2009 , 80,	3.3	5
97	Spin-dependent photoconductivity in nonmagnetic semiconductors at room temperature. <i>Applied Physics Letters</i> , 2009 , 95, 241104	3.4	19
96	Epitaxial growth and picosecond carrier dynamics of GaInAs/GaInNAs superlattices. <i>Applied Physics Letters</i> , 2009 , 95, 141910	3.4	6
95	Wurtzite GaAs/AlGaAs core-shell nanowires grown by molecular beam epitaxy. <i>Nanotechnology</i> , 2009 , 20, 415701	3.4	31

(2008-2009)

94	Si Incorporation in InP Nanowires Grown by Au-Assisted Molecular Beam Epitaxy. <i>Journal of Nanomaterials</i> , 2009 , 2009, 1-7	3.2	11	
93	Electron spin control in dilute nitride semiconductors. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 174211	1.8	13	
92	Semiconductor quantum-wires and nano-wires for optoelectronic applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2009 , 20, 94-101	2.1	5	
91	Vibrational spectroscopies: a natural ThesoscopelFor the study of spontaneous ordering in alloys. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2009 , 6, 1303-1306			
90	Room-temperature defect-engineered spin filter based on a non-magnetic semiconductor. <i>Nature Materials</i> , 2009 , 8, 198-202	27	78	
89	Growth and structural characterization of GaAs/GaAsSb axial heterostructured nanowires. <i>Journal of Crystal Growth</i> , 2009 , 311, 1847-1850	1.6	19	
88	Critical diameters and temperature domains for MBE growth of IIIIV nanowires on lattice mismatched substrates. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009 , 3, 112-114	2.5	108	
87	Towards a monolithic optical cavity for atom detection and manipulation. <i>European Physical Journal D</i> , 2009 , 53, 107-111	1.3	3	
86	Role of nonlinear effects in nanowire growth and crystal phase. <i>Physical Review B</i> , 2009 , 80,	3.3	83	
85	Potential of semiconductor nanowires for single photon sources 2009 ,		4	
84	Photoluminescence study of nitrogen effects on confined states in GaAs1NxGaAs quantum wells. <i>EPJ Applied Physics</i> , 2009 , 47, 30302	1.1	6	
83	Growth kinetics and crystal structure of semiconductor nanowires. <i>Physical Review B</i> , 2008 , 78,	3.3	263	
82	Shape modification of III-V nanowires: the role of nucleation on sidewalls. <i>Physical Review E</i> , 2008 , 77, 031606	2.4	52	
81	Femtosecond pulse generation around 1500 nm using a GalnNAsSb SESAM. <i>Optics Express</i> , 2008 , 16, 18739-44	3.3	8	
80	Facet and in-plane crystallographic orientations of GaN nanowires grown on Si(111). <i>Nanotechnology</i> , 2008 , 19, 155704	3.4	77	
79	Wurtzite to zinc blende phase transition in GaAs nanowires induced by epitaxial burying. <i>Nano Letters</i> , 2008 , 8, 1638-43	11.5	60	
78	Zinc blende GaAsSb nanowires grown by molecular beam epitaxy. <i>Nanotechnology</i> , 2008 , 19, 275605	3.4	46	
77	Competition between confinement potential fluctuations and band-gap renormalization effects in In0.53Ga0.47As/In0.525Ga0.235Al0.25As single and double quantum wells. <i>Physical Review B</i> , 2008 , 77	3.3	8	

76	Strain effects of InP/Si and InP/porous Si studied by spectroscopic ellipsometry. <i>EPJ Applied Physics</i> , 2008 , 42, 99-102	1.1	
75	Thermal optimization of 1.55 th OP-VECSEL with hybrid metalthetamorphic mirror for single-mode high power operation. <i>Optical and Quantum Electronics</i> , 2008 , 40, 155-165	2.4	36
74	Optical constants and critical-point parameters of GaAs1\(\text{Sbx} \) Sbx alloy films grown on GaAs. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008 , 205, 833-836	1.6	2
73	Growth and characterization of InP nanowires with InAsP insertions. <i>Nano Letters</i> , 2007 , 7, 1500-4	11.5	102
72	Redistribution of nitrogen localized states in GaAsN layer doped Silicon. <i>EPJ Applied Physics</i> , 2007 , 38, 221-225	1.1	
71	Diffusion-controlled growth of semiconductor nanowires: Vapor pressure versus high vacuum deposition. <i>Surface Science</i> , 2007 , 601, 4395-4401	1.8	53
70	Large intrinsic birefringence in zinc-blende based artificial semiconductors. <i>Comptes Rendus Physique</i> , 2007 , 8, 1174-1183	1.4	1
69	Effect of deposition conditions on nanowhisker morphology. Semiconductors, 2007, 41, 865-874	0.7	5
68	Nucleation at the lateral surface and the shape of whisker nanocrystals. Semiconductors, 2007, 41, 1240)-1)2/47	2
67	Photoluminescence properties of a Si doped InGaAs/InGaAlAs superlattice. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 086207	1.8	5
66	Combined Raman study of InGaAsN from the N-impurity and InGaAs-matrix sides. <i>Applied Physics Letters</i> , 2007 , 91, 051910	3.4	4
65	Au-assisted molecular beam epitaxy of InAs nanowires: Growth and theoretical analysis. <i>Journal of Applied Physics</i> , 2007 , 102, 094313	2.5	123
64	Growth of GaN free-standing nanowires by plasma-assisted molecular beam epitaxy: structural and optical characterization. <i>Nanotechnology</i> , 2007 , 18, 385306	3.4	103
63	Why does wurtzite form in nanowires of III-V zinc blende semiconductors?. <i>Physical Review Letters</i> , 2007 , 99, 146101	7.4	615
62	Calculation of the temperature profile in nanowhiskers growing on a hot substrate. <i>Physical Review B</i> , 2006 , 73,	3.3	32
61	Scaling of the saturation energy in microcavity saturable absorber devices. <i>Applied Physics Letters</i> , 2006 , 88, 153513	3.4	13
60	Quantum-well saturable absorber at 1.55th on GaAs substrate with a fast recombination rate. <i>Applied Physics Letters</i> , 2006 , 88, 201110	3.4	27
59	Temperature conditions for GaAs nanowire formation by Au-assisted molecular beam epitaxy. <i>Nanotechnology</i> , 2006 , 17, 4025-30	3.4	101

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Theoretical analysis of the vapor-liquid-solid mechanism of nanowire growth during molecular beam epitaxy. <i>Physical Review E</i> , 2006 , 73, 021603	2.4	154
The effect of potential fluctuations on the optical properties of InGaAsIhGaAlAs single and coupled double quantum wells. <i>Journal of Applied Physics</i> , 2006 , 100, 053519	2.5	7
Clustering in GaAsSbN alloys as a possible origin of their atypical optical behavior: a Sb K-edge X-ray absorption study. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006 , 3, 1931-1934		6
The role of surface diffusion of adatoms in the formation of nanowire crystals. <i>Semiconductors</i> , 2006 , 40, 1075-1082	0.7	45
Optimization and Characterization of InGaAsN/GaAs Quantum-well Ridge Laser Diodes for High Frequency Operation. <i>Optical and Quantum Electronics</i> , 2006 , 38, 313-324	2.4	7
The effect of potential fluctuations on the optical properties of InGaAsIhAlAs superlattices. <i>Journal of Applied Physics</i> , 2005 , 97, 103518	2.5	17
Floor free 10-Gb/s transmission with directly modulated GaInNAs-GaAs 1.35-/spl mu/m laser for metropolitan applications. <i>IEEE Photonics Technology Letters</i> , 2005 , 17, 971-973	2.2	14
Analysis of vapor-liquid-solid mechanism in Au-assisted GaAs nanowire growth. <i>Applied Physics Letters</i> , 2005 , 87, 203101	3.4	231
Continuous wave and time resolved spectroscopy of InAsN/GaAsN based quantum dots. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2005 , 202, 2598-2603	1.6	3
MBE growth of InAsN on (100) InAs substrates. <i>Physica Status Solidi (B): Basic Research</i> , 2005 , 242, R43	-R 4 5;	16
The Free Exciton Binding Energy in a Strained GaN0.02As0.98 Layer. <i>AIP Conference Proceedings</i> , 2005 ,	0	4
Spin dynamics in dilute nitride semiconductors at room temperature. <i>Applied Physics Letters</i> , 2005 , 87, 252115	3.4	40
GaInAs/GaAs quantum-well growth assisted by Sb surfactant: Toward 1.3 fh emission. <i>Applied Physics Letters</i> , 2004 , 84, 3981-3983	3.4	70
Photoreflectance investigations of the energy level structure in GaInNAs-based quantum wells. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, S3071-S3094	1.8	43
Photoreflectance investigations of oscillator strength and broadening of optical transitions for GaAsSb G aInAs/GaAs bilayer quantum wells. <i>Applied Physics Letters</i> , 2004 , 84, 3453-3455	3.4	35
Ultrafast InGaAs/InGaAlAs multiple-quantum-well electro-absorption modulator for wavelength conversion at high bit rates. <i>Applied Physics Letters</i> , 2004 , 84, 4268-4270	3.4	13
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