

Eric Tourni

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L-index

#	Paper	IF	Citations
271	Effects of low temperature on the cold start gaseous emissions from light duty vehicles fuelled by ethanol-blended gasoline. <i>Applied Energy</i> , 2013 , 102, 44-54	10.7	121
270	On the origin of carrier localization in Ga _{1-x} In _x NyAs _{1-y} /GaAs quantum wells. <i>Applied Physics Letters</i> , 2001 , 78, 1562-1564	3.4	121
269	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2014 , 20, 394-404	3.8	85
268	Mechanisms affecting the photoluminescence spectra of GaInNAs after post-growth annealing. <i>Applied Physics Letters</i> , 2002 , 80, 4148-4150	3.4	79
267	Surfactant-mediated molecular beam epitaxy of strained layer semiconductor heterostructures. <i>Thin Solid Films</i> , 1993 , 231, 43-60	2.2	73
266	Continuous-wave operation above room temperature of GaSb-based laser diodes grown on Si. <i>Applied Physics Letters</i> , 2011 , 99, 121113	3.4	69
265	Nanoindentation of Si, GaP, GaAs and ZnSe single crystals. <i>Journal Physics D: Applied Physics</i> , 2003 , 36, L5-L9	3	59
264	GaSb-Based Laser, Monolithically Grown on Silicon Substrate, Emitting at 1.55 μm at Room Temperature. <i>IEEE Photonics Technology Letters</i> , 2010 , 22, 553-555	2.2	58
263	Silicon-on-insulator spectrometers with integrated GaInAsSb photodiodes for wide-band spectroscopy from 1510 to 2300 nm. <i>Optics Express</i> , 2013 , 21, 6101-8	3.3	57
262	Annealing effects on the crystal structure of GaInNAs quantum wells with large In and N content grown by molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2003 , 94, 2319-2324	2.5	56
261	Nanoscale analysis of the In and N spatial redistributions upon annealing of GaInNAs quantum wells. <i>Applied Physics Letters</i> , 2004 , 84, 2503-2505	3.4	54
260	Novel plastic strain-relaxation mode in highly mismatched III-V layers induced by two-dimensional epitaxial growth. <i>Applied Physics Letters</i> , 1995 , 66, 2265-2267	3.4	54
259	Silicon-based heterogeneous photonic integrated circuits for the mid-infrared. <i>Optical Materials Express</i> , 2013 , 3, 1523	2.6	52
258	Localized surface plasmon resonances in highly doped semiconductor nanostructures. <i>Applied Physics Letters</i> , 2012 , 101, 161113	3.4	48
257	Nature of the band gap in Zn _{1-x} BexSe alloys. <i>Physical Review B</i> , 2000 , 61, 5332-5336	3.3	46
256	Structural and optical properties of Al _{0.48} In _{0.52} As layers grown on InP by molecular beam epitaxy: Influence of the substrate temperature and of a buffer layer. <i>Journal of Applied Physics</i> , 1991 , 70, 7362-7369	2.5	45
255	Interfacial intermixing in InAs/GaSb short-period-superlattices grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2010 , 96, 021904	3.4	42

254	Study of evanescently-coupled and grating-assisted GaInAsSb photodiodes integrated on a silicon photonic chip. <i>Optics Express</i> , 2012 , 20, 11665-72	3-3	42
253	Interface analysis of InAs/GaSb superlattice grown by MBE. <i>Journal of Crystal Growth</i> , 2007 , 301-302, 889-892	1.6	42
252	Quantum cascade lasers grown on silicon. <i>Scientific Reports</i> , 2018 , 8, 7206	4-9	41
251	GaSbBi/GaSb quantum well laser diodes. <i>Applied Physics Letters</i> , 2017 , 110, 222106	3-4	40
250	Brewster "mode" in highly doped semiconductor layers: an all-optical technique to monitor doping concentration. <i>Optics Express</i> , 2014 , 22, 24294-303	3-3	38
249	Influence of alloy stability on the photoluminescence properties of GaAsN/GaAs quantum wells grown by molecular beam epitaxy. <i>Applied Physics Letters</i> , 2001 , 79, 3404-3406	3-4	38
248	GaInNAs/GaAs quantum wells grown by molecular-beam epitaxy emitting above 1.5 μm . <i>Applied Physics Letters</i> , 2003 , 82, 1845-1847	3-4	37
247	Decomposition in as-grown (Ga,In)(N,As) quantum wells. <i>Applied Physics Letters</i> , 2005 , 87, 171901	3-4	37
246	Structural and optical characterization of ZnSe single crystals grown by solid-phase recrystallization. <i>Journal of Applied Physics</i> , 1996 , 80, 2983-2989	2-5	37
245	Photoluminescence of virtual-surfactant grown InAs/Al _{0.48} In _{0.52} As single quantum wells. <i>Applied Physics Letters</i> , 1992 , 60, 2877-2879	3-4	37
244	Metamorphic III-V semiconductor lasers grown on silicon. <i>MRS Bulletin</i> , 2016 , 41, 218-223	3-2	37
243	Online characterization of regulated and unregulated gaseous and particulate exhaust emissions from two-stroke mopeds: a chemometric approach. <i>Analytica Chimica Acta</i> , 2012 , 717, 28-38	6.6	36
242	Room-temperature operation of a 2.25 μm electrically pumped laser fabricated on a silicon substrate. <i>Applied Physics Letters</i> , 2009 , 94, 061124	3-4	35
241	GaSb-based, 2.2 μm type-I laser fabricated on GaAs substrate operating continuous wave at room temperature. <i>Applied Physics Letters</i> , 2009 , 94, 023506	3-4	35
240	Long wavelength GaInNAs/GaAs quantum-well heterostructures grown by solid-source molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2000 , 77, 2189-2191	3-4	35
239	Surfactant-mediated molecular-beam epitaxy of III-V strained-layer heterostructures. <i>Journal of Crystal Growth</i> , 1995 , 150, 460-466	1.6	35
238	Photoluminescence study of ZnSe single crystals grown by solid-phase recrystallization. <i>Applied Physics Letters</i> , 1996 , 68, 1356-1358	3-4	35
237	Structural and optical properties of lattice-matched ZnBeSe layers grown by molecular-beam epitaxy onto GaAs substrates. <i>Applied Physics Letters</i> , 1997 , 70, 3564-3566	3-4	34

236	High temperature liquid phase epitaxy of (100) oriented GaInAsSb near the miscibility gap boundary. <i>Journal of Crystal Growth</i> , 1990 , 104, 683-694	1.6	34
235	Correlation between interface structure and light emission at 1.3-1.55 μm of (Ga,In)(N,As) diluted nitride heterostructures on GaAs substrates. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 2004 , 22, 2195		33
234	Vibrational evidence for a percolative behavior in Zn _{1-x} BexSe. <i>Physical Review B</i> , 2001 , 65,	3.3	33
233	2.5 μm GaInAsSb lattice-matched to GaSb by liquid phase epitaxy. <i>Journal of Applied Physics</i> , 1990 , 68, 5936-5938	2.5	33
232	Molecular beam epitaxy and characterization of high Bi content GaSbBi alloys. <i>Journal of Crystal Growth</i> , 2017 , 477, 144-148	1.6	32
231	Hetero-epitaxial growth of BexZn _{1-x} Se on Si(0 0 1) and GaAs(0 0 1) substrates. <i>Journal of Crystal Growth</i> , 1998 , 184-185, 11-15	1.6	32
230	From GaAs:N to oversaturated GaAsN: Analysis of the band-gap reduction. <i>Physical Review B</i> , 2004 , 69,	3.3	32
229	Interplay between the growth temperature, microstructure, and optical properties of GaInNAs quantum wells. <i>Applied Physics Letters</i> , 2003 , 82, 3451-3453	3.4	32
228	Mid-Infrared Semiconductor Lasers. <i>Semiconductors and Semimetals</i> , 2012 , 183-226	0.6	31
227	Correlations between structural and optical properties of GaInNAs quantum wells grown by MBE. <i>Journal of Crystal Growth</i> , 2003 , 251, 383-387	1.6	31
226	Spectroscopy of donor-acceptor pairs in nitrogen-doped ZnSe. <i>Physical Review B</i> , 1996 , 54, 4714-4721	3.3	31
225	Simulations of heteroepitaxial growth. <i>Journal of Crystal Growth</i> , 1997 , 178, 258-267	1.6	30
224	Evaluation of the potential of ZnSe and Zn(Mg)BeSe compounds for ultraviolet photodetection. <i>IEEE Journal of Quantum Electronics</i> , 2001 , 37, 1146-1152	2	30
223	Universal description of III-V/Si epitaxial growth processes. <i>Physical Review Materials</i> , 2018 , 2,	3.2	30
222	Room-temperature continuous-wave operation in the telecom wavelength range of GaSb-based lasers monolithically grown on Si. <i>APL Photonics</i> , 2017 , 2, 061301	5.2	30
221	Heterogeneous Integration of GaInAsSb p-i-n Photodiodes on a Silicon-on-Insulator Waveguide Circuit. <i>IEEE Photonics Technology Letters</i> , 2011 , 23, 1760-1762	2.2	28
220	Molecular-beam epitaxy of InSb/GaSb quantum dots. <i>Journal of Applied Physics</i> , 2007 , 101, 124309	2.5	28
219	Near-Field Thermophotovoltaic Conversion with High Electrical Power Density and Cell Efficiency above 14. <i>Nano Letters</i> , 2021 , 21, 4524-4529	11.5	28

218	X-ray diffraction study of GaSb grown by molecular beam epitaxy on silicon substrates. <i>Journal of Crystal Growth</i> , 2016 , 439, 33-39	1.6	27
217	Long-wave phonons in ZnSeBeSe mixed crystals: Raman scattering and percolation model. <i>Physical Review B</i> , 2004 , 70,	3.3	27
216	Growth limitations by the miscibility gap in liquid phase epitaxy of Ga _{1-x} In _x As _y Sb _{1-y} on GaSb. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1991 , 9, 125-128	3.1	26
215	InAs/Ga _{0.47} In _{0.53} As quantum wells: A new III-V materials system for light emission in the mid-infrared wavelength range. <i>Applied Physics Letters</i> , 1992 , 61, 2808-2810	3.4	26
214	Mid-infrared laser diodes epitaxially grown on on-axis (001) silicon. <i>Optica</i> , 2020 , 7, 263	8.6	26
213	Scattered light noise in gravitational wave interferometric detectors: A statistical approach. <i>Physical Review D</i> , 1997 , 56, 6085-6095	4.9	25
212	Virtual-surfactant epitaxy of strained InAs/Al _{0.48} In _{0.52} As quantum wells. <i>Applied Physics Letters</i> , 1993 , 62, 858-860	3.4	25
211	Interplay between Surface Stabilization, Growth Mode and Strain Relaxation during Molecular-Beam Epitaxy of Highly Mismatched III-V Semiconductor Layers. <i>Europhysics Letters</i> , 1994 , 25, 663-668	1.6	25
210	Mid-infrared GaSb-based EP-VCSEL emitting at 2.63 [micro sign]m. <i>Electronics Letters</i> , 2009 , 45, 265	1.1	24
209	Visible-blind ultraviolet photodetectors based on ZnMgBeSe Schottky barrier diodes. <i>Applied Physics Letters</i> , 2001 , 78, 4190-4192	3.4	24
208	Nanoindentation study of Zn _{1-x} BexSe heteroepitaxial layers. <i>Journal Physics D: Applied Physics</i> , 2002 , 35, 3015-3020	3	24
207	Raman study of Zn _x Be _{1-x} Se alloy (100) epitaxial layers. <i>Applied Physics Letters</i> , 2000 , 77, 519-521	3.4	24
206	Temperature dependence of the photoluminescence of Zn _{1-x} CdxSe/ZnSe strained-layer quantum wells. <i>Applied Physics Letters</i> , 1995 , 67, 103-105	3.4	24
205	Surface stoichiometry, epitaxial morphology and strain relaxation during molecular beam epitaxy of highly strained InAs/Ga _{0.47} In _{0.53} As heterostructures. <i>Journal of Crystal Growth</i> , 1994 , 135, 97-112	1.6	24
204	GaInAsSb/GaSb pn photodiodes for detection to 2.4 μm. <i>Electronics Letters</i> , 1991 , 27, 1237	1.1	24
203	Midwave infrared barrier detector based on Ga-free InAs/InAsSb type-II superlattice grown by molecular beam epitaxy on Si substrate. <i>Infrared Physics and Technology</i> , 2019 , 96, 39-43	2.7	24
202	High-density, uniform InSbGaSb quantum dots emitting in the midinfrared region. <i>Applied Physics Letters</i> , 2006 , 89, 263118	3.4	23
201	Highly doped semiconductor plasmonic nanoantenna arrays for polarization selective broadband surface-enhanced infrared absorption spectroscopy of vanillin. <i>Nanophotonics</i> , 2017 , 7, 507-516	6.3	22

200	Silicon surface preparation for III-V molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2015 , 413, 17-24	1.6	22
199	GaSb-based VCSELs emitting in the mid-infrared wavelength range (2.8 μ m) grown by MBE. <i>Journal of Crystal Growth</i> , 2009 , 311, 1912-1916	1.6	22
198	Zn(Mg)BeSe-based p-i-n photodiodes operating in the blue-violet and near-ultraviolet spectral range. <i>Applied Physics Letters</i> , 2000 , 76, 242-244	3.4	22
197	Defect control during growth of highly mismatched (100) InAsGaAs-heterostructures. <i>Journal of Crystal Growth</i> , 1995 , 146, 368-373	1.6	22
196	Growth mechanism of GaAs on (110) GaAs studied by high-energy electron diffraction and atomic force microscopy. <i>Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , 1994 , 12, 2574		22
195	Silicon-on-insulator shortwave infrared wavelength meter with integrated photodiodes for on-chip laser monitoring. <i>Optics Express</i> , 2014 , 22, 27300-8	3.3	21
194	Interface properties of (Ga,In)(N,As) and (Ga,In)(As,Sb) materials systems grown by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2009 , 311, 1739-1744	1.6	21
193	Self-compensation in nitrogen-doped ZnSe. <i>Physical Review B</i> , 1997 , 56, R1657-R1660	3.3	21
192	Spectroscopy of the phosphorus impurity in ZnSe epitaxial layers grown by molecular-beam epitaxy. <i>Physical Review B</i> , 2000 , 61, 15789-15796	3.3	21
191	Liquid phase epitaxy and characterization of InAs _{1-x-y} Sb _x P _y on (100) InAs. <i>Journal of Crystal Growth</i> , 1992 , 121, 463-472	1.6	20
190	New III-V double-heterojunction laser emitting near 3.2 μ m. <i>Electronics Letters</i> , 1988 , 24, 1542	1.1	20
189	Subpicosecond timescale carrier dynamics in GaInAsSb/AlGaAsSb double quantum wells emitting at 2.3 μ m. <i>Applied Physics Letters</i> , 2008 , 92, 101931	3.4	19
188	Single-mode monolithic GaSb Vertical-Cavity Surface-Emitting Laser. <i>Optics Express</i> , 2012 , 20, 15540-6	3.3	18
187	ZnSe-based Schottky barrier photodetectors. <i>Electronics Letters</i> , 2000 , 36, 352	1.1	18
186	Anti phase boundary free GaSb layer grown on 300 mm (001)-Si substrate by metal organic chemical vapor deposition. <i>Thin Solid Films</i> , 2018 , 645, 5-9	2.2	17
185	Defect density in ZnSe pseudomorphic layers grown by molecular beam epitaxy on to various GaAs buffer layers. <i>Journal of Crystal Growth</i> , 1998 , 192, 102-108	1.6	17
184	High-density InSb-based quantum dots emitting in the mid-infrared. <i>Journal of Crystal Growth</i> , 2007 , 301-302, 713-717	1.6	17
183	Percolation-based vibrational picture to estimate nonrandom N substitution in GaAsN alloys. <i>Applied Physics Letters</i> , 2003 , 82, 2808-2810	3.4	17

182	Evidence of N-related compensating donors in lightly doped ZnSe:N. <i>Applied Physics Letters</i> , 1999 , 74, 2200-2202	3-4	17
181	Analysis of epitaxial GaIn δ As/InP and AlyIn δ As/InP interface region by high resolution x-ray diffraction. <i>Applied Physics Letters</i> , 1993 , 62, 149-151	3-4	17
180	Strained InAs single quantum wells embedded in a Ga _{0.47} In _{0.53} As matrix. <i>Applied Physics Letters</i> , 1992 , 61, 846-848	3-4	17
179	Micron-sized liquid nitrogen-cooled indium antimonide photovoltaic cell for near-field thermophotovoltaics. <i>Optics Express</i> , 2019 , 27, A11-A24	3-3	17
178	Localized surface plasmon resonance frequency tuning in highly doped InAsSb/GaSb one-dimensional nanostructures. <i>Nanotechnology</i> , 2016 , 27, 425201	3-4	16
177	Effect of nitrogen on the band structure and material gain of In _{sub y} /Ga _{sub 1-y} /As _{sub 1-x} /Nx-GaAs quantum wells. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003 , 9, 716-722	3-8	15
176	Anisotropic misfit dislocation nucleation in two-dimensional grown InAs/GaAs(001) heterostructures. <i>Applied Physics Letters</i> , 1998 , 73, 1074-1076	3-4	15
175	Microstructure and interface analysis of emerging Ga(Sb,Bi) epilayers and Ga(Sb,Bi)/GaSb quantum wells for optoelectronic applications. <i>Applied Physics Letters</i> , 2018 , 112, 151905	3-4	14
174	Mid-infrared characterization of refractive indices and propagation losses in GaSb/Al δ Ga δ AsSb waveguides. <i>Applied Physics Letters</i> , 2015 , 107, 171901	3-4	14
173	Isoelectronic traps in heavily doped GaAs:(In,N). <i>Physical Review B</i> , 2003 , 68,	3-3	14
172	Raman study of Zn δ Be δ Se/GaAs systems with low Be content ($\delta > 0.20$). <i>Journal of Applied Physics</i> , 2002 , 91, 9187-9197	2-5	14
171	p-type doping of Zn(Mg)BeSe epitaxial layers. <i>Applied Physics Letters</i> , 1999 , 75, 382-384	3-4	14
170	Zinc-blende group III-V/group IV epitaxy: Importance of the miscut. <i>Physical Review Materials</i> , 2020 , 4,	3-2	14
169	Type I GaSb $1-x$ Bi x /GaSb quantum wells dedicated for mid infrared laser applications: Photoreflectance studies of bandgap alignment. <i>Journal of Applied Physics</i> , 2019 , 125, 205706	2-5	13
168	Mid-IR GaSb-Based Bipolar Cascade VCSELs. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 882-884	2-2	13
167	Heteroepitaxial growth of BeSe on vicinal Si(001) surfaces. <i>Applied Physics Letters</i> , 1998 , 73, 957-959	3-4	13
166	Overlayer strain: A key to directly tune the topography of high-index semiconductor surfaces. <i>Applied Physics Letters</i> , 1993 , 63, 3300-3302	3-4	13
165	Influence of the Growth Mode on the Microstructure of Highly Mismatched InAs/GaAs Heterostructures. <i>Physica Status Solidi A</i> , 1994 , 145, 481-489		13

164	Virtual-surfactant-induced wetting in strained-layer heteroepitaxy. <i>Applied Physics A: Solids and Surfaces</i> , 1993 , 56, 91-94		13
163	Temperature-dependent terahertz spectroscopy of inverted-band three-layer InAs/GaSb/InAs quantum well. <i>Physical Review B</i> , 2018 , 97,	3.3	13
162	InAs-based quantum cascade lasers grown on on-axis (001) silicon substrate. <i>APL Photonics</i> , 2020 , 5, 041302	3.02	12
161	Optical performances of InAs/GaSb/InSb short-period superlattice laser diode for mid-infrared emission. <i>Journal of Applied Physics</i> , 2010 , 108, 093107	2.5	12
160	New results on the solid-phase recrystallisation of ZnSe. <i>Journal of Crystal Growth</i> , 1998 , 184-185, 1021-1025	10.25	12
159	InAs/GaSb short-period superlattice injection lasers operating in 2.5 [micro sign]m-3.5 [micro sign]m mid-infrared wavelength range. <i>Electronics Letters</i> , 2007 , 43, 1285	1.1	12
158	Molecular-beam epitaxy of high-quality ZnSe homo-epitaxial layers on solid-phase recrystallized substrates. <i>Applied Physics Letters</i> , 1996 , 69, 3221-3223	3.4	12
157	Virtual-surfactant epitaxy of InAs quantum wells. <i>Journal of Crystal Growth</i> , 1993 , 127, 765-769	1.6	12
156	Indium antimonide photovoltaic cells for near-field thermophotovoltaics. <i>Solar Energy Materials and Solar Cells</i> , 2019 , 203, 110190	6.4	11
155	Low-loss orientation-patterned GaSb waveguides for mid-infrared parametric conversion. <i>Optical Materials Express</i> , 2017 , 7, 3011	2.6	11
154	GaSb-based composite quantum wells for laser diodes operating in the telecom wavelength range near 1.55-µm. <i>Applied Physics Letters</i> , 2015 , 106, 101102	3.4	11
153	Highly tensile-strained, type-II, Ga _{1-x} In _x As/GaSb quantum wells. <i>Applied Physics Letters</i> , 2010 , 96, 062109	3.4	11
152	Modelling of an InAs/GaSb/InSb short-period superlattice laser diode for mid-infrared emission by the k.p method. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 325102	3	11
151	InAs/GaSb/InSb short-period super-lattice diode lasers emitting near 3.3 [micro sign]m at room-temperature. <i>Electronics Letters</i> , 2009 , 45, 165	1.1	11
150	(001) GaAs substrate preparation for direct ZnSe heteroepitaxy. <i>Journal of Applied Physics</i> , 1997 , 81, 7012-7017	2.5	11
149	Electronic structure and radiative lifetimes of ideal Zn _{1-x} Be _x Se alloys. <i>Solid State Communications</i> , 2002 , 123, 209-212	1.6	11
148	Photoluminescence spectroscopy of Ga(In)NAs quantum wells for emission at 1.5 µm. <i>Solid-State Electronics</i> , 2003 , 47, 477-482	1.7	11
147	Molecular-beam epitaxy of BeTe layers on GaAs substrates studied via reflection high-energy electron diffraction. <i>Applied Physics Letters</i> , 1998 , 72, 2859-2861	3.4	11

146	Ohmic contacts to p-type ZnSe using a ZnSe/BeTe superlattice. <i>Applied Physics Letters</i> , 1999 , 75, 3345-3347	3.4	11
145	New developments in the heteroepitaxial growth of Be-chalcogenides based semiconducting alloys. <i>Journal of Electronic Materials</i> , 1999 , 28, 662-665	1.9	11
144	Structural characterization of lattice matched Al _x In _{1-x} As/InP and GaIn _{1-y} As/InP heterostructures by transmission electron microscopy and high-resolution x-ray diffraction. <i>Journal of Applied Physics</i> , 1995 , 78, 2403-2410	2.5	11
143	Long-wavelength strained-layer InAs/GaInAs single-quantum-well laser grown by molecular beam epitaxy on InP substrate. <i>Electronics Letters</i> , 1993 , 29, 1255	1.1	11
142	Characteristic temperature T ₀ of Ga _{0.83} In _{0.17} As _{0.15} Sb _{0.85} /Al _{0.27} Ga _{0.73} As _{0.02} Sb _{0.98} injection lasers. <i>Electronics Letters</i> , 1988 , 24, 1076	1.1	11
141	A Stress-Free and Textured GaP Template on Silicon for Solar Water Splitting. <i>Advanced Functional Materials</i> , 2018 , 28, 1801585	15.6	11
140	Characterization of antimonide based material grown by molecular epitaxy on vicinal silicon substrates via a low temperature AlSb nucleation layer. <i>Journal of Crystal Growth</i> , 2017 , 477, 65-71	1.6	10
139	Issues in molecular-beam epitaxy of ZnSe-based heterostructures for blue-green lasers. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1997 , 43, 21-28	3.1	10
138	The phosphorus acceptor in ZnSe. <i>Journal of Crystal Growth</i> , 1998 , 184-185, 515-519	1.6	10
137	Does In-bonding delay GaN-segregation in GaInAsN? A Raman study. <i>Applied Physics Letters</i> , 2004 , 85, 5872-5874	3.4	10
136	Molecular beam epitaxial growth and characterization of Be(Zn)Se on Si(0 0 1) and GaAs(0 0 1). <i>Journal of Crystal Growth</i> , 2000 , 214-215, 95-99	1.6	10
135	Selective growth of ordered hexagonal InN nanorods. <i>CrystEngComm</i> , 2019 , 21, 2702-2708	3.3	9
134	Recombination channels in 2.4 μm GaInAsSb quantum-well lasers. <i>Semiconductor Science and Technology</i> , 2013 , 28, 015015	1.8	9
133	Surface-enhanced infrared absorption with Si-doped InAsSb/GaSb nano-antennas. <i>Optics Express</i> , 2017 , 25, 26651-26661	3.3	9
132	Type II transition in InSb-based nanostructures for midinfrared applications. <i>Journal of Applied Physics</i> , 2008 , 103, 114516	2.5	9
131	MBE growth and interface formation of compound semiconductor heterostructures for optoelectronics. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 2683-2696	1.3	9
130	Current Activity in CNRS-Sophia Antipolis Regarding Wide-Gap III-VI Materials. <i>Physica Status Solidi (B): Basic Research</i> , 1995 , 187, 457-466	1.3	9
129	Optical properties of InAs quantum wells emitting between 0.9 μm and 2.5 μm. <i>Semiconductor Science and Technology</i> , 1993 , 8, S236-S239	1.8	9

128	Interface energy analysis of III \bar{V} islands on Si (001) in the Volmer-Weber growth mode. <i>Applied Physics Letters</i> , 2018 , 113, 191601	3.4	9
127	Fano-like resonances sustained by Si doped InAsSb plasmonic resonators integrated in GaSb matrix. <i>Optics Express</i> , 2015 , 23, 29423-33	3.3	8
126	Selective lateral etching of InAs/GaSb tunnel junctions for mid-infrared photonics. <i>Semiconductor Science and Technology</i> , 2012 , 27, 085011	1.8	8
125	Non-random Be-to-Zn substitution in ZnBeSe alloys: Raman scattering and ab initio calculations. <i>European Physical Journal B</i> , 2010 , 73, 461-469	1.2	8
124	New results and trends in the solid phase recrystallization of ZnSe. <i>Materials Letters</i> , 1998 , 36, 162-166	3.3	8
123	Conduction-band crossover induced by misfit strain in InSb/GaSb self-assembled quantum dots. <i>Physical Review B</i> , 2007 , 76,	3.3	8
122	Structural and optical properties of InSb quantum dots for mid-IR applications. <i>Physica Status Solidi (B): Basic Research</i> , 2006 , 243, 3959-3962	1.3	8
121	Wide-band-gap ZnMgBeSe alloys grown onto GaAs by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2001 , 223, 461-465	1.6	8
120	Direct evidence for the trigonal symmetry of shallow phosphorus acceptors in ZnSe. <i>Physical Review B</i> , 2001 , 64,	3.3	8
119	Tunable generation of nanometer-scale corrugations on high-index III-V semiconductor surfaces. <i>Physical Review B</i> , 1994 , 49, 11053-11059	3.3	8
118	Growth by liquid phase epitaxy and characterization of GaInAsSb and InAsSbP alloys for mid-infrared applications (2-3 μ m) 1991 ,		8
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