

Stanko Tomic, FinstP

List of Publications by Year in descending order

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135
papers

2,819
citations

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189892
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138
all docs

138
docs citations

138
times ranked

2379
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | The group III-V's semiconductor energy gaps predicted using the B3LYP hybrid functional. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2125-2127. | 2.7 | 146 |
| 2 | Tight-binding and $k\cdot p$ models for the electronic structure of Ga(In)NAs and related alloys. <i>Semiconductor Science and Technology</i> , 2002, 17, 870-879. | 2.0 | 140 |
| 3 | Theoretical and experimental analysis of $1.3-\frac{1}{4}m$ InGaAsN/GaAs lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003, 9, 1228-1238. | 2.9 | 137 |
| 4 | A quantitative study of radiative, Auger, and defect related recombination processes in $1.3-\frac{1}{4}m$ GaInNAs-based quantum-well lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2002, 8, 801-810. | 2.9 | 136 |
| 5 | Absorption characteristics of a quantum dot array induced intermediate band: Implications for solar cell design. <i>Applied Physics Letters</i> , 2008, 93, 263105. | 3.3 | 135 |
| 6 | Intermediate-band solar cells: Influence of band formation on dynamical processes in InAs/GaAs quantum dot arrays. <i>Physical Review B</i> , 2010, 82, . | 3.2 | 104 |
| 7 | Influence of conduction-band nonparabolicity on electron confinement and effective mass in $\text{InGa}_{x}\text{As}_{1-x}\text{GaAs}$ quantum wells. <i>Physical Review B</i> , 2004, 69, . | 3.2 | 94 |
| 8 | Second-order piezoelectricity in wurtzite III-N semiconductors. <i>Physical Review B</i> , 2011, 84, . | 3.2 | 88 |
| 9 | Intermediate-band dynamics of quantum dots solar cell in concentrator photovoltaic modules. <i>Scientific Reports</i> , 2014, 4, 4792. | 3.3 | 88 |
| 10 | Parallel multi-band $k\cdot p$ -code for electronic structure of zinc blend semiconductor quantum dots. <i>Journal of Materials Chemistry</i> , 2006, 16, 1963-1972. | 6.7 | 78 |
| 11 | Electronic and optical properties of reduced graphene oxide. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7632-7641. | 5.5 | 78 |
| 12 | Electronic structure of $\text{In}_{y}\text{Ga}_{1-y}\text{As}_{1-x}\text{Nx}/\text{GaAs}$ multiple quantum wells in the dilute-N regime from pressure and p -studies. <i>Physical Review B</i> , 2002, 66, . | 3.2 | 65 |
| 13 | Quantum Engineering of InAs/GaAs Quantum Dot Based Intermediate Band Solar Cells. <i>ACS Photonics</i> , 2017, 4, 2745-2750. | 6.6 | 64 |
| 14 | Defect physics of Cu_{GaS} . <i>Physical Review B</i> , 2010, 81, . | 3.2 | 62 |
| 15 | First-principles optical response of semiconductors and oxide materials. <i>Physical Review B</i> , 2011, 83, . | 3.2 | 51 |
| 16 | Electronic and Optical Structure of Wurtzite CuInS_2 . <i>Journal of Physical Chemistry C</i> , 2014, 118, 14478-14484. | 3.1 | 49 |
| 17 | Interband transitions of quantum wells and device structures containing $\text{Ga}(N, As)$ and $(\text{Ga}, \text{In})(N, As)$. <i>Semiconductor Science and Technology</i> , 2002, 17, 830-842. | 2.0 | 43 |
| 18 | Plane wave methodology for single quantum dot electronic structure calculations. <i>Journal of Applied Physics</i> , 2008, 103, . | 2.5 | 43 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Excitonic and biexcitonic properties of single GaN quantum dots modeled by 8-band theory and configuration-interaction method. <i>Physical Review B</i> , 2009, 79, . | 3.2 | 42 |
| 20 | Gain characteristics of ideal dilute nitride quantum well lasers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 1102-1105. | 2.7 | 41 |
| 21 | Fluorescence of colloidal PbSe/PbS QDs in NIR luminescent solar concentrators. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16223. | 2.8 | 40 |
| 22 | Intersubband gain without global inversion through dilute nitride band engineering. <i>Applied Physics Letters</i> , 2011, 98, . | 3.3 | 37 |
| 23 | In-plane coupling effect on absorption coefficients of InAs/GaAs quantum dots arrays for intermediate band solar cell. <i>Progress in Photovoltaics: Research and Applications</i> , 2015, 23, 546-558. | 8.1 | 36 |
| 24 | Parallel implementation of the ab initio CRYSTAL program: electronic structure calculations for periodic systems. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2011, 467, 2112-2126. | 2.1 | 35 |
| 25 | Chemistry of defect induced photoluminescence in chalcopyrites: The case of CuAlS ₂ . <i>Journal of Applied Physics</i> , 2011, 109, . | 2.5 | 35 |
| 26 | Geometric structure of TiO_{2} confirming experimental conclusions. <i>Physical Review B</i> , 2010, 81, . | 3.2 | 34 |
| 27 | Broadband Cooling Spectra of Hot Electrons and Holes in PbSe Quantum Dots. <i>ACS Nano</i> , 2017, 11, 6286-6294. | 14.6 | 34 |
| 28 | Optimization of intersubband resonant second-order susceptibility in asymmetric graded Al _x Ga _{1-x} As quantum wells using supersymmetric quantum mechanics. <i>Physical Review B</i> , 1997, 56, 1033-1036. | 3.2 | 32 |
| 29 | Optimization of material parameters in 1.3-1.4 m InGaAsN-GaAs lasers. <i>IEEE Photonics Technology Letters</i> , 2003, 15, 6-8. | 2.5 | 32 |
| 30 | Derivation of a 10-band model for dilute nitride semiconductors. <i>Solid-State Electronics</i> , 2003, 47, 443-446. | 1.4 | 31 |
| 31 | Electronic structure of In _y Ga _{1-y} As _{1-x} N _x -GaAs(N) quantum dots by ten-band k-p theory. <i>Physical Review B</i> , 2006, 73, . | 3.2 | 29 |
| 32 | Symmetry reduction in multiband Hamiltonians for semiconductor quantum dots: The role of interfaces and higher energy bands. <i>Journal of Applied Physics</i> , 2011, 110, . | 2.5 | 29 |
| 33 | Effect of Sb induced type II alignment on dynamical processes in InAs/GaAs/GaAsSb quantum dots: Implication to solar cell design. <i>Applied Physics Letters</i> , 2013, 103, . | 3.3 | 29 |
| 34 | Influence of elevated radiative lifetime on efficiency of CdSe/CdTe Type II colloidal quantum dot based solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017, 159, 657-663. | 6.2 | 29 |
| 35 | On inhibiting Auger intraband relaxation in InAs/GaAs quantum dot intermediate band solar cells. <i>Applied Physics Letters</i> , 2011, 99, . | 3.3 | 28 |
| 36 | Influence of confinement energy and band anticrossing effect on the electron effective mass in In _y Ga _{1-y} As _{1-x} N _x quantum wells. <i>Physical Review B</i> , 2005, 71, . | 3.2 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | The Importance of Recombination via Excited States in InAs/GaAs μ m Quantum-Dot Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 799-807. | 2.9 | 27 |
| 38 | Theoretical analysis of strain and strain decay in InAs-GaAs(001) multilayer quantum dot growth. Journal of Applied Physics, 2006, 99, 093522. | 2.5 | 25 |
| 39 | Evidence of carrier leakage into the L-valley in InAs-based quantum cascade lasers under high hydrostatic pressure. Physica Status Solidi (B): Basic Research, 2009, 246, 512-515. | 1.5 | 23 |
| 40 | Non-linear piezoelectricity in zinc blende GaAs and InAs semiconductors. Journal of Applied Physics, 2013, 114, 073515. | 2.5 | 23 |
| 41 | The optimization of optical gain in the intersubband quantum well laser. Journal of Applied Physics, 2000, 87, 7965-7972. | 2.5 | 20 |
| 42 | Visible Spectrum Quantum Light Sources Based on $\text{In}_{x}\text{Ga}_{1-x}\text{N}$ Quantum Dots. ACS Photonics, 2015, 2, 958-963. | 6.6 | 20 |
| 43 | Monitoring the non-parabolicity of the conduction band in $\text{GaN}_{0.018}\text{As}_{0.982}/\text{GaAs}$ quantum wells. Solid-State Electronics, 2003, 47, 437-441. | 1.4 | 19 |
| 44 | Efficient Steplike Carrier Multiplication in Percolative Networks of Epitaxially Connected PbSe Nanocrystals. ACS Nano, 2018, 12, 378-384. | 14.6 | 19 |
| 45 | Gain-maximized GaAs/AlGaAs quantum-cascade laser with digitally graded active region. Applied Physics Letters, 2002, 81, 2163-2165. | 3.3 | 18 |
| 46 | High-pressure studies of recombination mechanisms in $1.3-\frac{1}{4}m$ GaInNAs quantum-well lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 1196-1201. | 2.9 | 17 |
| 47 | Low Energy Electron Diffraction Study of $\text{TiO}_{2}(110)(2 \text{ \AA}-1)-[\text{HCOO}]^{+}$. Journal of Physical Chemistry C, 2008, 112, 14154-14157. | 3.1 | 17 |
| 48 | Design of Core/Shell Colloidal Quantum Dots for MEG Solar Cells. IEEE Journal of Photovoltaics, 2016, 6, 179-184. | 2.5 | 17 |
| 49 | Theoretical analysis of GaAs/AlGaAs quantum dots in quantum wire array for intermediate band solar cell. Journal of Renewable and Sustainable Energy, 2014, 6, 011206. | 2.0 | 16 |
| 50 | Effect of Correlation and Dielectric Confinement on $1S_{1/2}$ Excitons in CdTe/CdSe and CdSe/CdTe Type-II Quantum Dots. Journal of Physical Chemistry C, 2015, 119, 12720-12730. | 3.1 | 16 |
| 51 | Effect of Correlation and Dielectric Confinement on $1S_{1/2}$ Excitons in CdTe/CdSe and CdSe/CdTe Type-II Quantum Dots. Journal of Physical Chemistry C, 2015, 119, 12720-12730. | 3.1 | 16 |
| 52 | Exciton states and oscillator strengths in a cylindrical quantum wire with finite potential under transverse electric field. Journal of Applied Physics, 2012, 112, . | 2.5 | 15 |
| 53 | Importance of non linear piezoelectric effect in Wurtzite III-N semiconductors. Optical and Quantum Electronics, 2012, 44, 195-203. | 3.3 | 15 |
| 54 | Energy structure of CdSe/CdTe type II colloidal quantum dots—Do phonon bottlenecks remain for thick shells?. Solar Energy Materials and Solar Cells, 2016, 158, 160-167. | 6.2 | 14 |

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| 55 | Experimental demonstration of energy-transfer ratchet intermediate-band solar cell. Communications Physics, 2021, 4, . | 5.3 | 14 |
| 56 | Analysis of energy gap opening in graphene oxide. Journal of Physics: Conference Series, 2014, 526, 012003. | 0.4 | 13 |
| 57 | Determining the band-structure of an InGaNAs/GaAs semiconductor laser structure using non-destructive photomodulated reflectance measurements and kÅ·p studies. Solid State Communications, 2003, 125, 155-159. | 1.9 | 12 |
| 58 | Unusual increase of the Auger recombination current in 1.3 1/4m GaInNAs quantum-well lasers under high pressure. Applied Physics Letters, 2003, 82, 2335-2337. | 3.3 | 12 |
| 59 | Spectroscopy of GaAs \AA AlGaAs quantum-cascade lasers using hydrostatic pressure. Applied Physics Letters, 2006, 89, 221105. | 3.3 | 12 |
| 60 | Optical response of extended systems from time-dependent Hartree-Fock and time-dependent density-functional theory. Journal of Physics: Conference Series, 2012, 367, 012001. | 0.4 | 12 |
| 61 | The optical gain and radiative current density of GaInNAs/GaAs/AlGaAs separate confinement heterostructure quantum well lasers. Journal of Applied Physics, 2010, 107, 013107. | 2.5 | 11 |
| 62 | Automated design of multi junction solar cells by genetic approach: Reaching the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0047.gif" overflow="scroll"> <mml:mrow> <mml:mo stretchy="false">> </mml:mo> <mml:mn>50</mml:mn> <mml:mo>%</mml:mo> </mml:mrow> </mml:math> efficiency target. Solar Energy Materials and Solar Cells, 2018, 181, 30-37. | 6.2 | 11 |
| 63 | Genetic algorithm designed high efficiency laser power converters based on the vertical epitaxial heterostructure architecture. Solar Energy Materials and Solar Cells, 2019, 200, 109878. | 6.2 | 10 |
| 64 | Ab initio study of structural and electronic properties of partially reduced graphene oxide. Physica Scripta, 2014, T162, 014019. | 2.5 | 9 |
| 65 | N-Composition and Pressure Dependence of the Inter Band Transitions of Ga(N,As)/GaAs Quantum Wells. High Pressure Research, 2002, 22, 293-297. | 1.2 | 8 |
| 66 | Investigation of 1.3-1/4m GaInNAd vertical-cavity surface-emitting lasers (VCSELs) using temperature, high-pressure, and modeling techniques. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 1202-1208. | 2.9 | 8 |
| 67 | Temperature and pressure dependence of the recombination mechanisms in 1.3 1/4m and 1.5 1/4m GaInNAs lasers. Physica Status Solidi (B): Basic Research, 2007, 244, 208-212. | 1.5 | 8 |
| 68 | Electronic structure of QD arrays: application to intermediate-band solar cells. Optical and Quantum Electronics, 2008, 40, 313-318. | 3.3 | 8 |
| 69 | Optimization of nonlinear optical rectification in quantum wells using the supersymmetric quantum mechanics. Optics Communications, 1997, 143, 214-218. | 2.1 | 7 |
| 70 | Quantum well shape tailoring via inverse spectral theory: optimizing resonant second-harmonic generation. Journal of Physics Condensed Matter, 1998, 10, 6523-6532. | 1.8 | 7 |
| 71 | Gain optimization in optically pumped AlGaAs unipolar quantum-well lasers. IEEE Journal of Quantum Electronics, 2001, 37, 1337-1344. | 1.9 | 7 |
| 72 | Pressure and k Å· p studies of band parameters in dilute-N GaInNAs/GaAs multiple quantum wells. Physica Status Solidi (B): Basic Research, 2003, 235, 384-389. | 1.5 | 6 |

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| 73 | Optical properties of dilute nitrogen GaInNAs quantum dots. <i>Applied Physics Letters</i> , 2007, 90, 121115. | | 3.3 | 6 |
| 74 | Calculating charged defects using CRYSTAL. <i>Journal of Physics: Conference Series</i> , 2010, 242, 012004. | | 0.4 | 6 |
| 75 | Theoretical studies of excitons in type II CdSe/CdTe quantum dots. <i>Journal of Physics: Conference Series</i> , 2014, 526, 012005. | | 0.4 | 6 |
| 76 | Multiscale in modelling and validation for solar photovoltaics. <i>EPJ Photovoltaics</i> , 2018, 9, 10. | | 1.6 | 6 |
| 77 | Analytical description of stripping foil extraction from isochronous cyclotrons. <i>Physical Review E</i> , 2002, 65, 036504. | | 2.1 | 5 |
| 78 | Interdiffusion-based optimal quantum-well profile shaping for unipolar quantum-fountain lasers. <i>Journal of Applied Physics</i> , 2002, 91, 4801-4805. | | 2.5 | 5 |
| 79 | Spectroscopic characterization of 1450 nm semiconductor pump laser structures for Raman amplifiers. <i>Journal of Applied Physics</i> , 2003, 93, 9446-9455. | | 2.5 | 5 |
| 80 | Optimization of gain in intersubband quantum well lasers by supersymmetry. <i>Physical Review B</i> , 2000, 62, 16681-16685. | | 3.2 | 4 |
| 81 | Carrier recombination processes in MOVPE and MBE grown $1.3\frac{1}{4}m$ GaInNAs edge emitting lasers. <i>Solid-State Electronics</i> , 2003, 47, 501-506. | | 1.4 | 4 |
| 82 | Optimization of InAs/AlInAs quantum wells based up-converter for silicon solar cells. <i>Journal of Applied Physics</i> , 2011, 110, . | | 2.5 | 4 |
| 83 | Effect of Thermal Annealing on Absorption and Hole Escape Processes in Type II GaSb/GaAs Quantum Dots: Implications for Solar Cell Design. <i>IEEE Journal of Photovoltaics</i> , 2019, 9, 1144-1153. | | 2.5 | 4 |
| 84 | Quantum well shape tailoring via inverse spectral theory: Optimization of nonlinear optical rectification. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998, 238, 385-389. | | 2.1 | 3 |
| 85 | Hydrostatic pressure dependence of recombination mechanisms in GaInNAs, InGaAsP and AlGaInAs $1.3\frac{1}{4}m$ quantum well lasers. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 235, 474-479. | | 1.5 | 3 |
| 86 | Quantifying pressure-dependent recombination currents in GaInNAs lasers using spontaneous emission measurements. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 235, 486-490. | | 1.5 | 3 |
| 87 | Wavelength control across the near IR spectrum with GaInNAs. <i>Applied Physics Letters</i> , 2007, 90, 032109. | | 3.3 | 3 |
| 88 | Hydrostatic pressure experiments on dilute nitride alloys. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 24-31. | | 1.5 | 3 |
| 89 | Absorption characteristics of intermediate band solar cell. , 2010, , . | | 3 | |
| 90 | Digitally graded active region for optically pumped intersubband lasers and nonlinear wavelength convertors. <i>Journal of Applied Physics</i> , 2002, 91, 9423-9425. | | 2.5 | 2 |

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| 91 | Gain-cavity alignment profiling of 1.3 μ m emitting GaInNAs vertical cavity surface emitting lasers (VCSELs) using high pressure techniques. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 235, 480-485. | 1.5 | 2 |
| 92 | Theory of electron confinement and electron effective mass in dilute nitride alloys and heterostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2004, 241, 3099-3106. | 1.5 | 2 |
| 93 | The effect of hydrostatic pressure on the operation of quantum cascade lasers. <i>Proceedings of SPIE</i> , 2009, , . | 0.8 | 2 |
| 94 | Absorption characteristics of reduced graphene oxide: Application to TCO and solar cells active region. , 2015, , . | | 2 |
| 95 | Gain optimization in intersubband quantum well lasers by inverse spectral theory. <i>Solid State Communications</i> , 1999, 113, 221-226. | 1.9 | 1 |
| 96 | Application of a precise fiber-optical dee position measurement system in the cyclotron RF system design. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999, 425, 460-468. | 1.6 | 1 |
| 97 | Gain optimization in electrically pumped AlGaAs quantum cascade lasers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 2357. | 2.1 | 1 |
| 98 | Digitally graded GaAs/Al0.44Ga0.56As quantum-cascade laser. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 17, 620-622. | 2.7 | 1 |
| 99 | Physical properties of short wavelength 2.6- μ m InAs/AlSb-based quantum cascade lasers. , 2010, , . | | 1 |
| 100 | Strain dependence of internal displacement and effective charge in wurtzite III-N semiconductors. <i>Journal of Physics: Conference Series</i> , 2012, 367, 012006. | 0.4 | 1 |
| 101 | Radiative and non-radiative processes in intermediate band solar cells. , 2012, , . | | 1 |
| 102 | In-plane coupling effect in InAs/GaAs quantum dots arrays for intermediate band solar cell. , 2013, , . | | 1 |
| 103 | Frequency up-conversion in nonpolar a-plane GaN/AlGaN based multiple quantum wells optimized for applications with silicon solar cells. <i>Journal of Applied Physics</i> , 2014, 116, 033703. | 2.5 | 1 |
| 104 | Quantum dot array based intermediate band solar cell: Effect of light concentration. , 2015, , . | | 1 |
| 105 | Influence of dielectric environment on exciton and bi-exciton properties in colloidal, type II quantum dots. <i>Journal of Physics: Conference Series</i> , 2015, 609, 012003. | 0.4 | 1 |
| 106 | Characterization of 1.3- μ m wavelength GaInNAs/GaAs edge-emitting and vertical-cavity surface-emitting lasers using low temperature and high pressure. , 2002, 4905, 183. | | 0 |
| 107 | On the interdiffusion-based quantum cascade laser. <i>IEEE Photonics Technology Letters</i> , 2002, 14, 1067-1069. | 2.5 | 0 |
| 108 | Gain optimization in optically pumped unipolar quantum-well lasers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002, 13, 862-865. | 2.7 | 0 |

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| 109 | Modelling of the InGaAsN/GaAs(N) quantum dots by 10-band k.p theory., 0, ,. | 0 | 0 |
| 110 | Electronic and optical properties of dilute nitrogen quantum dots. IEE Proceedings: Optoelectronics, 2006, 153, 293-298. | 0.8 | 0 |
| 111 | Analysis of Strain-Decay in InAs/GaAs(001) Multilayer Quantum Dot Growth. AIP Conference Proceedings, 2007, , . | 0.4 | 0 |
| 112 | Electronic structure of the dilute nitrogen quantum dots. AIP Conference Proceedings, 2007, , . | 0.4 | 0 |
| 113 | Design issues of 1.55 \AA emitting GaInNAs quantum dots., 2007, , . | 0 | 0 |
| 114 | Electronic structure of QD arrays: Application to intermediate-band solar cells. , 2007, , . | 0 | 0 |
| 115 | Design issues of 1.55 \AA emitting GaInNAs quantum dots. Optical and Quantum Electronics, 2008, 40, 307-311. | 3.3 | 0 |
| 116 | Introduction to the OQE special issue on numerical simulation of optoelectronic devices (2008). Optical and Quantum Electronics, 2008, 40, 1075-1076. | 3.3 | 0 |
| 117 | An efficient method for multi-band plane wave CI calculations in semiconductor QD's. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1924-1925. | 2.7 | 0 |
| 118 | Theoretical analysis of emitting GaInNAs QD's on different substrates. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1955-1957. | 2.7 | 0 |
| 119 | Gamma-L scattering in InAs-based quantum cascade lasers studied using high hydrostatic pressure. , 2008, , . | 0 | 0 |
| 120 | Electronic and optical structure of 1.55 \AA emitting GaInNAs quantum dots on different substrates., 2010, , . | 0 | 0 |
| 121 | Dilute nitride band engineering: A tool for intersubband gain without population inversion. , 2011, , . | 0 | 0 |
| 122 | Investigating the effect of non linear piezoelectricity on the excitonic properties of III-N semiconductor quantum dots. , 2011, , . | 0 | 0 |
| 123 | Concepts for gain without inversion through dilute nitride band engineering. , 2011, , . | 0 | 0 |
| 124 | Engineering intersubband population inversion with dilute nitrides. , 2011, , . | 0 | 0 |
| 125 | Excitonic properties of GaN/AlN quantum dot single photon sources. , 2012, , . | 0 | 0 |
| 126 | Modelling of Quantum Dots for Intermediate Band Solar Cells. Springer Series in Optical Sciences, 2012, , 229-250. | 0.7 | 0 |

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| 127 | Theoretical model of quantum dot array based intermediate band solar cell: Effect of Sb induced type II alignment on dynamical processes. , 2013,,. | 0 | 0 |
| 128 | Ab <i><sup>i</sup></i> initio <i></sup></i> parameterisation of the 14 band kÅ·p Hamiltonian: Zincblende study. Journal of Physics: Conference Series, 2014, 526, 012004. | 0.4 | 0 |
| 129 | Theory of Quantum Dot Arrays for Solar Cell Devices. Lecture Notes in Nanoscale Science and Technology, 2014,, 113-134. | 0.8 | 0 |
| 130 | Many-body effects in CdSe/CdTe colloidal quantum dots. , 2014,,. | 0 | 0 |
| 131 | Electronic states of elongated PbSe/PbS Core/shell quantum dots. Journal of Physics: Conference Series, 2014, 526, 012010. | 0.4 | 0 |
| 132 | 4th Workshop on Theory, Modelling and Computational Methods for Semiconductors (TMCSIV). Journal of Physics: Conference Series, 2014, 526, 011001. | 0.4 | 0 |
| 133 | Design of core/shell colloidal quantum Dots for MEG solar cells. , 2015,,. | 0 | 0 |
| 134 | Automated design of multi junction solar cells by genetic approach: reaching the > 50% efficiency target. , 2018,,. | 0 | 0 |
| 135 | Theory, Modelling and Computational methods for Semiconductors. Journal of Physics: Conference Series, 2010, 242, 011001. | 0.4 | 0 |