

Gilles Lerondel

List of Publications by Year in descending order

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Version: 2024-02-01

181
papers

4,827
citations

94269

37
h-index

114278

63
g-index

184
all docs

184
docs citations

184
times ranked

5494
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Selective separation of plastic LED lamp components using electrodynamic fragmentation for material recovery. <i>Waste Management</i> , 2022, 144, 210-220. | 3.7 | 4 |
| 2 | Effect of vacuum annealing on the structural and optical properties of sputtered Cu ₄ O ₃ thin films. <i>Surface Engineering</i> , 2021, 37, 422-428. | 1.1 | 7 |
| 3 | Microscopic defects as the limiting factor in the direct transmission of nanocoatings obtained through self-assembly. <i>Nano Select</i> , 2021, 2, 140-145. | 1.9 | 2 |
| 4 | Facile, wafer-scale compatible growth of ZnO nanowires via chemical bath deposition: assessment of zinc ion contribution and other limiting factors. <i>Nanoscale Advances</i> , 2020, 2, 5288-5295. | 2.2 | 3 |
| 5 | Giant defect emission enhancement from ZnO nanowires through desulfurization process. <i>Scientific Reports</i> , 2020, 10, 4237. | 1.6 | 18 |
| 6 | Refractive index mediated plasmon hybridization in an array of aluminium nanoparticles. <i>Nanoscale</i> , 2020, 12, 6394-6402. | 2.8 | 18 |
| 7 | Optical density of states near planar ENZ materials. <i>Optics Letters</i> , 2020, 45, 3593. | 1.7 | 4 |
| 8 | On the origin of the enhancement of defect related visible emission in annealed ZnO micropods. <i>Journal of Applied Physics</i> , 2019, 126, . | 1.1 | 11 |
| 9 | Value Retention Options in Circular Economy: Issues and Challenges of LED Lamp Preprocessing. <i>Sustainability</i> , 2019, 11, 4723. | 1.6 | 17 |
| 10 | Phenomenological modelling of light transmission through nanowires arrays. <i>Thin Solid Films</i> , 2019, 675, 43-49. | 0.8 | 5 |
| 11 | Magnetic mirror metasurface based on the in-phase excitation of magnetic dipole and electric quadrupole resonances. <i>Journal of Applied Physics</i> , 2019, 125, 243103. | 1.1 | 13 |
| 12 | Study of the growth time effect on the structural, morphological and electrical characteristics of ZnO/p-Si heterojunction diodes grown by sol-gel assisted chemical bath deposition method. <i>Journal of Alloys and Compounds</i> , 2019, 771, 448-455. | 2.8 | 23 |
| 13 | Investigation of structural, morphological, optical and electrical properties of double-doping Lanthanum ferrite. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3349-3358. | 1.1 | 17 |
| 14 | ZnO as a platform for quantum photonics. , 2019, , . | | 1 |
| 15 | Interaction between confined phonons and photons in periodic silicon resonators. <i>Physical Review B</i> , 2018, 97, . | 1.1 | 4 |
| 16 | Spectroscopic Nanoimaging of All-Semiconductor Plasmonic Gratings Using Photoinduced Force and Scattering Type Nanoscopy. <i>ACS Photonics</i> , 2018, 5, 4352-4359. | 3.2 | 10 |
| 17 | Ultraviolet, blue, and green InGaN-based light-emitting diodes functionalized with ZnO nanorods. <i>Journal of Alloys and Compounds</i> , 2017, 708, 612-618. | 2.8 | 15 |
| 18 | Integrated Freestanding Two-dimensional Transition Metal Dichalcogenides. <i>Advanced Materials</i> , 2017, 29, 1700308. | 11.1 | 33 |

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|----|---|-----|-----------|
| 19 | Indium gallium nitride-based ultraviolet, blue, and green light-emitting diodes functionalized with shallow periodic hole patterns. <i>Scientific Reports</i> , 2017, 7, 45726. | 1.6 | 19 |
| 20 | Missing research focus in end-of-life management of light-emitting diode (LED) lamps. <i>Resources, Conservation and Recycling</i> , 2017, 127, 256-258. | 5.3 | 43 |
| 21 | Simple and Versatile High Aspect Ratio Nanostructuring via Zinc Oxide Masking. <i>Advanced Materials Technologies</i> , 2017, 2, 1700107. | 3.0 | 5 |
| 22 | Towards multifunctional heterostructured materials: ZnO nanowires growth on mesoscale periodically patterned Si. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2016, 13, 421-424. | 0.8 | 3 |
| 23 | Modification of the phonon spectrum of bulk Si through surface nanostructuring. <i>Journal of Applied Physics</i> , 2016, 120, . | 1.1 | 20 |
| 24 | ZnO top-down structuring for UV photonic applications (Conference Presentation). , 2016, , . | | 0 |
| 25 | Direct Observation of Optical Field Phase Carving in the Vicinity of Plasmonic Metasurfaces. <i>Nano Letters</i> , 2016, 16, 4014-4018. | 4.5 | 13 |
| 26 | Direct Holographic Patterning of ZnO. <i>Advanced Functional Materials</i> , 2016, 26, 1787-1792. | 7.8 | 12 |
| 27 | Metal-Insulator-Semiconductor Diode Consisting of Two-Dimensional Nanomaterials. <i>Nano Letters</i> , 2016, 16, 1858-1862. | 4.5 | 74 |
| 28 | The transformation of ZnO submicron dumbbells into perfect hexagonal tubular structures using CBD: a post treatment route. <i>Nanotechnology</i> , 2016, 27, 025602. | 1.3 | 5 |
| 29 | Synthesis and self-assembly of dumbbell shaped ZnO sub-micron structures using low temperature chemical bath deposition technique. <i>Materials Chemistry and Physics</i> , 2016, 169, 152-157. | 2.0 | 9 |
| 30 | Nanophotonics: Fabrications and Application of Nanoscale Optics to Novel Photonic Devices. <i>Advances in Optical Technologies</i> , 2015, 2015, 1-1. | 0.8 | 1 |
| 31 | Highly efficient excitonic emission of CBD grown ZnO micropods (Presentation Recording). , 2015, , . | | 0 |
| 32 | Enhanced luminescence excitation via efficient optical energy transfer (Presentation Recording). <i>Proceedings of SPIE</i> , 2015, , . | 0.8 | 0 |
| 33 | Nanophotonics: Energy Transfer towards Enhanced Luminescent Chemosensing. <i>Materials</i> , 2015, 8, 1682-1703. | 1.3 | 3 |
| 34 | Carrier localization in In-rich InGaN/GaN multiple quantum wells for green light-emitting diodes. <i>Scientific Reports</i> , 2015, 5, 9373. | 1.6 | 86 |
| 35 | Semiconductor-Insulator-Semiconductor Diode Consisting of Monolayer MoS ₂ , h-BN, and GaN Heterostructure. <i>ACS Nano</i> , 2015, 9, 10032-10038. | 7.3 | 88 |
| 36 | Topology assisted self-organization of colloidal nanoparticles: application to 2D large-scale nanomastering. <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 1203-1209. | 1.5 | 16 |

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|----|---|-----|-----------|
| 37 | Nanophotonics: Plasmonics and hybrid integration. , 2014, , . | | 0 |
| 38 | Efficient Pump Photon Recycling via Gain-Assisted Waveguiding Energy Transfer. ACS Photonics, 2014, 1, 246-253. | 3.2 | 7 |
| 39 | Structure and characterization of Sn, Al co-doped zinc oxide thin films prepared by sol-gel dip-coating process. Thin Solid Films, 2014, 570, 516-526. | 0.8 | 38 |
| 40 | Enhanced stimulated emission in ZnO thin films using microdisk top-down structuring. Applied Physics Letters, 2014, 104, . | 1.5 | 8 |
| 41 | Highly crystalline urchin-like structures made of ultra-thin zinc oxide nanowires. RSC Advances, 2014, 4, 47234-47239. | 1.7 | 32 |
| 42 | Plasmonic Hybrid Cavity-Channel Structure for Tunable Narrow-Band Optical Absorption. IEEE Photonics Technology Letters, 2014, 26, 1979-1982. | 1.3 | 11 |
| 43 | Self-assembled titanium calcium oxide nanopatterns as versatile reactive nanomasks for dry etching lithographic transfer with high selectivity. Nanoscale, 2013, 5, 984-990. | 2.8 | 20 |
| 44 | Ohmic contact on single ZnO nanowires grown by MOCVD. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1292-1296. | 0.8 | 15 |
| 45 | Stimulated emission from ZnO thin films with high optical gain and low loss. Applied Physics Letters, 2013, 102, . | 1.5 | 46 |
| 46 | Characterizations of Ohmic and Schottky-behaving contacts of a single ZnO nanowire. Nanotechnology, 2013, 24, 415202. | 1.3 | 27 |
| 47 | Annealing temperature and environment effects on ZnO nanocrystals embedded in SiO ₂ : a photoluminescence and TEM study. Nanoscale Research Letters, 2013, 8, 517. | 3.1 | 15 |
| 48 | ZnO nanowires as effective luminescent sensing materials for nitroaromatic derivatives. Nanoscale, 2013, 5, 9176. | 2.8 | 34 |
| 49 | Nanoscale engineering of the waveguide local effective index by metamaterial resonances: Toward transformation optics applications. , 2013, , . | | 0 |
| 50 | Observation of Near-Field Dipolar Interactions Involved in a Metal Nanoparticle Chain Waveguide. Nano Letters, 2013, 13, 1000-1006. | 4.5 | 63 |
| 51 | Guided wave metamaterial configurations for application in the near IR domain. , 2013, , . | | 0 |
| 52 | Metal-dielectric metamaterials for guided wave optics applications. , 2013, , . | | 2 |
| 53 | Waveguide-coupled nanowire as an optical antenna. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2013, 30, 2347. | 0.8 | 22 |
| 54 | Strategies for self-organization of Au nanoparticles assisted by copolymer templates. Proceedings of SPIE, 2013, , . | 0.8 | 3 |

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|----|--|-----|-----------|
| 55 | Optical near field imaging of localized surface plasmons modes in metallic nanostructures integrated on dielectric waveguides. Proceedings of SPIE, 2013, , . | 0.8 | 0 |
| 56 | Light propagation in metallic nanoparticle chains on SOI waveguide. Proceedings of SPIE, 2012, , . | 0.8 | 0 |
| 57 | Single metafilm effective medium behavior in optical domain: Maxwell's Garnett approximation and beyond. Applied Physics A: Materials Science and Processing, 2012, 109, 901-906. | 1.1 | 5 |
| 58 | Validation of an analytical model of Si-ring resonators for designing a 1 Å– 8 multiplexer in SCISSOR configuration. Optical and Quantum Electronics, 2012, 44, 541-547. | 1.5 | 2 |
| 59 | Leaky mode analysis of luminescent thin films: The case of ZnO on sapphire. Journal of Applied Physics, 2012, 112, 063112. | 1.1 | 7 |
| 60 | Nanofabrication for Plasmonics. Springer Series in Optical Sciences, 2012, , 269-316. | 0.5 | 11 |
| 61 | Quantitative analysis and near-field observation of strong coupling between plasmonic nanogap and silicon waveguides. Applied Physics Letters, 2012, 100, . | 1.5 | 25 |
| 62 | Highly Efficient Interfacing of Silicon-on-Insulator and Localized Surface Plasmon Waveguides. , 2012, , . | | 0 |
| 63 | Heterodyne grating interferometer based on a quasi-common-optical-path configuration for a two-degrees-of-freedom straightness measurement. Applied Optics, 2011, 50, 1272. | 2.1 | 15 |
| 64 | Two-dimensional displacement measurement by quasi-common-optical-path heterodyne grating interferometer. Optics Express, 2011, 19, 9770. | 1.7 | 42 |
| 65 | Implementation of PT symmetric devices using plasmonics: principle and applications. Optics Express, 2011, 19, 18004. | 1.7 | 191 |
| 66 | High order symmetry interference lithography based nanoimprint. Journal of Applied Physics, 2011, 109, 016104. | 1.1 | 7 |
| 67 | Far field scattering by a waveguide-coupled nanowire. , 2011, , . | | 0 |
| 68 | Optical near field in silicon photonics. Proceedings of SPIE, 2011, , . | 0.8 | 1 |
| 69 | High efficiency white luminescence of alumina doped ZnO. Journal of Luminescence, 2011, 131, 2646-2651. | 1.5 | 24 |
| 70 | ZnO Nanowires, Nanotubes, and Complex Hierarchical Structures Obtained by Electrochemical Deposition. Journal of Electronic Materials, 2011, 40, 728-732. | 1.0 | 19 |
| 71 | Growth studies and optical properties of Zn _{1-x} Cd _x O films grown by metal-organic chemical-vapor deposition. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2011, 29, 03A114. | 0.9 | 7 |
| 72 | Validation of an analytical model of si-ring resonators for designing a 1×8 multiplexer in SCISSOR configuration. , 2011, , . | | 0 |

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|----|---|-----|-----------|
| 73 | Light confinement and propagation characteristics in plasmonic gap waveguides on silicon. Proceedings of SPIE, 2011, , . | 0.8 | 1 |
| 74 | CoBiSS: Compact Bidimensional Sampling Spectrometer. , 2011, , . | | 0 |
| 75 | Photo-Electrochemical Reduction of Carbon Dioxide on the Self-organized TiO ₂ Nanotube Layers. ECS Transactions, 2010, 25, 123-134. | 0.3 | 0 |
| 76 | Millimeter scale topographical image of highly integrated optical structures using enlarged metrological atomic-force microscopy. Proceedings of SPIE, 2010, , . | 0.8 | 0 |
| 77 | Efficient Directional Coupling between Silicon and Copper Plasmonic Nanoslot Waveguides: toward Metal-Oxide-Silicon Nanophotonics. Nano Letters, 2010, 10, 2922-2926. | 4.5 | 148 |
| 78 | Note: Multiscale scanning probe microscopy. Review of Scientific Instruments, 2010, 81, 086101. | 0.6 | 8 |
| 79 | Quasi-common-optical-path heterodyne grating interferometer for displacement measurement. Measurement Science and Technology, 2010, 21, 115304. | 1.4 | 22 |
| 80 | Metal-oxide-silicon nanophotonics: An efficient integration of plasmonic nano-slots with silicon waveguides. , 2010, , . | | 0 |
| 81 | Real-space observation of spectral degeneracy breaking in a waveguide-coupled disk microresonator. Optics Letters, 2010, 35, 3168. | 1.7 | 18 |
| 82 | Bidimensional near-field sampling spectrometry. Optics Letters, 2010, 35, 3303. | 1.7 | 4 |
| 83 | Enhancement of ultrathin film emission using a waveguiding active layer. Journal of Applied Physics, 2010, 108, 123111. | 1.1 | 7 |
| 84 | Waveguiding-assisted random lasing in epitaxial ZnO thin film. Applied Physics Letters, 2010, 97, 261109. | 1.5 | 20 |
| 85 | Enlarged Sample Holder for Optical AFM Imaging: Millimeter Scanning with High Resolution. , 2010, , . | | 1 |
| 86 | Enlarged sample holder for optical AFM imaging: Millimeter scanning with high resolution. , 2009, , . | | 3 |
| 87 | Fabry-Pérot-type enhancement in plasmonic visible nanosource. Applied Physics Letters, 2009, 94, 051105. | 1.5 | 8 |
| 88 | Towards Refractive Index Modulation in TiO ₂ by Means of Electrochemical Anodization. ECS Transactions, 2009, 25, 99-103. | 0.3 | 0 |
| 89 | Nanometer scale light focusing with high cavity-enhanced output. Journal of Applied Physics, 2009, 105, 084308. | 1.1 | 5 |
| 90 | Self-assembly Drives Quantum Dot Photoluminescence. Journal of Fluorescence, 2009, 19, 311-316. | 1.3 | 10 |

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|-----|---|-----|-----------|
| 91 | Towards routine near-field optical characterization of silicon-based photonic structures: An optical mode analysis in integrated waveguides by transmission AFM-based SNOM. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1130-1134. | 1.3 | 14 |
| 92 | Enlarged near-field optical imaging. Journal of Applied Physics, 2009, 106, 044913. | 1.1 | 13 |
| 93 | Design of a compact static Fourier transform spectrometer in integrated optics based on a leaky loop structure. Optics Letters, 2009, 34, 184. | 1.7 | 13 |
| 94 | Enhanced light coupling in sub-wavelength single-mode silicon on insulator waveguides. Optics Express, 2009, 17, 6939. | 1.7 | 19 |
| 95 | Experimental Study of the Lasing Modes of 1.3- μm Highly Strained InGaAs/GaAs Quantum-Well Oxide-Confined VCSELs. IEEE Photonics Technology Letters, 2009, 21, 377-379. | 1.3 | 0 |
| 96 | Studies of optical emission in the high intensity pumping regime of top-down ZnO nanostructures and thin films grown on sapphire substrates by pulsed laser deposition. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3095-3097. | 0.8 | 9 |
| 97 | Detection of chemical molecules with integrated plasmonic glass nanotips. Surface Science, 2008, 602, L119-L122. | 0.8 | 24 |
| 98 | Controlling the plasmon resonance of single metal nanoparticles by near-field anisotropic nanoscale photopolymerization. Journal of Microscopy, 2008, 229, 421-427. | 0.8 | 6 |
| 99 | Near-field investigation of porous silicon photoluminescence modification after oxidation in water. Journal of Microscopy, 2008, 229, 469-474. | 0.8 | 2 |
| 100 | Short Range Plasmon Resonators Probed by Photoemission Electron Microscopy. Nano Letters, 2008, 8, 935-940. | 4.5 | 135 |
| 101 | Phase sensitive optical near-field mapping using frequency-shifted laser optical feedback interferometry. Optics Express, 2008, 16, 11718. | 1.7 | 27 |
| 102 | Near-Field Polarization Effects in Molecular-Motion-Induced Photochemical Imaging. Journal of Physical Chemistry C, 2008, 112, 4111-4116. | 1.5 | 47 |
| 103 | A compact SWIFTS spectrograph with a leaky loop structure. , 2008, , . | | 0 |
| 104 | Optical field probing in photonic structures by atomic force microscopy combined with optical heterodyne detection. Proceedings of SPIE, 2008, , . | 0.8 | 1 |
| 105 | Enlarged atomic force microscopy scanning scope: Novel sample-holder device with millimeter range. Review of Scientific Instruments, 2007, 78, 095107. | 0.6 | 43 |
| 106 | Spectral Degeneracy Breaking of the Plasmon Resonance of Single Metal Nanoparticles by Nanoscale Near-Field Photopolymerization. Physical Review Letters, 2007, 98, 107402. | 2.9 | 78 |
| 107 | Development of a Full-Field Displacement Measurement Technique at the Microscale and Application to the Study of Strain Fields in a Tensile Steel Specimen. Applied Mechanics and Materials, 2007, 7-8, 181-186. | 0.2 | 0 |
| 108 | Large area sample holder unit for enhanced near field microscopy applications. , 2007, , . | | 0 |

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|-----|--|------|-----------|
| 109 | Field localization and enhanced Second-Harmonic Generation in silicon-based microcavities. Optics Express, 2007, 15, 4159. | 1.7 | 12 |
| 110 | Polarization-sensitive printing of surface plasmon interferences. Optics Express, 2007, 15, 4238. | 1.7 | 32 |
| 111 | Optical properties of metal nanoparticles as probed by photoemission electron microscopy. Journal of Applied Physics, 2007, 101, 083518. | 1.1 | 35 |
| 112 | On the realization of microscopic grids for local strain measurement by direct interferometric photolithography. Optics and Lasers in Engineering, 2007, 45, 1131-1147. | 2.0 | 38 |
| 113 | Soft photo structuring of porous silicon in water. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1276-1280. | 0.8 | 4 |
| 114 | Porous surface statistical characterization via fluorescence correlation spectroscopy. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1507-1511. | 0.8 | 4 |
| 115 | Wavelength-scale stationary-wave integrated Fourier-transform spectrometry. Nature Photonics, 2007, 1, 473-478. | 15.6 | 193 |
| 116 | ZnO homoepitaxy on the O polar face of hydrothermal and melt-grown substrates by pulsed laser deposition. Applied Physics A: Materials Science and Processing, 2007, 88, 49-56. | 1.1 | 12 |
| 117 | Apertureless scanning near-field optical microscopy: a comparison between homodyne and heterodyne approaches. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 823. | 0.9 | 80 |
| 118 | Blue- and red-emitting phosphor nanoparticles embedded in a porous matrix. Thin Solid Films, 2006, 503, 190-195. | 0.8 | 17 |
| 119 | Surface plasmon-like behavior of two-photon induced photoluminescence of gold nanorods. , 2006, , . | | 0 |
| 120 | Local complex reflectivity in optical waveguides. Physical Review B, 2006, 74, . | 1.1 | 8 |
| 121 | Ytsj Has the Major Physiological Role of the Four Paralogous Malic Enzyme Isoforms in Bacillus subtilis. Journal of Bacteriology, 2006, 188, 4727-4736. | 1.0 | 52 |
| 122 | Optical full-field measurement of strain at a microscopic scale with the grid method. , 2006, , . | | 2 |
| 123 | Experimental characteristics and analysis of transverse modes in 1.3- μ m strained InGaAs quantum well VCSELs. , 2006, , . | | 0 |
| 124 | High accuracy optoelectronic control system for near field characterization of millimeter long wave guiding structures. , 2005, 5858, 50. | | 0 |
| 125 | Light propagation in a porous silicon waveguide: an optical modes analysis in near-field. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 1417-1421. | 0.8 | 11 |
| 126 | Near-Field Photochemical Imaging of Noble Metal Nanostructures. Nano Letters, 2005, 5, 615-619. | 4.5 | 210 |

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|-----|--|-----|-----------|
| 127 | Photoresponsive polymers for topographic simulation of the optical near-field of a nanometer sized gold tip in a highly focused laser beam. Optics Express, 2005, 13, 3619. | 1.7 | 23 |
| 128 | Heterodyne detection of guided waves using a scattering-type Scanning Near-Field Optical Microscope. Optics Express, 2005, 13, 5553. | 1.7 | 66 |
| 129 | Surface Plasmon Characteristics of Tunable Photoluminescence in Single Gold Nanorods. Physical Review Letters, 2005, 95, 267405. | 2.9 | 350 |
| 130 | Electromagnetic Interactions in Plasmonic Nanoparticle Arrays. Journal of Physical Chemistry B, 2005, 109, 3195-3198. | 1.2 | 100 |
| 131 | Near-field optical patterning and structuring based on local-field enhancement at the extremity of a metal tip. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 821-842. | 1.6 | 48 |
| 132 | Probing photonic and optoelectronic structures by Apertureless Scanning Near-Field Optical Microscopy. Microscopy Research and Technique, 2004, 64, 441-452. | 1.2 | 27 |
| 133 | Apertureless near field optical microscopy: a contribution to the understanding of the signal detected in the presence of a background field. Optics Communications, 2004, 230, 245-251. | 1.0 | 20 |
| 134 | High-Resolution Nanophotolithography in Atomic Force Microscopy Contact Mode. Macromolecules, 2004, 37, 3780-3791. | 2.2 | 11 |
| 135 | Europium-doped yttrium silicate nanoparticles embedded in a porous SiO ₂ matrix. Nanotechnology, 2004, 15, 1549-1553. | 1.3 | 20 |
| 136 | Coupling semiconductor lasers into single-mode optical fibers by use of tips grown by photopolymerization. Optics Letters, 2004, 29, 1971. | 1.7 | 50 |
| 137 | Porous silicon: a versatile optical material. , 2004, 5277, 9. | | 6 |
| 138 | Mapping of localized surface plasmon fields via exposure of a photosensitive polymer. , 2004, 5450, 439. | | 1 |
| 139 | Light emission from 1D silicon photonic crystals containing erbium. , 2004, , . | | 0 |
| 140 | Apertureless scanning near-field optical microscopy for ion exchange channel waveguide characterization. Journal of Microscopy, 2003, 209, 155-161. | 0.8 | 20 |
| 141 | Nano-patterning photosensitive polymers using local field enhancement at the end of apertureless SNOM tips. Journal of Microscopy, 2003, 209, 214-222. | 0.8 | 23 |
| 142 | Fabrication and tuning of high quality porous silicon microcavities. Physica Status Solidi A, 2003, 197, 321-325. | 1.7 | 11 |
| 143 | All-silicon omnidirectional mirrors based on one-dimensional photonic crystals. Applied Physics Letters, 2003, 82, 3227-3229. | 1.5 | 127 |
| 144 | Analysis of the interferometric effect of the background light in apertureless scanning near-field optical microscopy. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 2117. | 0.9 | 46 |

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|-----|--|-----|-----------|
| 145 | Optimization of SERS-active substrates for near-field Raman spectroscopy. <i>Synthetic Metals</i> , 2003, 139, 621-624. | 2.1 | 77 |
| 146 | The <i>Bacillus subtilis ywkJ</i> gene encodes a malic enzyme and its transcription is activated by the YufL/YufM two-component system in response to malate. <i>Microbiology (United Kingdom)</i> , 2003, 149, 2331-2343. | 0.7 | 52 |
| 147 | Standing Wave Reflectivity in Photonic Structures Using a Scattering Type Optical Near-Field Optical Microscope. <i>Materials Research Society Symposia Proceedings</i> , 2003, 797, 99. | 0.1 | 0 |
| 148 | Strong light confinement in microporous photonic silicon structures. <i>Materials Research Society Symposia Proceedings</i> , 2003, 797, 19. | 0.1 | 3 |
| 149 | Apertureless near-field optical microscopy: A study of the local tip field enhancement using photosensitive azobenzene-containing films. <i>Journal of Applied Physics</i> , 2003, 94, 2060-2072. | 1.1 | 101 |
| 150 | Large Co Cluster Deposition on Naturally and Artificially Patterned Substrates. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 5726-5729. | 0.8 | 1 |
| 151 | Second order self-organized pattern of terbium-scandium-aluminum garnet and terbium-scandium perovskite eutectic. <i>Journal of Applied Physics</i> , 2002, 91, 9731. | 1.1 | 33 |
| 152 | Optical microcavities with subnanometer linewidths based on porous silicon. <i>Applied Physics Letters</i> , 2002, 81, 4895-4897. | 1.5 | 92 |
| 153 | Structural and Optical Properties of Oxidized Porous Silicon Layers Activated by Zn ₂ SiO ₄ :Mn ²⁺ . <i>Journal of the Electrochemical Society</i> , 2002, 149, G251. | 1.3 | 11 |
| 154 | Photo-lithography for 2D optical microstructures in porous silicon: application to nucleation of macropores. <i>Applied Surface Science</i> , 2002, 186, 588-593. | 3.1 | 11 |
| 155 | Application of VUV laser harmonic radiation to the measurement of porous silicon dielectric function. <i>Optics and Lasers in Engineering</i> , 2002, 37, 611-620. | 2.0 | 1 |
| 156 | Activation of porous silicon layers using Zn ₂ SiO ₄ :Mn ²⁺ phosphor particles. <i>Journal of Luminescence</i> , 2002, 96, 171-175. | 1.5 | 22 |
| 157 | Growth of luminescent Zn ₂ SiO ₄ :Mn ²⁺ particles inside oxidized porous silicon: emergence of yellow luminescence. <i>Journal of Crystal Growth</i> , 2002, 237-239, 869-873. | 0.7 | 25 |
| 158 | Nanocrystalline Zn ₂ SiO ₄ :Mn ²⁺ grown in oxidized porous silicon. <i>Nanotechnology</i> , 2001, 12, 547-551. | 1.3 | 42 |
| 159 | Determination of the dielectric function of porous silicon by high-order laser-harmonic radiation. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 73, 737-740. | 1.1 | 6 |
| 160 | Near-field optics: Direct observation of the field enhancement below an apertureless probe using a photosensitive polymer. <i>Applied Physics Letters</i> , 2001, 79, 4019-4021. | 1.5 | 61 |
| 161 | Measurement of Porous Silicon Dielectric Constant by VUV Laser Harmonic Radiation. <i>Physica Status Solidi A</i> , 2000, 182, 261-266. | 1.7 | 6 |
| 162 | Direct determination of the absorption of porous silicon by photocurrent measurement at low temperature. <i>Thin Solid Films</i> , 2000, 366, 216-224. | 0.8 | 10 |

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|-----|--|-----|-----------|
| 163 | Porous silicon nanocracking. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 69-70, 161-166. | 1.7 | 7 |
| 164 | NO ₂ monitoring at room temperature by a porous silicon gas sensor. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 69-70, 210-214. | 1.7 | 126 |
| 165 | Low dimensional porous silicon superlattices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 69-70, 48-52. | 1.7 | 5 |
| 166 | TEM characterisation of porous silicon. Micron, 2000, 31, 223-230. | 1.1 | 26 |
| 167 | Superlattices as Characterisation Tool for the Beginning of PS Formation. Journal of Porous Materials, 2000, 7, 373-376. | 1.3 | 0 |
| 168 | Fresnel coefficients of a rough interface. Applied Physics Letters, 1999, 74, 2740-2742. | 1.5 | 39 |
| 169 | Design and fabrication of metal bolometers on high porosity silicon layers. Microelectronics Journal, 1999, 30, 1149-1154. | 1.1 | 9 |
| 170 | Properties of metal bolometers fabricated on porous silicon. Applied Surface Science, 1999, 142, 267-271. | 3.1 | 14 |
| 171 | Micromachining of silicon with a proton microbeam. Nuclear Instruments & Methods in Physics Research B, 1999, 158, 173-178. | 0.6 | 33 |
| 172 | X-ray diffraction and reflectometry studies of porous silicon. Physica B: Condensed Matter, 1998, 248, 101-103. | 1.3 | 4 |
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