

Gilles Lerondel

List of Publications by Year in descending order

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181
papers

4,827
citations

94433
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114465
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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. Waste Management, 2022, 144, 210-220.	7.4	4
2	Effect of vacuum annealing on the structural and optical properties of sputtered Cu ₄ O ₃ thin films. Surface Engineering, 2021, 37, 422-428.	2.2	7
3	Microscopic defects as the limiting factor in the direct transmission of nanocoatings obtained through self-assembly. Nano Select, 2021, 2, 140-145.	3.7	2
4	Facile, wafer-scale compatible growth of ZnO nanowires <i>via</i> chemical bath deposition: assessment of zinc ion contribution and other limiting factors. Nanoscale Advances, 2020, 2, 5288-5295.	4.6	3
5	Giant defect emission enhancement from ZnO nanowires through desulfurization process. Scientific Reports, 2020, 10, 4237.	3.3	18
6	Refractive index mediated plasmon hybridization in an array of aluminium nanoparticles. Nanoscale, 2020, 12, 6394-6402.	5.6	18
7	Optical density of states near planar ENZ materials. Optics Letters, 2020, 45, 3593.	3.3	4
8	On the origin of the enhancement of defect related visible emission in annealed ZnO micropods. Journal of Applied Physics, 2019, 126, .	2.5	11
9	Value Retention Options in Circular Economy: Issues and Challenges of LED Lamp Preprocessing. Sustainability, 2019, 11, 4723.	3.2	17
10	Phenomenological modelling of light transmission through nanowires arrays. Thin Solid Films, 2019, 675, 43-49.	1.8	5
11	Magnetic mirror metasurface based on the in-phase excitation of magnetic dipole and electric quadrupole resonances. Journal of Applied Physics, 2019, 125, 243103.	2.5	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. Journal of Alloys and Compounds, 2019, 771, 448-455.	5.5	23
13	Investigation of structural, morphological, optical and electrical properties of double-doping Lanthanum ferrite. Journal of Materials Science: Materials in Electronics, 2019, 30, 3349-3358.	2.2	17
14	ZnO as a platform for quantum photonics. , 2019, , .		1
15	Interaction between confined phonons and photons in periodic silicon resonators. Physical Review B, 2018, 97, .	3.2	4
16	Spectroscopic Nanoimaging of All-Semiconductor Plasmonic Gratings Using Photoinduced Force and Scattering Type Nanoscopy. ACS Photonics, 2018, 5, 4352-4359.	6.6	10
17	Ultraviolet, blue, and green InGaN-based light-emitting diodes functionalized with ZnO nanorods. Journal of Alloys and Compounds, 2017, 708, 612-618.	5.5	15
18	Integrated Freestanding Two-dimensional Transition Metal Dichalcogenides. Advanced Materials, 2017, 29, 1700308.	21.0	33

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19	Indium gallium nitride-based ultraviolet, blue, and green light-emitting diodes functionalized with shallow periodic hole patterns. Scientific Reports, 2017, 7, 45726.	3.3	19
20	Missing research focus in end-of-life management of light-emitting diode (LED) lamps. Resources, Conservation and Recycling, 2017, 127, 256-258.	10.8	43
21	Simple and Versatile High Aspect Ratio Nanostructuring via Zinc Oxide Masking. Advanced Materials Technologies, 2017, 2, 1700107.	5.8	5
22	Towards multifunctional heterostructured materials: ZnO nanowires growth on mesoscale periodically patterned Si. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 421-424.	0.8	3
23	Modification of the phonon spectrum of bulk Si through surface nanostructuring. Journal of Applied Physics, 2016, 120, .	2.5	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. Nano Letters, 2016, 16, 4014-4018.	9.1	13
26	Direct Holographic Patterning of ZnO. Advanced Functional Materials, 2016, 26, 1787-1792.	14.9	12
27	Metal-Insulator-Semiconductor Diode Consisting of Two-Dimensional Nanomaterials. Nano Letters, 2016, 16, 1858-1862.	9.1	74
28	The transformation of ZnO submicron dumbbells into perfect hexagonal tubular structures using CBD: a post treatment route. Nanotechnology, 2016, 27, 025602.	2.6	5
29	Synthesis and self-assembly of dumbbell shaped ZnO sub-micron structures using low temperature chemical bath deposition technique. Materials Chemistry and Physics, 2016, 169, 152-157.	4.0	9
30	Nanophotonics: Fabrications and Application of Nanoscale Optics to Novel Photonic Devices. Advances in Optical Technologies, 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). Proceedings of SPIE, 2015, , .	0.8	0
33	Nanophotonics: Energy Transfer towards Enhanced Luminescent Chemosensing. Materials, 2015, 8, 1682-1703.	2.9	3
34	Carrier localization in In-rich InGaN/GaN multiple quantum wells for green light-emitting diodes. Scientific Reports, 2015, 5, 9373.	3.3	86
35	Semiconductor-Insulator-Semiconductor Diode Consisting of Monolayer MoS ₂ , h-BN, and GaN Heterostructure. ACS Nano, 2015, 9, 10032-10038.	14.6	88
36	Topology assisted self-organization of colloidal nanoparticles: application to 2D large-scale nanomastering. Beilstein Journal of Nanotechnology, 2014, 5, 1203-1209.	2.8	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.	6.6	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.	1.8	38
40	Enhanced stimulated emission in ZnO thin films using microdisk top-down structuring. Applied Physics Letters, 2014, 104, .	3.3	8
41	Highly crystalline urchin-like structures made of ultra-thin zinc oxide nanowires. RSC Advances, 2014, 4, 47234-47239.	3.6	32
42	Plasmonic Hybrid Cavity-Channel Structure for Tunable Narrow-Band Optical Absorption. IEEE Photonics Technology Letters, 2014, 26, 1979-1982.	2.5	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.	5.6	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, .	3.3	46
46	Characterizations of Ohmic and Schottky-behaving contacts of a single ZnO nanowire. Nanotechnology, 2013, 24, 415202.	2.6	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.	5.7	15
48	ZnO nanowires as effective luminescent sensing materials for nitroaromatic derivatives. Nanoscale, 2013, 5, 9176.	5.6	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.	9.1	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.	1.5	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.	2.3	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.	3.3	2
59	Leaky mode analysis of luminescent thin films: The case of ZnO on sapphire. Journal of Applied Physics, 2012, 112, 063112.	2.5	7
60	Nanofabrication for Plasmonics. Springer Series in Optical Sciences, 2012, , 269-316.	0.7	11
61	Quantitative analysis and near-field observation of strong coupling between plasmonic nanogap and silicon waveguides. Applied Physics Letters, 2012, 100, .	3.3	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.	3.4	42
65	Implementation of PT symmetric devices using plasmonics: principle and applications. Optics Express, 2011, 19, 18004.	3.4	191
66	High order symmetry interference lithography based nanoimprint. Journal of Applied Physics, 2011, 109, 016104.	2.5	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.	3.1	24
70	ZnO Nanowires, Nanotubes, and Complex Hierarchical Structures Obtained by Electrochemical Deposition. Journal of Electronic Materials, 2011, 40, 728-732.	2.2	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.	2.1	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.	0.5	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.	9.1	148
78	Note: Multiscale scanning probe microscopy. Review of Scientific Instruments, 2010, 81, 086101.	1.3	8
79	Quasi-common-optical-path heterodyne grating interferometer for displacement measurement. Measurement Science and Technology, 2010, 21, 115304.	2.6	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.	3.3	18
82	Bidimensional near-field sampling spectrometry. Optics Letters, 2010, 35, 3303.	3.3	4
83	Enhancement of ultrathin film emission using a waveguiding active layer. Journal of Applied Physics, 2010, 108, 123111.	2.5	7
84	Waveguiding-assisted random lasing in epitaxial ZnO thin film. Applied Physics Letters, 2010, 97, 261109.	3.3	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.	3.3	8
88	Towards Refractive Index Modulation in TiO ₂ by Means of Electrochemical Anodization. ECS Transactions, 2009, 25, 99-103.	0.5	0
89	Nanometer scale light focusing with high cavity-enhanced output. Journal of Applied Physics, 2009, 105, 084308.	2.5	5
90	Self-assembly Drives Quantum Dot Photoluminescence. Journal of Fluorescence, 2009, 19, 311-316.	2.5	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.	2.7	14
92	Enlarged near-field optical imaging. Journal of Applied Physics, 2009, 106, 044913.	2.5	13
93	Design of a compact static Fourier transform spectrometer in integrated optics based on a leaky loop structure. Optics Letters, 2009, 34, 184.	3.3	13
94	Enhanced light coupling in sub-wavelength single-mode silicon on insulator waveguides. Optics Express, 2009, 17, 6939.	3.4	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.	2.5	0
96	Studies of optical emission in the high intensity pumping regime of top-down ZnO nanostructures and thin films grown on c-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.	1.9	24
98	Controlling the plasmon resonance of single metal nanoparticles by near-field anisotropic nanoscale photopolymerization. Journal of Microscopy, 2008, 229, 421-427.	1.8	6
99	Near-field investigation of porous silicon photoluminescence modification after oxidation in water. Journal of Microscopy, 2008, 229, 469-474.	1.8	2
100	Short Range Plasmon Resonators Probed by Photoemission Electron Microscopy. Nano Letters, 2008, 8, 935-940.	9.1	135
101	Phase sensitive optical near-field mapping using frequency-shifted laser optical feedback interferometry. Optics Express, 2008, 16, 11718.	3.4	27
102	Near-Field Polarization Effects in Molecular-Motion-Induced Photochemical Imaging. Journal of Physical Chemistry C, 2008, 112, 4111-4116.	3.1	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.	1.3	43
106	Spectral Degeneracy Breaking of the Plasmon Resonance of Single Metal Nanoparticles by Nanoscale Near-Field Photopolymerization. Physical Review Letters, 2007, 98, 107402.	7.8	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.	3.4	12
110	Polarization-sensitive printing of surface plasmon interferences. Optics Express, 2007, 15, 4238.	3.4	32
111	Optical properties of metal nanoparticles as probed by photoemission electron microscopy. Journal of Applied Physics, 2007, 101, 083518.	2.5	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.	3.8	38
113	Soft photo structuring of porous silicon in water. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1276-1280.	1.8	4
114	Porous surface statistical characterization via fluorescence correlation spectroscopy. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1507-1511.	1.8	4
115	Wavelength-scale stationary-wave integrated Fourier-transform spectrometry. Nature Photonics, 2007, 1, 473-478.	31.4	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.	2.3	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.	2.1	80
118	Blue- and red-emitting phosphor nanoparticles embedded in a porous matrix. Thin Solid Films, 2006, 503, 190-195.	1.8	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, .	3.2	8
121	Ytsj Has the Major Physiological Role of the Four Paralogous Malic Enzyme Isoforms in <i>Bacillus subtilis</i>. Journal of Bacteriology, 2006, 188, 4727-4736.	2.2	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.	1.8	11
126	Near-Field Photochemical Imaging of Noble Metal Nanostructures. Nano Letters, 2005, 5, 615-619.	9.1	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.	3.4	23
128	Heterodyne detection of guided waves using a scattering-type Scanning Near-Field Optical Microscope. Optics Express, 2005, 13, 5553.	3.4	66
129	Surface Plasmon Characteristics of Tunable Photoluminescence in Single Gold Nanorods. Physical Review Letters, 2005, 95, 267405.	7.8	350
130	Electromagnetic Interactions in Plasmonic Nanoparticle Arrays. Journal of Physical Chemistry B, 2005, 109, 3195-3198.	2.6	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.	3.4	48
132	Probing photonic and optoelectronic structures by Apertureless Scanning Near-Field Optical Microscopy. Microscopy Research and Technique, 2004, 64, 441-452.	2.2	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.	2.1	20
134	High-Resolution Nanophotolithography in Atomic Force Microscopy Contact Mode. Macromolecules, 2004, 37, 3780-3791.	4.8	11
135	Europium-doped yttrium silicate nanoparticles embedded in a porous SiO ₂ matrix. Nanotechnology, 2004, 15, 1549-1553.	2.6	20
136	Coupling semiconductor lasers into single-mode optical fibers by use of tips grown by photopolymerization. Optics Letters, 2004, 29, 1971.	3.3	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.	1.8	20
141	Nano-patterning photosensitive polymers using local field enhancement at the end of apertureless SNOM tips. Journal of Microscopy, 2003, 209, 214-222.	1.8	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.	3.3	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.	2.1	46

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145	Optimization of SERS-active substrates for near-field Raman spectroscopy. <i>Synthetic Metals</i> , 2003, 139, 621-624.	3.9	77
146	The <i>Bacillus subtilis</i> ywkJ 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.	1.8	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.	2.5	101
150	Large Co Cluster Deposition on Naturally and Artificially Patterned Substrates. <i>Japanese Journal of Applied Physics</i> , 2002, 41, 5726-5729.	1.5	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.	2.5	33
152	Optical microcavities with subnanometer linewidths based on porous silicon. <i>Applied Physics Letters</i> , 2002, 81, 4895-4897.	3.3	92
153	Structural and Optical Properties of Oxidized Porous Silicon Layers Activated by $Zn_{[sub 2]}SiO_{[sub 4]}:Mn^{2+}$. <i>Journal of the Electrochemical Society</i> , 2002, 149, G251.	2.9	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.	6.1	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.	3.8	1
156	Activation of porous silicon layers using $Zn_2SiO_4:Mn^{2+}$ phosphor particles. <i>Journal of Luminescence</i> , 2002, 96, 171-175.	3.1	22
157	Growth of luminescent $Zn_2SiO_4:Mn^{2+}$ particles inside oxidized porous silicon: emergence of yellow luminescence. <i>Journal of Crystal Growth</i> , 2002, 237-239, 869-873.	1.5	25
158	Nanocrystalline $Zn_2SiO_4:Mn^{2+}$ grown in oxidized porous silicon. <i>Nanotechnology</i> , 2001, 12, 547-551.	2.6	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.	2.3	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.	3.3	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.	1.8	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.	3.5	7
164	NO2 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.	3.5	126
165	Low dimensional porous silicon superlattices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 69-70, 48-52.	3.5	5
166	TEM characterisation of porous silicon. Micron, 2000, 31, 223-230.	2.2	26
167	Superlattices as Characterisation Tool for the Beginning of PS Formation. Journal of Porous Materials, 2000, 7, 373-376.	2.6	0
168	Fresnel coefficients of a rough interface. Applied Physics Letters, 1999, 74, 2740-2742.	3.3	39
169	Design and fabrication of metal bolometers on high porosity silicon layers. Microelectronics Journal, 1999, 30, 1149-1154.	2.0	9
170	Properties of metal bolometers fabricated on porous silicon. Applied Surface Science, 1999, 142, 267-271.	6.1	14
171	Micromachining of silicon with a proton microbeam. Nuclear Instruments & Methods in Physics Research B, 1999, 158, 173-178.	1.4	33
172	X-ray diffraction and reflectometry studies of porous silicon. Physica B: Condensed Matter, 1998, 248, 101-103.	2.7	4
173	Temperature effect on the roughness of the formation interface of p-type porous silicon. Journal of Applied Physics, 1998, 84, 3129-3133.	2.5	85
174	Roughness of the porous silicon dissolution interface. Journal of Applied Physics, 1997, 81, 6171-6178.	2.5	69
175	Porous silicon lateral superlattices. Applied Physics Letters, 1997, 71, 196-198.	3.3	45
176	Quantitative analysis of the light scattering effect on porous silicon optical measurements. Thin Solid Films, 1997, 297, 114-117.	1.8	21
177	Porous silicon anisotropy investigated by guided light. Thin Solid Films, 1997, 297, 245-249.	1.8	49
178	Analysis of the depth homogeneity of p-PS by reflectance measurements. Thin Solid Films, 1997, 297, 92-96.	1.8	53
179	Light scattering from porous silicon. Thin Solid Films, 1996, 276, 80-83.	1.8	32
180	Molecular beam epitaxial growth and characterization of (100) HgSe on GaAs. Journal of Crystal Growth, 1993, 127, 331-334.	1.5	9

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181	Porous silicon: A photonic material for all seasons. , 0, , .		1