Gilles Lerondel

List of Publications by Year
in descending order

181	4,827	94433 37	114465 63
papers	citations	h-index	g-index

184	184	184	5494
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surface Plasmon Characteristics of Tunable Photoluminescence in Single Gold Nanorods. Physical Review Letters, 2005, 95, 267405.	7.8	350
2	Near-Field Photochemical Imaging of Noble Metal Nanostructures. Nano Letters, 2005, 5, 615-619.	9.1	210
3	Wavelength-scale stationary-wave integrated Fourier-transform spectrometry. Nature Photonics, 2007, 1, 473-478.	31.4	193
4	Implementation of PT symmetric devices using plasmonics: principle and applications. Optics Express, 2011, 19, 18004.	3.4	191
5	Efficient Directional Coupling between Silicon and Copper Plasmonic Nanoslot Waveguides: toward Metalâ^'Oxideâ^'Silicon Nanophotonics. Nano Letters, 2010, 10, 2922-2926.	9.1	148
6	Short Range Plasmon Resonators Probed by Photoemission Electron Microscopy. Nano Letters, 2008, 8, 935-940.	9.1	135
7	All-silicon omnidirectional mirrors based on one-dimensional photonic crystals. Applied Physics Letters, 2003, 82, 3227-3229.	3.3	127
8	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
9	Apertureless near-field optical microscopy: A study of the local tip field enhancement using photosensitive azobenzene-containing films. Journal of Applied Physics, 2003, 94, 2060-2072.	2.5	101
10	Electromagnetic Interactions in Plasmonic Nanoparticle Arrays. Journal of Physical Chemistry B, 2005, 109, 3195-3198.	2.6	100
11	Optical microcavities with subnanometer linewidths based on porous silicon. Applied Physics Letters, 2002, 81, 4895-4897.	3.3	92
12	Semiconductorâ€“Insulatorâ€“Semiconductor Diode Consisting of Monolayer MoS₂, h-BN, and GaN Heterostructure. ACS Nano, 2015, 9, 10032-10038.	14.6	88
13	Carrier localization in In-rich InGaN/GaN multiple quantum wells for green light-emitting diodes. Scientific Reports, 2015, 5, 9373.	3.3	86
14	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
15	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
16	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
17	Optimization of SERS-active substrates for near-field Raman spectroscopy. Synthetic Metals, 2003, 139, 621-624.	3.9	77
18	Metalâ€“Insulatorâ€“Semiconductor Diode Consisting of Two-Dimensional Nanomaterials. Nano Letters, 2016, 16, 1858-1862.	9.1	74

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19	Roughness of the porous silicon dissolution interface. Journal of Applied Physics, 1997, 81, 6171-6178.	2.5	69
20	Heterodyne detection of guided waves using a scattering-type Scanning Near-Field Optical Microscope. Optics Express, 2005, 13, 5553.	3.4	66
21	Observation of Near-Field Dipolar Interactions Involved in a Metal Nanoparticle Chain Waveguide. Nano Letters, 2013, 13, 1000-1006.	9.1	63
22	Near-field optics: Direct observation of the field enhancement below an apertureless probe using a photosensitive polymer. Applied Physics Letters, 2001, 79, 4019-4021.	3.3	61
23	Analysis of the depth homogeneity of p-PS by reflectance measurements. Thin Solid Films, 1997, 297, 92-96.	1.8	53
24	The Bacillus subtilis ywkA gene encodes a malic enzyme and its transcription is activated by the YufL/YufM two-component system in response to malate. Microbiology (United Kingdom), 2003, 149, 2331-2343.	1.8	52
25	YtsJ Has the Major Physiological Role of the Four Paralogous Malic Enzyme Isoforms in Bacillus subtilis. Journal of Bacteriology, 2006, 188, 4727-4736.	2.2	52
26	Coupling semiconductor lasers into single-mode optical fibers by use of tips grown by photopolymerization. Optics Letters, 2004, 29, 1971.	3.3	50
27	Porous silicon anisotropy investigated by guided light. Thin Solid Films, 1997, 297, 245-249.	1.8	49
28	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
29	Near-Field Polarization Effects in Molecular-Motion-Induced Photochemical Imaging. Journal of Physical Chemistry C, 2008, 112, 4111-4116.	3.1	47
30	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
31	Stimulated emission from ZnO thin films with high optical gain and low loss. Applied Physics Letters, 2013, 102, .	3.3	46
32	Porous silicon lateral superlattices. Applied Physics Letters, 1997, 71, 196-198.	3.3	45
33	Enlarged atomic force microscopy scanning scope: Novel sample-holder device with millimeter range. Review of Scientific Instruments, 2007, 78, 095107.	1.3	43
34	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
35	Nanocrystalline Zn2SiO4:Mn2+grown in oxidized porous silicon. Nanotechnology, 2001, 12, 547-551.	2.6	42
36	Two-dimensional displacement measurement by quasi-common-optical-path heterodyne grating interferometer. Optics Express, 2011, 19, 9770.	3.4	42

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37	Fresnel coefficients of a rough interface. Applied Physics Letters, 1999, 74, 2740-2742.	3.3	39
38	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
39	Structure and characterization of Sn, Al co-doped zinc oxide thin films prepared by solâ€“gel dip-coating process. Thin Solid Films, 2014, 570, 516-526.	1.8	38
40	Optical properties of metal nanoparticles as probed by photoemission electron microscopy. Journal of Applied Physics, 2007, 101, 083518.	2.5	35
41	ZnO nanowires as effective luminescent sensing materials for nitroaromatic derivatives. Nanoscale, 2013, 5, 9176.	5.6	34
42	Micromachining of silicon with a proton microbeam. Nuclear Instruments & Methods in Physics Research B, 1999, 158, 173-178.	1.4	33
43	Second order self-organized pattern of terbiumâ€“scandiumâ€“aluminum garnet and terbiumâ€“scandium perovskite eutectic. Journal of Applied Physics, 2002, 91, 9731.	2.5	33
44	Integrated Freestanding Twoâ€dimensional Transition Metal Dichalcogenides. Advanced Materials, 2017, 29, 1700308.	21.0	33
45	Light scattering from porous silicon. Thin Solid Films, 1996, 276, 80-83.	1.8	32
46	Polarization-sensitive printing of surface plasmon interferences. Optics Express, 2007, 15, 4238.	3.4	32
47	Highly crystalline urchin-like structures made of ultra-thin zinc oxide nanowires. RSC Advances, 2014, 4, 47234-47239.	3.6	32
48	Probing photonic and optoelectronic structures by Apertureless Scanning Near-Field Optical Microscopy. Microscopy Research and Technique, 2004, 64, 441-452.	2.2	27
49	Phase sensitive optical near-field mapping using frequency-shifted laser optical feedback interferometry. Optics Express, 2008, 16, 11718.	3.4	27
50	Characterizations of Ohmic and Schottky-behaving contacts of a single ZnO nanowire. Nanotechnology, 2013, 24, 415202.	2.6	27
51	TEM characterisation of porous silicon. Micron, 2000, 31, 223-230.	2.2	26
52	Growth of luminescent Zn2SiO4:Mn2+ particles inside oxidized porous silicon: emergence of yellow luminescence. Journal of Crystal Growth, 2002, 237-239, 869-873.	1.5	25
53	Quantitative analysis and near-field observation of strong coupling between plasmonic nanogap and silicon waveguides. Applied Physics Letters, 2012, 100, .	3.3	25
54	Detection of chemical molecules with integrated plasmonic glass nanotips. Surface Science, 2008, 602, L119-L122.	1.9	24

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55	High efficiency white luminescence of alumina doped ZnO. Journal of Luminescence, 2011, 131, 2646-2651.	3.1	24
56	Nanoâ€patterning photosensitive polymers using local field enhancement at the end of apertureless SNOM tips. Journal of Microscopy, 2003, 209, 214-222.	1.8	23
57	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
58	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
59	Activation of porous silicon layers using Zn2SiO4:Mn2+ phosphor particles. Journal of Luminescence, 2002, 96, 171-175.	3.1	22
60	Quasi-common-optical-path heterodyne grating interferometer for displacement measurement. Measurement Science and Technology, 2010, 21, 115304.	2.6	22
61	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
62	Quantitative analysis of the light scattering effect on porous silicon optical measurements. Thin Solid Films, 1997, 297, 114-117.	1.8	21
63	Apertureless scanning nearâ€field optical microscopy for ion exchange channel waveguide characterization. Journal of Microscopy, 2003, 209, 155-161.	1.8	20
64	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
65	Europium-doped yttrium silicate nanoparticles embedded in a porous SiO2matrix. Nanotechnology, 2004, 15, 1549-1553.	2.6	20
66	Waveguiding-assisted random lasing in epitaxial ZnO thin film. Applied Physics Letters, 2010, 97, 261109.	3.3	20
67	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
68	Modification of the phonon spectrum of bulk Si through surface nanostructuring. Journal of Applied Physics, 2016, 120, .	2.5	20
69	Enhanced light coupling in sub-wavelength single-mode silicon on insulator waveguides. Optics Express, 2009, 17, 6939.	3.4	19
70	ZnO Nanowires, Nanotubes, and Complex Hierarchical Structures Obtained by Electrochemical Deposition. Journal of Electronic Materials, 2011, 40, 728-732.	2.2	19
71	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
72	Real-space observation of spectral degeneracy breaking in a waveguide-coupled disk microresonator. Optics Letters, 2010, 35, 3168.	3.3	18

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73	Giant defect emission enhancement from ZnO nanowires through desulfurization process. Scientific Reports, 2020, 10, 4237.	3.3	18
74	Refractive index mediated plasmon hybridization in an array of aluminium nanoparticles. Nanoscale, 2020, 12, 6394-6402.	5.6	18
75	Blue- and red-emitting phosphor nanoparticles embedded in a porous matrix. Thin Solid Films, 2006, 503, 190-195.	1.8	17
76	Value Retention Options in Circular Economy: Issues and Challenges of LED Lamp Preprocessing. Sustainability, 2019, 11, 4723.	3.2	17
77	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
78	Topology assisted self-organization of colloidal nanoparticles: application to 2D large-scale nanomastering. Beilstein Journal of Nanotechnology, 2014, 5, 1203-1209.	2.8	16
79	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
80	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
81	Annealing temperature and environment effects on ZnO nanocrystals embedded in SiO2: a photoluminescence and TEM study. Nanoscale Research Letters, 2013, 8, 517.	5.7	15
82	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
83	Properties of metal bolometers fabricated on porous silicon. Applied Surface Science, 1999, 142, 267-271.	6.1	14
84	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
85	Enlarged near-field optical imaging. Journal of Applied Physics, 2009, 106, 044913.	2.5	13
86	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
87	Direct Observation of Optical Field Phase Carving in the Vicinity of Plasmonic Metasurfaces. Nano Letters, 2016, 16, 4014-4018.	9.1	13
88	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
89	Field localization and enhanced Second-Harmonic Generation in silicon-based microcavities. Optics Express, 2007, 15, 4159.	3.4	12
90	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

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91	Direct Holographic Patterning of ZnO. Advanced Functional Materials, 2016, 26, 1787-1792.	14.9	12
92	Structural and Optical Properties of Oxidized Porous Silicon Layers Activated by Zn[sub 2]SiO[sub 4]:Mn[sup 2+]. Journal of the Electrochemical Society, 2002, 149, G251.	2.9	11
93	Photo-lithography for 2D optical microstructures in porous silicon: application to nucleation of macropores. Applied Surface Science, 2002, 186, 588-593.	6.1	11
94	Fabrication and tuning of high quality porous silicon microcavities. Physica Status Solidi A, 2003, 197, 321-325.	1.7	11
95	High-Resolution Nanophotolithography in Atomic Force Microscopy Contact Mode. Macromolecules, 2004, 37, 3780-3791.	4.8	11
96	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
97	Nanofabrication for Plasmonics. Springer Series in Optical Sciences, 2012, , 269-316.	0.7	11
98	Plasmonic Hybrid Cavity-Channel Structure for Tunable Narrow-Band Optical Absorption. IEEE Photonics Technology Letters, 2014, 26, 1979-1982.	2.5	11
99	On the origin of the enhancement of defect related visible emission in annealed ZnO micropods. Journal of Applied Physics, 2019, 126, .	2.5	11
100	Direct determination of the absorption of porous silicon by photocurrent measurement at low temperature. Thin Solid Films, 2000, 366, 216-224.	1.8	10
101	Self-assembly Drives Quantum Dot Photoluminescence. Journal of Fluorescence, 2009, 19, 311-316.	2.5	10
102	Spectroscopic Nanoimaging of All-Semiconductor Plasmonic Gratings Using Photoinduced Force and Scattering Type Nanoscopy. ACS Photonics, 2018, 5, 4352-4359.	6.6	10
103	Molecular beam epitaxial growth and characterization of (100) HgSe on GaAs. Journal of Crystal Growth, 1993, 127, 331-334.	1.5	9
104	Design and fabrication of metal bolometers on high porosity silicon layers. Microelectronics Journal, 1999, 30, 1149-1154.	2.0	9
105	Studies of optical emission in the high intensity pumping regime of topâ€down ZnO nanostructures and thin films grown on câ€sapphire substrates by pulsed laser deposition. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 3095-3097.	0.8	9
106	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
107	Local complex reflectivity in optical waveguides. Physical Review B, 2006, 74, .	3.2	8
108	Fabryâ€“PÃ©rot-type enhancement in plasmonic visible nanosource. Applied Physics Letters, 2009, 94, 051105.	3.3	8

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109	Note: Multiscale scanning probe microscopy. Review of Scientific Instruments, 2010, 81, 086101.	1.3	8
110	Enhanced stimulated emission in ZnO thin films using microdisk top-down structuring. Applied Physics Letters, 2014, 104, .	3.3	8
111	Porous silicon nanocracking. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 69-70, 161-166.	3.5	7
112	Enhancement of ultrathin film emission using a waveguiding active layer. Journal of Applied Physics, 2010, 108, 123111.	2.5	7
113	High order symmetry interference lithography based nanoimprint. Journal of Applied Physics, 2011, 109, 016104.	2.5	7
114	Growth studies and optical properties of Zn1â^'xCdxO 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
115	Leaky mode analysis of luminescent thin films: The case of ZnO on sapphire. Journal of Applied Physics, 2012, 112, 063112.	2.5	7
116	Efficient Pump Photon Recycling via Gain-Assisted Waveguiding Energy Transfer. ACS Photonics, 2014, 1, 246-253.	6.6	7
117	Effect of vacuum annealing on the structural and optical properties of sputtered Cu₄O₃ thin films. Surface Engineering, 2021, 37, 422-428.	2.2	7
118	Measurement of Porous Silicon Dielectric Constant by VUV Laser Harmonic Radiation. Physica Status Solidi A, 2000, 182, 261-266.	1.7	6
119	Determination of the dielectric function of porous silicon by high-order laser-harmonic radiation. Applied Physics A: Materials Science and Processing, 2001, 73, 737-740.	2.3	6
120	Porous silicon: a versatile optical material. , 2004, 5277, 9.		6
121	Controlling the plasmon resonance of single metal nanoparticles by nearâ€field anisotropic nanoscale photopolymerization. Journal of Microscopy, 2008, 229, 421-427.	1.8	6
122	Low dimensional porous silicon superlattices. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 69-70, 48-52.	3.5	5
123	Nanometer scale light focusing with high cavity-enhanced output. Journal of Applied Physics, 2009, 105, 084308.	2.5	5
124	Single metafilm effective medium behavior in optical domain: Maxwellâ€“Garnett approximation and beyond. Applied Physics A: Materials Science and Processing, 2012, 109, 901-906.	2.3	5
125	The transformation of ZnO submicron dumbbells into perfect hexagonal tubular structures using CBD: a post treatment route. Nanotechnology, 2016, 27, 025602.	2.6	5
126	Simple and Versatile High Aspect Ratio Nanostructuring via Zinc Oxide Masking. Advanced Materials Technologies, 2017, 2, 1700107.	5.8	5

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127	Phenomenological modelling of light transmission through nanowires arrays. Thin Solid Films, 2019, 675, 43-49.	1.8	5
128	X-ray diffraction and reflectometry studies of porous silicon:. Physica B: Condensed Matter, 1998, 248, 101-103.	2.7	4
129	Soft photo structuring of porous silicon in water. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1276-1280.	1.8	4
130	Porous surface statistical characterization via fluorescence correlation spectroscopy. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1507-1511.	1.8	4
131	Bidimensional near-field sampling spectrometry. Optics Letters, 2010, 35, 3303.	3.3	4
132	Interaction between confined phonons and photons in periodic silicon resonators. Physical Review B, 2018, 97, .	3.2	4
133	Optical density of states near planar ENZ materials. Optics Letters, 2020, 45, 3593.	3.3	4
134	Selective separation of plastic LED lamp components using electrodynamic fragmentation for material recovery. Waste Management, 2022, 144, 210-220.	7.4	4
135	Strong light confinement in microporous photonic silicon structures. Materials Research Society Symposia Proceedings, 2003, 797, 19.	0.1	3
136	Enlarged sample holder for optical AFM imaging: Millimeter scanning with high resolution. , 2009, , .		3
137	Strategies for self-organization of Au nanoparticles assisted by copolymer templates. Proceedings of SPIE, 2013, , .	0.8	3
138	Nanophotonics: Energy Transfer towards Enhanced Luminescent Chemosensing. Materials, 2015, 8, 1682-1703.	2.9	3
139	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
140	Facile, wafer-scale compatible growth of ZnO nanowires via chemical bath deposition: assessment of zinc ion contribution and other limiting factors. Nanoscale Advances, 2020, 2, 5288-5295.	4.6	3
141	Nearâ€field investigation of porous silicon photoluminescence modification after oxidation in water. Journal of Microscopy, 2008, 229, 469-474.	1.8	2
142	Validation of an analytical model of Si-ring resonators for designing a 1 Ã— 8 multiplexer in SCISSOR configuration. Optical and Quantum Electronics, 2012, 44, 541-547.	3.3	2
143	Metal-dielectric metamaterials for guided wave optics applications. , 2013, , .		2
144	Microscopic defects as the limiting factor in the direct transmission of nanocoatings obtained through selfâ€assembly. Nano Select, 2021, 2, 140-145.	3.7	2

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145	Optical full-field measurement of strain at a microscopic scale with the grid method. , 2006, , .		2
146	Large Co Cluster Deposition on Naturally and Artificially Patterned Substrates. Japanese Journal of Applied Physics, 2002, 41, 5726-5729.	1.5	1
147	Porous silicon: A photonic material for all seasons. , 0, , .		1
148	Application of VUV laser harmonic radiation to the measurement of porous silicon dielectric function. Optics and Lasers in Engineering, 2002, 37, 611-620.	3.8	1
149	Mapping of localized surface plasmon fields via exposure of a photosensitive polymer. , 2004, 5450, 439.		1
150	Optical field probing in photonic structures by atomic force microscopy combined with optical heterodyne detection. Proceedings of SPIE, 2008, , .	0.8	1
151	Enlarged Sample Holder for Optical AFM Imaging: Millimeter Scanning with High Resolution. , 2010, , .		1
152	Optical near field in silicon photonics. Proceedings of SPIE, 2011, , .	0.8	1
153	Light confinement and propagation characteristics in plasmonic gap waveguides on silicon. Proceedings of SPIE, 2011, , .	0.8	1
154	Nanophotonics: Fabrications and Application of Nanoscale Optics to Novel Photonic Devices. Advances in Optical Technologies, 2015, 2015, 1-1.	0.8	1
155	ZnO as a platform for quantum photonics. , 2019, , .		1
156	Superlattices as Characterisation Tool for the Beginning of PS Formation. Journal of Porous Materials, 2000, 7, 373-376.	2.6	0
157	Standing Wave Reflectivity in Photonic Structures Using a Scattering Type Optical Near-Field Optical Microscope. Materials Research Society Symposia Proceedings, 2003, 797, 99.	0.1	0
158	Light emission from 1D silicon photonic crystals containing erbium. , 2004, , .		0
159	High accuracy optoelectronic control system for near field characterization of millimeter long wave guiding structures. , 2005, 5858, 50.		0
160	Surface plasmon-like behavior of two-photon induced photoluminescence of gold nanorods. , 2006, , .		0
161	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
162	Large area sample holder unit for enhanced near field microscopy applications. , 2007, , .		0

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163	A compact SWIFTS spectrograph with a leaky loop structure. , 2008, , .		0
164	Towards Refractive Index Modulation in TiO2 by Means of Electrochemical Anodization. ECS Transactions, 2009, 25, 99-103.	0.5	0
165	Photo-Electrochemical Reduction of Carbon Dioxide on the Self-organized TiO₂ Nanotube Layers. ECS Transactions, 2010, 25, 123-134.	0.5	0
166	Experimental Study of the Lasing Modes of 1.3-<formula formulatype="inline"><tex Notation="TeX">mu</tex></formula>m Highly Strained InGaAs–GaAs Quantum-Well Oxide-Confined VCSELs. IEEE Photonics Technology Letters, 2009, 21, 377-379.	2.5	0
167	Millimeter scale topographical image of highly integrated optical structures using enlarged metrological atomic-force microscopy. Proceedings of SPIE, 2010, , .	0.8	0
168	Metal-oxide-silicon nanophotonics: An efficient integration of plasmonic nano-slots with silicon waveguides. , 2010, , .		0
169	Far field scattering by a waveguide-coupled nanowire. , 2011, , .		0
170	Validation of an analytical model of si-ring resonators for designing a 1×8 multiplexer in SCISSOR configuration. , 2011, , .		0
171	Light propagation in metallic nanoparticle chains on SOI waveguide. Proceedings of SPIE, 2012, , .	0.8	0
172	Nanoscale engineering of the waveguide local effective index by metamaterial resonances: Toward transformation optics applications. , 2013, , .		0
173	Guided wave metamaterial configurations for application in the near IR domain. , 2013, , .		0
174	Optical near field imaging of localized surface plasmons modes in metallic nanostructures integrated on dielectric waveguides. Proceedings of SPIE, 2013, , .	0.8	0
175	Nanophotonics: Plasmonics and hybrid integration. , 2014, , .		0
176	Highly efficient excitonic emission of CBD grown ZnO micropods (Presentation Recording). , 2015, , .		0
177	Enhanced luminescence excitation via efficient optical energy transfer (Presentation Recording). Proceedings of SPIE, 2015, , .	0.8	0
178	ZnO top-down structuring for UV photonic applications (Conference Presentation). , 2016, , .		0
179	Experimental characteristics and analysis of transverse modes in 1.3-Î¼m strained InGaAs quantum well VCSELs. , 2006, , .		0
180	CoBiSS: Compact Bidimensional Sampling Spectrometer. , 2011, , .		0

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181	Highly Efficient Interfacing of Silicon-on-Insulator and Localized Surface Plasmon Waveguides. , 2012, , .		0