

Pierre Berini

List of Publications by Year in descending order

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304
papers

9,974
citations

57631

44
h-index

39575

94
g-index

309
all docs

309
docs citations

309
times ranked

6692
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-range surface plasmon polaritons. <i>Advances in Optics and Photonics</i> , 2009, 1, 484.	12.1	839
2	Surface plasmonâ€“polariton amplifiers and lasers. <i>Nature Photonics</i> , 2012, 6, 16-24.	15.6	736
3	Plasmon-polariton waves guided by thin lossy metal films of finite width: Bound modes of symmetric structures. <i>Physical Review B</i> , 2000, 61, 10484-10503.	1.1	662
4	Plasmon-polariton waves guided by thin lossy metal films of finite width: Bound modes of asymmetric structures. <i>Physical Review B</i> , 2001, 63, .	1.1	366
5	Amplification of long-range surface plasmons by a dipolar gain medium. <i>Nature Photonics</i> , 2010, 4, 382-387.	15.6	366
6	Experimental observation of plasmonâ€“polariton waves supported by a thin metal film of finite width. <i>Optics Letters</i> , 2000, 25, 844.	1.7	288
7	Demonstration of integrated optics elements based on long-ranging surface plasmon polaritons. <i>Optics Express</i> , 2005, 13, 977.	1.7	276
8	Figures of merit for surface plasmon waveguides. <i>Optics Express</i> , 2006, 14, 13030.	1.7	255
9	Thin-Film Schottky Barrier Photodetector Models. <i>IEEE Journal of Quantum Electronics</i> , 2010, 46, 633-643.	1.0	248
10	Plasmonâ€“polariton modes guided by a metal film of finite width. <i>Optics Letters</i> , 1999, 24, 1011.	1.7	197
11	Surface plasmon photodetectors and their applications. <i>Laser and Photonics Reviews</i> , 2014, 8, 197-220.	4.4	186
12	Surface plasmon waveguide Schottky detector. <i>Optics Express</i> , 2010, 18, 8505.	1.7	179
13	Figures of merit for 2D surface plasmon waveguides and application to metal stripes. <i>Optics Express</i> , 2007, 15, 12174.	1.7	172
14	Laser-induced plasmonic colours on metals. <i>Nature Communications</i> , 2017, 8, 16095.	5.8	161
15	Bulk and surface sensitivities of surface plasmon waveguides. <i>New Journal of Physics</i> , 2008, 10, 105010.	1.2	157
16	Passive integrated optics elements based on long-range surface plasmon polaritons. <i>Journal of Lightwave Technology</i> , 2006, 24, 477-494.	2.7	148
17	One-dimensional surface phonon polaritons in boron nitride nanotubes. <i>Nature Communications</i> , 2014, 5, 4782.	5.8	140
18	Time-asymmetric loop around an exceptional point over the full optical communications band. <i>Nature</i> , 2018, 562, 86-90.	13.7	139

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19	Efficient and accurate numerical analysis of multilayer planar optical waveguides in lossy anisotropic media. <i>Optics Express</i> , 2000, 7, 260.	1.7	131
20	Long-Range Surface Plasmons on Ultrathin Membranes. <i>Nano Letters</i> , 2007, 7, 1376-1380.	4.5	118
21	Biosensing using straight long-range surface plasmon waveguides. <i>Optics Express</i> , 2013, 21, 698.	1.7	112
22	Thermally Activated Variable Attenuation of Long-Range Surface Plasmon-Polariton Waves. <i>Journal of Lightwave Technology</i> , 2006, 24, 4391-4402.	2.7	106
23	Demonstration of Bragg gratings based on long ranging surface plasmon polariton waveguides. <i>Optics Express</i> , 2005, 13, 4674.	1.7	99
24	Schottky contact surface-plasmon detector integrated with an asymmetric metal stripe waveguide. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	99
25	Theory of surface plasmon-polariton amplification in planar structures incorporating dipolar gain media. <i>Physical Review B</i> , 2008, 78, .	1.1	93
26	Plasmon-polariton modes guided by a metal film of finite width bounded by different dielectrics. <i>Optics Express</i> , 2000, 7, 329.	1.7	90
27	On the convergence and accuracy of the FDTD method for nanoplasmonics. <i>Optics Express</i> , 2015, 23, 10481.	1.7	83
28	Extremely broadband, on-chip optical nonreciprocity enabled by mimicking nonlinear anti-adiabatic quantum jumps near exceptional points. <i>Nature Communications</i> , 2017, 8, 14154.	5.8	83
29	Serological Diagnosis of Dengue Infection in Blood Plasma Using Long-Range Surface Plasmon Waveguides. <i>Analytical Chemistry</i> , 2014, 86, 1735-1743.	3.2	72
30	Plasmonic colours predicted by deep learning. <i>Scientific Reports</i> , 2019, 9, 8074.	1.6	66
31	An experimental study of the effects of harmonic loading on microwave MESFET oscillators and amplifiers. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1994, 42, 943-950.	2.9	65
32	Surface-plasmon Schottky contact detector based on a symmetric metal stripe in silicon. <i>Optics Letters</i> , 2010, 35, 529.	1.7	65
33	High-responsivity sub-bandgap hot-hole plasmonic Schottky detectors. <i>Optics Express</i> , 2016, 24, 22544.	1.7	58
34	Efficient Mode Transfer on a Compact Silicon Chip by Encircling Moving Exceptional Points. <i>Physical Review Letters</i> , 2020, 124, 153903.	2.9	58
35	AFM study of BSA adlayers on Au stripes. <i>Applied Surface Science</i> , 2007, 253, 9209-9214.	3.1	56
36	Plasmonic Nanostructured Metal-Oxide-Semiconductor Reflection Modulators. <i>Nano Letters</i> , 2015, 15, 2304-2311.	4.5	56

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37	A comparison of wavelength dependent polarization dependent loss measurements in fiber gratings. IEEE Transactions on Instrumentation and Measurement, 2000, 49, 1231-1239.	2.4	53
38	Detection of dengue NS1 antigen using long-range surface plasmon waveguides. Biosensors and Bioelectronics, 2016, 78, 132-139.	5.3	53
39	Long-range surface plasmon-polariton mode cutoff and radiation in embedded strip waveguides. Journal of Applied Physics, 2006, 100, 043104.	1.1	51
40	Thin Au surface plasmon waveguide Schottky detectors on p-Si. Nanotechnology, 2012, 23, 444011.	1.3	51
41	Observation of exceptional points in reconfigurable non-Hermitian vector-field holographic lattices. Nature Communications, 2016, 7, 12201.	5.8	51
42	Fabrication of surface plasmon waveguides and devices in Cytop with integrated microfluidic channels. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2010, 28, 729-735.	0.6	49
43	Fano resonances in plasmonic heptamer nano-hole arrays. Optics Express, 2017, 25, 18566.	1.7	49
44	Material characterization using a quasi-optical measurement system. IEEE Transactions on Instrumentation and Measurement, 2003, 52, 333-336.	2.4	47
45	Highly tunable nanoscale metal-insulator-metal split ring core ring resonators (SRCRRs). Optics Express, 2013, 21, 79.	1.7	44
46	Selective capture of human red blood cells based on blood group using long-range surface plasmon waveguides. Biosensors and Bioelectronics, 2014, 53, 117-122.	5.3	44
47	Curved long-range surface plasmon-polariton waveguides. Optics Express, 2006, 14, 2365.	1.7	43
48	Atomically flat symmetric elliptical nanohole arrays in a gold film for ultrasensitive refractive index sensing. Lab on A Chip, 2013, 13, 2541.	3.1	42
49	Modeling surface plasmon-polariton gain in planar metallic structures. Optics Express, 2009, 17, 20191.	1.7	40
50	Plasmonic photodetector with terahertz electrical bandwidth. Applied Physics Letters, 2014, 104, .	1.5	40
51	Parityâ€“Time Symmetry Synthetic Lasers: Physics and Devices. Advanced Optical Materials, 2019, 7, 1900694.	3.6	40
52	Bragg gratings based on long-range surface plasmon-polariton waveguides: comparison of theory and experiment. IEEE Journal of Quantum Electronics, 2005, 41, 1480-1491.	1.0	39
53	Long-range surface plasmon-polariton waveguides and devices in lithium niobate. Journal of Applied Physics, 2007, 101, 113114.	1.1	39
54	Mach-Zehnder refractometric sensor using long-range surface plasmon waveguides. Applied Physics Letters, 2013, 103, .	1.5	38

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55	Detection of leukemia markers using long-range surface plasmon waveguides functionalized with Protein G. Lab on A Chip, 2015, 15, 4156-4165.	3.1	37
56	Modeling lossy anisotropic dielectric waveguides with the method of lines. IEEE Transactions on Microwave Theory and Techniques, 1996, 44, 749-759.	2.9	34
57	Infrared Performance of Symmetric Surface-Plasmon Waveguide Schottky Detectors in Si. Journal of Lightwave Technology, 2011, 29, 1852-1860.	2.7	34
58	Single-mode surface plasmon distributed feedback lasers. Nanoscale, 2018, 10, 5914-5922.	2.8	34
59	Tunable Plasmonic Metasurfaces for Optical Phased Arrays. IEEE Journal of Selected Topics in Quantum Electronics, 2021, 27, 1-16.	1.9	33
60	Long-range surface plasmon polariton mode cutoff and radiation in slab waveguides. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 1971.	0.8	32
61	Demonstration of surface sensing using long-range surface plasmon waveguides on silica. Sensors and Actuators B: Chemical, 2008, 134, 455-461.	4.0	32
62	Long range surface plasmons on asymmetric suspended thin film structures for biosensing applications. Optics Express, 2010, 18, 19009.	1.7	32
63	Selective detection of bacteria in urine with a long-range surface plasmon waveguide biosensor. Biomedical Optics Express, 2015, 6, 2908.	1.5	32
64	Periodic plasmonic nanoantennas in a piecewise homogeneous background. Optics Express, 2012, 20, 18044.	1.7	31
65	Bloch Long-Range Surface Plasmon Polaritons on Metal Stripe Waveguides on a Multilayer Substrate. ACS Photonics, 2017, 4, 593-599.	3.2	30
66	Long-Range Surface Plasmons Along Membrane-Supported Metal Stripes. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 1479-1495.	1.9	29
67	Nonlinear optics of surface plasmon polaritons in subwavelength graphene ribbon resonators. Optics Express, 2016, 24, 708.	1.7	29
68	Topography Tuning for Plasmonic Color Enhancement via Picosecond Laser Bursts. Advanced Optical Materials, 2018, 6, 1800189.	3.6	29
69	Helium focused ion beam direct milling of plasmonic heptamer-arranged nanohole arrays. Nanophotonics, 2020, 9, 393-399.	2.9	29
70	Schottky-contact plasmonic dipole rectenna concept for biosensing. Optics Express, 2013, 21, 4328.	1.7	28
71	Theoretical performance of Bragg gratings based on long-range surface plasmon-polariton waveguides. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2006, 23, 1757.	0.8	27
72	Grating couplers for broadside input and output coupling of long-range surface plasmons. Optics Express, 2010, 18, 8006.	1.7	26

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73	Long-range surface plasmon-polariton mode cutoff and radiation. Applied Physics Letters, 2006, 88, 051119.	1.5	24
74	Optimization of Long-Range Surface Plasmon Waveguides for Attenuation-Based Biosensing. Journal of Lightwave Technology, 2015, 33, 3234-3242.	2.7	24
75	Spontaneous emission in long-range surface plasmon-polariton amplifiers. Physical Review B, 2011, 83, .	1.1	23
76	Air gaps in metal stripe waveguides supporting long-range surface plasmon polaritons. Journal of Applied Physics, 2007, 102, 033112.	1.1	22
77	Ordered gold nanoparticle arrays on glass and their characterization. Journal of Colloid and Interface Science, 2013, 410, 1-10.	5.0	22
78	Enhanced Raman scattering in graphene by plasmonic resonant Stokes emission. Nanophotonics, 2014, 3, 363-371.	2.9	22
79	Modeling and Characterization of Antireflection Coatings with Embedded Silver Nanoparticles for Silicon Solar Cells. Plasmonics, 2015, 10, 1525-1536.	1.8	22
80	Theoretical biosensing performance of surface plasmon polariton Bragg gratings. Applied Optics, 2015, 54, 1673.	0.9	22
81	Dual-polarization plasmonic metasurface for nonlinear optics. Optics Letters, 2015, 40, 2874.	1.7	22
82	Long-Range Surface Plasmon-Polariton Waveguide Biosensors for Disease Detection. Journal of Lightwave Technology, 2016, 34, 4673-4681.	2.7	22
83	Hydrogen sensing with Pd-coated long-range surface plasmon membrane waveguides. Nanoscale, 2016, 8, 4284-4290.	2.8	22
84	Optical Beam Steering Using Tunable Metasurfaces. ACS Photonics, 2022, 9, 2204-2218.	3.2	22
85	Long-range surface plasmon-polariton waveguides in silica. Journal of Applied Physics, 2007, 102, 053105.	1.1	21
86	Toposelective Electrochemical Desorption of Thiol SAMs from Neighboring Polycrystalline Gold Surfaces. Langmuir, 2008, 24, 12097-12101.	1.6	21
87	Fabrication of surface plasmon waveguides and integrated components on Cytop. Microelectronic Engineering, 2010, 87, 1914-1921.	1.1	21
88	Passive long-range surface plasmon-polariton devices in Cytop. Applied Optics, 2012, 51, 1459.	0.9	21
89	Bulk Sensing Using a Long-Range Surface-Plasmon Dual-Output Mach-Zehnder Interferometer. Journal of Lightwave Technology, 2016, 34, 2631-2638.	2.7	20
90	Vectorial control of nonlinear emission via chiral butterfly nanoantennas: generation of pure high order nonlinear vortex beams. Optics Express, 2017, 25, 2569.	1.7	20

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91	Lipid Reassembly in Asymmetric Langmuir–Blodgett/Langmuir–Schaeffer Bilayers. <i>Langmuir</i> , 2013, 29, 221-227.	1.6	19
92	Biomolecular kinetics analysis using long-range surface plasmon waveguides. <i>Sensors and Actuators B: Chemical</i> , 2017, 243, 114-120.	4.0	19
93	Origin of third harmonic generation in plasmonic nanoantennas. <i>Optical Materials Express</i> , 2017, 7, 1575.	1.6	19
94	External cavity laser using a long-range surface plasmon grating as a distributed Bragg reflector. <i>Applied Physics Letters</i> , 2007, 91, 181114.	1.5	18
95	Broadside excitation of surface plasmon waveguides on Cytop. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	18
96	Long-range surface plasmon triple-output Mach-Zehnder interferometers. <i>Optics Express</i> , 2014, 22, 4006.	1.7	18
97	Light-opals interaction modeling by direct numerical solution of Maxwell's equations. <i>Optics Express</i> , 2014, 22, 27739.	1.7	18
98	Passivation of Plasmonic Colors on Bulk Silver by Atomic Layer Deposition of Aluminum Oxide. <i>Langmuir</i> , 2018, 34, 4998-5010.	1.6	18
99	Polaritonic frequency-comb generation and breather propagation in a negative-index metamaterial with a cold four-level atomic medium. <i>Physical Review A</i> , 2019, 99, .	1.0	18
100	Surface plasmon waveguide Schottky detectors operating near breakdown. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010, 4, 283-285.	1.2	17
101	Detection of Small Molecules Using Long-Range Surface Plasmon Polariton Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 103-112.	1.9	17
102	Subbandgap Asymmetric Surface Plasmon Waveguide Schottky Detectors on Silicon. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 4600209-4600209.	1.9	17
103	On the performance of optical phased array technology for beam steering: effect of pixel limitations. <i>Optics Express</i> , 2020, 28, 31637.	1.7	17
104	Wafer-bonded surface plasmon waveguides. <i>Applied Physics Letters</i> , 2007, 90, 061108.	1.5	16
105	Fabrication of surface plasmon waveguides and integrated components on ultrathin freestanding membranes. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2008, 26, 1383-1391.	0.9	16
106	Broadside coupling to long-range surface plasmons using an angle-cleaved optical fiber. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	16
107	On the Convergence and Accuracy of Numerical Mode Computations of Surface Plasmon Waveguides. <i>Journal of Computational and Theoretical Nanoscience</i> , 2009, 6, 2040-2053.	0.4	16
108	Near infrared amplified spontaneous emission in a dye-doped polymeric waveguide for active plasmonic applications. <i>Optics Express</i> , 2014, 22, 12452.	1.7	16

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109	Long-range surface plasmon Y-junctions for referenced biosensing. <i>Optics Express</i> , 2015, 23, 31098.	1.7	16
110	Characterization of grating-coupled long range surface plasmon polariton membrane waveguides. <i>Optics Express</i> , 2015, 23, 17421.	1.7	16
111	Surface plasmon enhanced photodetectors based on internal photoemission. <i>Journal of Photonics for Energy</i> , 2016, 6, 042511.	0.8	16
112	Low detection limits using sandwich and inhibition assays on long-range surface plasmon waveguide biosensors. <i>Sensors and Actuators B: Chemical</i> , 2018, 273, 1156-1161.	4.0	16
113	Electrochemical Differentiation and TOF-SIMS Characterization of Thiol-Coated Gold Features for (Bio)chemical Sensor Applications. <i>Journal of the Electrochemical Society</i> , 2009, 156, J386.	1.3	15
114	Long-Range Surface Plasmon-Polariton Waveguide Biosensors for Human Cardiac Troponin I Detection. <i>Sensors</i> , 2019, 19, 631.	2.1	15
115	Characterization of wavelength-selective fiber-optic devices using a modified phase-shift method. <i>Journal of Lightwave Technology</i> , 2001, 19, 717-731.	2.7	14
116	Guiding Light with Long-Range Plasmons. <i>Optics and Photonics News</i> , 2008, 19, 28.	0.4	14
117	Frequency pulling and line-shape broadening in graphene Raman spectra by resonant Stokes surface plasmon polaritons. <i>Physical Review B</i> , 2015, 91, .	1.1	14
118	Single-mode lasers and parity-time symmetry broken gratings based on active dielectric-loaded long-range surface plasmon polariton waveguides. <i>Optics Express</i> , 2015, 23, 19922.	1.7	14
119	Unidirectional Bragg Gratings Using Parity-Time Symmetry Breaking in Plasmonic Systems. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 48-59.	1.9	14
120	Nanoscale Schottky contact surface plasmon "point detectors" for optical beam scanning applications. <i>Applied Optics</i> , 2017, 56, 3329.	2.1	13
121	Grating couplers for (Bloch) long-range surface plasmons on metal stripe waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 1921.	0.9	13
122	A comprehensive study of numerical anisotropy and dispersion in 3-D TLM meshes. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995, 43, 1173-1181.	2.9	12
123	Fabrication of surface plasmon waveguides on thin CYTOP membranes. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009, 27, 614-619.	0.9	12
124	Long-range surface plasmon single-mode laser concepts. <i>Journal of Applied Physics</i> , 2012, 112, 063115.	1.1	12
125	Fabrication of a plasmonic modulator incorporating an overlaid grating coupler. <i>Nanotechnology</i> , 2014, 25, 495202.	1.3	12
126	Mid-infrared surface phonon polaritons in boron-nitride nanotubes. <i>Journal of Optics (United Kingdom)</i> , 2010, 11, 110101.	1.0	12

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127	Fabrication of long-range surface plasmon-polariton Bragg gratings with microfluidic channels in Cytop claddings. <i>Microelectronic Engineering</i> , 2015, 135, 38-44.	1.1	12
128	Confinement and deposition of solution droplets on solvophilic surfaces using a flat high surface energy guide. <i>Lab on A Chip</i> , 2007, 7, 483.	3.1	11
129	Mechanical Properties of Thin Free-Standing CYTOP Membranes. <i>Journal of Microelectromechanical Systems</i> , 2010, 19, 700-705.	1.7	11
130	Theory of noise in high-gain surface plasmon-polariton amplifiers incorporating dipolar gain media. <i>Optics Express</i> , 2011, 19, 20506.	1.7	11
131	Modeling and design of hydrogen gas sensors based on a membrane-supported surface plasmon waveguide. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 285-291.	4.0	11
132	Multichannel Transmission Through a Gold Strip Plasmonic Waveguide Embedded in Cytop. <i>IEEE Photonics Journal</i> , 2013, 5, 2201811-2201811.	1.0	11
133	Visible light driven plasmonic photochemistry on nano-textured silver. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 238-246.	1.3	11
134	Integrated multichannel Young's interferometer sensor based on long-range surface plasmon waveguides. <i>Optics Express</i> , 2019, 27, 25470.	1.7	11
135	Characterization of chromatic dispersion and polarization sensitivity in fiber gratings. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1999, 48, 939-943.	2.4	10
136	Measuring gain and noise in active long-range surface plasmon-polariton waveguides. <i>Review of Scientific Instruments</i> , 2011, 82, 033107.	0.6	10
137	Thermo-optic characterization of long-range surface-plasmon devices in Cytop. <i>Applied Optics</i> , 2013, 52, 162.	0.9	10
138	Spatially nonreciprocal Bragg gratings based on surface plasmons. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	10
139	Long-range surface plasmons on gold-coated single-mode fibers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 2354.	0.9	10
140	Bulk sensing using a long-range surface-plasmon triple-output Mach-Zehnder interferometer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016, 33, 1068.	0.9	10
141	Viability assessment of bacteria using long-range surface plasmon waveguide biosensors. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	10
142	Helium ion beam lithography and liftoff. <i>Nano Futures</i> , 2021, 5, 025003.	1.0	10
143	Generation of structured coherent extreme ultraviolet beams from an MgO crystal. <i>Optics Express</i> , 2021, 29, 24161.	1.7	10
144	Grating couplers fabricated by e-beam lithography for long-range surface plasmon waveguides embedded in a fluoropolymer. <i>Applied Optics</i> , 2019, 58, 2994.	0.9	10

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145	Normal mode analysis and characterization of an InGaAs/GaAs MQW field-induced optical waveguide including electrode effects. <i>Journal of Lightwave Technology</i> , 1996, 14, 2422-2435.	2.7	9
146	Modeling and design of GaAs traveling-wave electrooptic modulators based on the planar microstrip structure. <i>Journal of Lightwave Technology</i> , 2006, 24, 2368-2379.	2.7	9
147	Fabrication of long-range surface plasmon-polariton waveguides in lithium niobate on silicon. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2007, 25, 692-700.	0.9	9
148	Noise Cancellation in Long-Range Surface Plasmon Dual-Output Mach-Zehnder Interferometers. <i>Journal of Lightwave Technology</i> , 2013, 31, 2606-2612.	2.7	9
149	Fabrication of long-range surface plasmon hydrogen sensors on Cytop membranes integrating grating couplers. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2015, 33, 021201.	0.6	9
150	Laser-written colours on silver: optical effect of alumina coating. <i>Nanophotonics</i> , 2019, 8, 807-822.	2.9	9
151	Fabrication of Bloch Long Range Surface Plasmon Waveguides Integrating Counter Electrodes and Microfluidic Channels for Multimodal Biosensing. <i>Journal of Microelectromechanical Systems</i> , 2021, 30, 686-695.	1.7	9
152	Fabrication of high frequency SAW devices using tri-layer lift-off photolithography. <i>Microelectronic Engineering</i> , 2022, 253, 111671.	1.1	9
153	Modeling and design of GaAs traveling-wave electrooptic modulators based on capacitively loaded coplanar strips. <i>Journal of Lightwave Technology</i> , 2006, 24, 544-554.	2.7	8
154	Broadside coupling to long-range surface plasmons in metal stripes using prisms, particles, and an atomic force microscope probe. <i>Review of Scientific Instruments</i> , 2008, 79, 073106.	0.6	8
155	Design of microfluidic channels separated by an ultra-thin free-standing dielectric membrane. <i>Microfluidics and Nanofluidics</i> , 2009, 6, 17-26.	1.0	8
156	Broadside Excitation of Long-Range Surface Plasmons via Grating Coupling. <i>IEEE Photonics Technology Letters</i> , 2009, 21, 1831-1833.	1.3	8
157	Schottky photodetector integration on LOCOS-defined SOI waveguides. , 2010, , .		8
158	A contact angle and ToF-SIMS study of SAMs-thiol interactions on polycrystalline gold. <i>Applied Surface Science</i> , 2011, 257, 4038-4043.	3.1	8
159	Plasmonic gain in long-range surface plasmon polariton waveguides bounded symmetrically by dye-doped polymer. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	8
160	Nonlinear optics rules magnetism. <i>Nature Photonics</i> , 2016, 10, 74-75.	15.6	8
161	Straight Long-Range Surface Plasmon Polariton Waveguide Sensor Operating at $\lambda_0 = 850$ nm. <i>Sensors</i> , 2020, 20, 2507.	2.1	8
162	Hot embossing of microfluidics in cyclic-olefin co-polymer using a wafer aligner-bonder. <i>Microsystem Technologies</i> , 2021, 27, 3899-3906.	1.2	8

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163	Non-specific adsorption of protein to microfluidic materials. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112138.	2.5	8
164	Design of an Efficient Fabry-Perot Biosensor Using High-Contrast Slanted Grating Couplers on a Dual-Core Single-Mode Optical Fiber Tip. <i>IEEE Sensors Journal</i> , 2021, 21, 19705-19713.	2.4	8
165	Integrated optics devices for long-ranging surface plasmons: fabrication challenges and solutions. , 2005, 5720, 173.		7
166	Teardrop-shaped surface-plasmon resonators. <i>Optics Express</i> , 2012, 20, 6472.	1.7	7
167	Chip-Scale Electrochemical Differentiation of SAM-Coated Gold Features Using a Probe Array. <i>Journal of the Electrochemical Society</i> , 2012, 159, J77-J82.	1.3	7
168	Gain optimization, bleaching, and e-beam structuring of IR-140 doped PMMA and integration with plasmonic waveguides. <i>Optical Materials Express</i> , 2017, 7, 3963.	1.6	7
169	Multichannel Long-Range Surface Plasmon Waveguides for Parallel Biosensing. <i>Journal of Lightwave Technology</i> , 2018, 36, 5536-5546.	2.7	7
170	Ultrasensitive nanoplasmonic biosensor based on interferometric excitation of multipolar plasmonic modes. <i>Optics Express</i> , 2021, 29, 17365.	1.7	7
171	Fano resonances in nanohole oligomers in a gold film. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	7
172	Highlighting recent progress in long-range surface plasmon polaritons: guest editorial. <i>Advances in Optics and Photonics</i> , 2019, 11, ED19.	12.1	7
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