

Pierre Berini

List of Publications by Citations

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238
papers

7,724
citations

40
h-index

82
g-index

309
ext. papers

9,179
ext. citations

4.6
avg, IF

6.79
L-index

#	Paper	IF	Citations
238	Long-range surface plasmon polaritons. <i>Advances in Optics and Photonics</i> , 2009 , 1, 484	16.7	664
237	Surface plasmon polariton amplifiers and lasers. <i>Nature Photonics</i> , 2012 , 6, 16-24	33.9	604
236	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	3.3	567
235	Amplification of long-range surface plasmons by a dipolar gain medium. <i>Nature Photonics</i> , 2010 , 4, 382-387	33.9	318
234	Experimental observation of plasmon polariton waves supported by a thin metal film of finite width. <i>Optics Letters</i> , 2000 , 25, 844-6	3	236
233	Plasmon-polariton waves guided by thin lossy metal films of finite width: Bound modes of asymmetric structures. <i>Physical Review B</i> , 2001 , 63,	3.3	235
232	Demonstration of integrated optics elements based on long-ranging surface plasmon polaritons. <i>Optics Express</i> , 2005 , 13, 977-84	3.3	222
231	Figures of merit for surface plasmon waveguides. <i>Optics Express</i> , 2006 , 14, 13030-42	3.3	197
230	. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 633-643	2	187
229	Plasmon polariton modes guided by a metal film of finite width. <i>Optics Letters</i> , 1999 , 24, 1011-3	3	158
228	Figures of merit for 2D surface plasmon waveguides and application to metal stripes. <i>Optics Express</i> , 2007 , 15, 12174-82	3.3	151
227	Surface plasmon photodetectors and their applications. <i>Laser and Photonics Reviews</i> , 2014 , 8, 197-220	8.3	145
226	Surface plasmon waveguide Schottky detector. <i>Optics Express</i> , 2010 , 18, 8505-14	3.3	137
225	Passive integrated optics elements based on long-range surface plasmon polaritons. <i>Journal of Lightwave Technology</i> , 2006 , 24, 477-494	4	129
224	Bulk and surface sensitivities of surface plasmon waveguides. <i>New Journal of Physics</i> , 2008 , 10, 105010	2.9	128
223	One-dimensional surface phonon polaritons in boron nitride nanotubes. <i>Nature Communications</i> , 2014 , 5, 4782	17.4	119
222	Laser-induced plasmonic colours on metals. <i>Nature Communications</i> , 2017 , 8, 16095	17.4	115

221	Biosensing using straight long-range surface plasmon waveguides. <i>Optics Express</i> , 2013 , 21, 698-709	3.3	95
220	Thermally Activated Variable Attenuation of Long-Range Surface Plasmon-Polariton Waves. <i>Journal of Lightwave Technology</i> , 2006 , 24, 4391-4402	4	95
219	Efficient and accurate numerical analysis of multilayer planar optical waveguides in lossy anisotropic media. <i>Optics Express</i> , 2000 , 7, 260-72	3.3	89
218	Long-range surface plasmons on ultrathin membranes. <i>Nano Letters</i> , 2007 , 7, 1376-80	11.5	83
217	Demonstration of Bragg gratings based on long-ranging surface plasmon polariton waveguides. <i>Optics Express</i> , 2005 , 13, 4674-82	3.3	83
216	Schottky contact surface-plasmon detector integrated with an asymmetric metal stripe waveguide. <i>Applied Physics Letters</i> , 2009 , 95, 021104	3.4	82
215	Plasmon-polariton modes guided by a metal film of finite width bounded by different dielectrics. <i>Optics Express</i> , 2000 , 7, 329-35	3.3	75
214	Theory of surface plasmon-polariton amplification in planar structures incorporating dipolar gain media. <i>Physical Review B</i> , 2008 , 78,	3.3	73
213	Time-asymmetric loop around an exceptional point over the full optical communications band. <i>Nature</i> , 2018 , 562, 86-90	50.4	72
212	On the convergence and accuracy of the FDTD method for nanoplasmonics. <i>Optics Express</i> , 2015 , 23, 10481-97	3.3	62
211	Extremely broadband, on-chip optical nonreciprocity enabled by mimicking nonlinear anti-adiabatic quantum jumps near exceptional points. <i>Nature Communications</i> , 2017 , 8, 14154	17.4	53
210	Serological diagnosis of dengue infection in blood plasma using long-range surface plasmon waveguides. <i>Analytical Chemistry</i> , 2014 , 86, 1735-43	7.8	53
209	Surface-plasmon Schottky contact detector based on a symmetric metal stripe in silicon. <i>Optics Letters</i> , 2010 , 35, 529-31	3	50
208	AFM study of BSA adlayers on Au stripes. <i>Applied Surface Science</i> , 2007 , 253, 9209-9214	6.7	49
207	Long-range surface plasmon-polariton mode cutoff and radiation in embedded strip waveguides. <i>Journal of Applied Physics</i> , 2006 , 100, 043104	2.5	45
206	Detection of dengue NS1 antigen using long-range surface plasmon waveguides. <i>Biosensors and Bioelectronics</i> , 2016 , 78, 132-139	11.8	44
205	Thin Au surface plasmon waveguide Schottky detectors on p-Si. <i>Nanotechnology</i> , 2012 , 23, 444011	3.4	44
204	Fabrication of surface plasmon waveguides and devices in Cytop with integrated microfluidic channels. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2010 , 28, 729-735	1.3	42

203	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1994 , 42, 943-950	4.1	42
202	High-responsivity sub-bandgap hot-hole plasmonic Schottky detectors. <i>Optics Express</i> , 2016 , 24, 22544-22554	3.5	42
201	A comparison of wavelength dependent polarization dependent loss measurements in fiber gratings. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2000 , 49, 1231-1239	5.2	41
200	Highly tunable nanoscale metal-insulator-metal split ring core ring resonators (SRCRRs). <i>Optics Express</i> , 2013 , 21, 79-86	3.3	40
199	Material characterization using a quasi-optical measurement system. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2003 , 52, 333-336	5.2	40
198	Plasmonic nanostructured metal-oxide-semiconductor reflection modulators. <i>Nano Letters</i> , 2015 , 15, 2304-11	11.5	39
197	Selective capture of human red blood cells based on blood group using long-range surface plasmon waveguides. <i>Biosensors and Bioelectronics</i> , 2014 , 53, 117-22	11.8	38
196	Curved long-range surface plasmon-polariton waveguides. <i>Optics Express</i> , 2006 , 14, 2365-71	3.3	38
195	Plasmonic colours predicted by deep learning. <i>Scientific Reports</i> , 2019 , 9, 8074	4.9	37
194	Atomically flat symmetric elliptical nanohole arrays in a gold film for ultrasensitive refractive index sensing. <i>Lab on A Chip</i> , 2013 , 13, 2541-6	7.2	37
193	Observation of exceptional points in reconfigurable non-Hermitian vector-field holographic lattices. <i>Nature Communications</i> , 2016 , 7, 12201	17.4	35
192	Fano resonances in plasmonic heptamer nano-hole arrays. <i>Optics Express</i> , 2017 , 25, 18566-18580	3.3	31
191	. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1852-1860	4	31
190	Modeling surface plasmon-polariton gain in planar metallic structures. <i>Optics Express</i> , 2009 , 17, 20191-2023	3.3	31
189	Long-range surface plasmon-polariton waveguides and devices in lithium niobate. <i>Journal of Applied Physics</i> , 2007 , 101, 113114	2.5	31
188	Bragg gratings based on long-range surface plasmon-polariton waveguides: comparison of theory and experiment. <i>IEEE Journal of Quantum Electronics</i> , 2005 , 41, 1480-1491	2	31
187	Long-range surface plasmon polariton mode cutoff and radiation in slab waveguides. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2006 , 23, 1971-7	1.8	30
186	Plasmonic photodetector with terahertz electrical bandwidth. <i>Applied Physics Letters</i> , 2014 , 104, 143112	3.4	29

185	Mach-Zehnder refractometric sensor using long-range surface plasmon waveguides. <i>Applied Physics Letters</i> , 2013 , 103, 111108	3.4	29
184	Long range surface plasmons on asymmetric suspended thin film structures for biosensing applications. <i>Optics Express</i> , 2010 , 18, 19009-19	3.3	29
183	Detection of leukemia markers using long-range surface plasmon waveguides functionalized with Protein G. <i>Lab on A Chip</i> , 2015 , 15, 4156-65	7.2	28
182	Nonlinear optics of surface plasmon polaritons in subwavelength graphene ribbon resonators. <i>Optics Express</i> , 2016 , 24, 708-23	3.3	27
181	Demonstration of surface sensing using long-range surface plasmon waveguides on silica. <i>Sensors and Actuators B: Chemical</i> , 2008 , 134, 455-461	8.5	27
180	Modeling lossy anisotropic dielectric waveguides with the method of lines. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1996 , 44, 749-759	4.1	27
179	Selective detection of bacteria in urine with a long-range surface plasmon waveguide biosensor. <i>Biomedical Optics Express</i> , 2015 , 6, 2908-22	3.5	24
178	Single-mode surface plasmon distributed feedback lasers. <i>Nanoscale</i> , 2018 , 10, 5914-5922	7.7	23
177	Schottky-contact plasmonic dipole rectenna concept for biosensing. <i>Optics Express</i> , 2013 , 21, 4328-47	3.3	23
176	Long-range surface plasmon-polariton mode cutoff and radiation. <i>Applied Physics Letters</i> , 2006 , 88, 051119	3.9	23
175	Theoretical performance of Bragg gratings based on long-range surface plasmon-polariton waveguides. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2006 , 23, 1757-67	1.8	23
174	Bloch Long-Range Surface Plasmon Polaritons on Metal Stripe Waveguides on a Multilayer Substrate. <i>ACS Photonics</i> , 2017 , 4, 593-599	6.3	22
173	Spontaneous emission in long-range surface plasmon-polariton amplifiers. <i>Physical Review B</i> , 2011 , 83,	3.3	22
172	Ordered gold nanoparticle arrays on glass and their characterization. <i>Journal of Colloid and Interface Science</i> , 2013 , 410, 1-10	9.3	21
171	. <i>Journal of Lightwave Technology</i> , 2015 , 33, 3234-3242	4	21
170	Periodic plasmonic nanoantennas in a piecewise homogeneous background. <i>Optics Express</i> , 2012 , 20, 18044-65	3.3	21
169	Efficient Mode Transfer on a Compact Silicon Chip by Encircling Moving Exceptional Points. <i>Physical Review Letters</i> , 2020 , 124, 153903	7.4	21
168	Topography Tuning for Plasmonic Color Enhancement via Picosecond Laser Bursts. <i>Advanced Optical Materials</i> , 2018 , 6, 1800189	8.1	21

167	Passive long-range surface plasmon-polariton devices in Cytop. <i>Applied Optics</i> , 2012 , 51, 1459-67	1.7	20
166	Long-Range Surface Plasmons Along Membrane-Supported Metal Stripes. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008 , 14, 1479-1495	3.8	20
165	Long-range surface plasmon-polariton waveguides in silica. <i>Journal of Applied Physics</i> , 2007 , 102, 053105	2.5	19
164	Theoretical biosensing performance of surface plasmon polariton Bragg gratings. <i>Applied Optics</i> , 2015 , 54, 1673	1.7	18
163	Hydrogen sensing with Pd-coated long-range surface plasmon membrane waveguides. <i>Nanoscale</i> , 2016 , 8, 4284-90	7.7	18
162	Enhanced Raman scattering in graphene by plasmonic resonant Stokes emission. <i>Nanophotonics</i> , 2014 , 3, 363-371	6.3	18
161	Lipid reassembly in asymmetric Langmuir-Blodgett/Langmuir-Schaeffer bilayers. <i>Langmuir</i> , 2013 , 29, 221-7	4	18
160	Fabrication of surface plasmon waveguides and integrated components on Cytop. <i>Microelectronic Engineering</i> , 2010 , 87, 1914-1921	2.5	18
159	Toposelective electrochemical desorption of thiol SAMs from neighboring polycrystalline gold surfaces. <i>Langmuir</i> , 2008 , 24, 12097-101	4	18
158	Air gaps in metal stripe waveguides supporting long-range surface plasmon polaritons. <i>Journal of Applied Physics</i> , 2007 , 102, 033112	2.5	18
157	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,	2.6	17
156	External cavity laser using a long-range surface plasmon grating as a distributed Bragg reflector. <i>Applied Physics Letters</i> , 2007 , 91, 181114	3.4	17
155	Tunable Plasmonic Metasurfaces for Optical Phased Arrays. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2021 , 27, 1-16	3.8	17
154	Parity-Time Symmetry Synthetic Lasers: Physics and Devices. <i>Advanced Optical Materials</i> , 2019 , 7, 1900698	4.1	16
153	Dual-polarization plasmonic metasurface for nonlinear optics. <i>Optics Letters</i> , 2015 , 40, 2874-7	3	16
152	Passivation of Plasmonic Colors on Bulk Silver by Atomic Layer Deposition of Aluminum Oxide. <i>Langmuir</i> , 2018 , 34, 4998-5010	4	16
151	Modeling and Characterization of Antireflection Coatings with Embedded Silver Nanoparticles for Silicon Solar Cells. <i>Plasmonics</i> , 2015 , 10, 1525-1536	2.4	16
150	Grating couplers for broadside input and output coupling of long-range surface plasmons. <i>Optics Express</i> , 2010 , 18, 8006-18	3.3	16

149	Long-range surface plasmon Y-junctions for referenced biosensing. <i>Optics Express</i> , 2015 , 23, 31098-108	3.3	15
148	Vectorial control of nonlinear emission via chiral butterfly nanoantennas: generation of pure high order nonlinear vortex beams. <i>Optics Express</i> , 2017 , 25, 2569-2582	3.3	15
147	Light-opals interaction modeling by direct numerical solution of Maxwell's equations. <i>Optics Express</i> , 2014 , 22, 27739-49	3.3	15
146	Broadside excitation of surface plasmon waveguides on Cytop. <i>Applied Physics Letters</i> , 2009 , 94, 091114	3.4	15
145	Surface plasmon waveguide Schottky detectors operating near breakdown. <i>Physica Status Solidi - Rapid Research Letters</i> , 2010 , 4, 283-285	2.5	15
144	Wafer-bonded surface plasmon waveguides. <i>Applied Physics Letters</i> , 2007 , 90, 061108	3.4	15
143	Subbandgap Asymmetric Surface Plasmon Waveguide Schottky Detectors on Silicon. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013 , 19, 4600209-4600209	3.8	15
142	Helium focused ion beam direct milling of plasmonic heptamer-arranged nanohole arrays. <i>Nanophotonics</i> , 2020 , 9, 393-399	6.3	15
141	Biomolecular kinetics analysis using long-range surface plasmon waveguides. <i>Sensors and Actuators B: Chemical</i> , 2017 , 243, 114-120	8.5	14
140	Near infrared amplified spontaneous emission in a dye-doped polymeric waveguide for active plasmonic applications. <i>Optics Express</i> , 2014 , 22, 12452-60	3.3	14
139	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	0.3	14
138	Guiding Light with Long-Range Plasmons. <i>Optics and Photonics News</i> , 2008 , 19, 28	1.9	14
137	Long-Range Surface Plasmon-Polariton Waveguide Biosensors for Disease Detection. <i>Journal of Lightwave Technology</i> , 2016 , 34, 4673-4681	4	14
136	Bulk Sensing Using a Long-Range Surface-Plasmon Dual-Output Mach-Zehnder Interferometer. <i>Journal of Lightwave Technology</i> , 2016 , 34, 2631-2638	4	13
135	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	3.8	13
134	Long-range surface plasmon triple-output Mach-Zehnder interferometers. <i>Optics Express</i> , 2014 , 22, 4006-4020	3.3	13
133	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	3.9	13
132	Origin of third harmonic generation in plasmonic nanoantennas. <i>Optical Materials Express</i> , 2017 , 7, 1575	2.6	12

131	Mid-infrared surface phonon polaritons in boron-nitride nanotubes. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 114008	1.7	12
130	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	2.9	12
129	Broadside coupling to long-range surface plasmons using an angle-cleaved optical fiber. <i>Applied Physics Letters</i> , 2008 , 92, 101102	3.4	12
128	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	8.5	11
127	Frequency pulling and line-shape broadening in graphene Raman spectra by resonant Stokes surface plasmon polaritons. <i>Physical Review B</i> , 2015 , 91,	3.3	11
126	Theory of noise in high-gain surface plasmon-polariton amplifiers incorporating dipolar gain media. <i>Optics Express</i> , 2011 , 19, 20506-17	3.3	11
125	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	2.9	11
124	Characterization of grating-coupled long range surface plasmon polariton membrane waveguides. <i>Optics Express</i> , 2015 , 23, 17421-30	3.3	10
123	Surface plasmon enhanced photodetectors based on internal photoemission. <i>Journal of Photonics for Energy</i> , 2016 , 6, 042511	1.2	10
122	Multichannel Transmission Through a Gold Strip Plasmonic Waveguide Embedded in Cytop. <i>IEEE Photonics Journal</i> , 2013 , 5, 2201811-2201811	1.8	10
121	Mechanical Properties of Thin Free-Standing CYTOP Membranes. <i>Journal of Microelectromechanical Systems</i> , 2010 , 19, 700-705	2.5	10
120	Measuring gain and noise in active long-range surface plasmon-polariton waveguides. <i>Review of Scientific Instruments</i> , 2011 , 82, 033107	1.7	10
119	Confinement and deposition of solution droplets on solvophilic surfaces using a flat high surface energy guide. <i>Lab on A Chip</i> , 2007 , 7, 483-9	7.2	10
118	Characterization of wavelength-selective fiber-optic devices using a modified phase-shift method. <i>Journal of Lightwave Technology</i> , 2001 , 19, 717-731	4	10
117	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	1.7	10
116	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, 19922-31	3.3	9
115	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	8.5	9
114	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	1.7	9

113	Long-range surface plasmon single-mode laser concepts. <i>Journal of Applied Physics</i> , 2012 , 112, 063115	2.5	9
112	Characterization of chromatic dispersion and polarization sensitivity in fiber gratings. <i>IEEE Transactions on Instrumentation and Measurement</i> , 1999 , 48, 939-943	5.2	9
111	Long-Range Surface Plasmon-Polariton Waveguide Biosensors for Human Cardiac Troponin I Detection. <i>Sensors</i> , 2019 , 19,	3.8	8
110	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	1.3	8
109	Thermo-optic characterization of long-range surface-plasmon devices in Cytop. <i>Applied Optics</i> , 2013 , 52, 162-70	1.7	8
108	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	2.9	8
107	Nanoscale Schottky contact surface plasmon "point detectors" for optical beam scanning applications. <i>Applied Optics</i> , 2017 , 56, 3329-3334	0.2	8
106	Grating couplers fabricated by e-beam lithography for long-range surface plasmon waveguides embedded in a fluoropolymer. <i>Applied Optics</i> , 2019 , 58, 2994-3002	1.7	8
105	Integrated multichannel Young's interferometer sensor based on long-range surface plasmon waveguides. <i>Optics Express</i> , 2019 , 27, 25470-25484	3.3	8
104	Fabrication of long-range surface plasmon-polariton Bragg gratings with microfluidic channels in Cytop claddings. <i>Microelectronic Engineering</i> , 2015 , 135, 38-44	2.5	7
103	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	3.8	7
102	Spatially nonreciprocal Bragg gratings based on surface plasmons. <i>Applied Physics Letters</i> , 2014 , 105, 191110	3.4	7
101	Noise Cancellation in Long-Range Surface Plasmon Dual-Output Mach-Zehnder Interferometers. <i>Journal of Lightwave Technology</i> , 2013 , 31, 2606-2612	4	7
100	Schottky photodetector integration on LOCOS-defined SOI waveguides 2010 ,		7
99	Design of microfluidic channels separated by an ultra-thin free-standing dielectric membrane. <i>Microfluidics and Nanofluidics</i> , 2009 , 6, 17-26	2.8	7
98	A contact angle and ToF-SIMS study of SAM/hiol interactions on polycrystalline gold. <i>Applied Surface Science</i> , 2011 , 257, 4038-4043	6.7	7
97	Chip-Scale Electrochemical Differentiation of SAM-Coated Gold Features Using a Probe Array. <i>Journal of the Electrochemical Society</i> , 2012 , 159, J77-J82	3.9	7
96	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	1.7	7

95	Integrated optics devices for long-ranging surface plasmons: fabrication challenges and solutions 2005 , 5720, 173		7
94	. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 1995 , 43, 1173-1181	4.1	7
93	On the performance of optical phased array technology for beam steering: effect of pixel limitations. <i>Optics Express</i> , 2020 , 28, 31637-31657	3.3	7
92	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	1.7	7
91	Visible light driven plasmonic photochemistry on nano-textured silver. <i>Physical Chemistry Chemical Physics</i> , 2017 , 20, 238-246	3.6	7
90	Laser-written colours on silver: optical effect of alumina coating. <i>Nanophotonics</i> , 2019 , 8, 807-822	6.3	6
89	Straight Long-Range Surface Plasmon Polariton Waveguide Sensor Operating at $\lambda = 850$ nm. <i>Sensors</i> , 2020 , 20,	3.8	6
88	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	2.6	6
87	Teardrop-shaped surface-plasmon resonators. <i>Optics Express</i> , 2012 , 20, 6472-7	3.3	6
86	Long-range substantially nonradiative metallo-dielectric waveguide. <i>Optics Letters</i> , 2009 , 34, 223-5	3	6
85	. <i>Journal of Lightwave Technology</i> , 2006 , 24, 544-554	4	6
84	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	4	6
83	Effect of ps-laser repetition rate on colour rendition, nanoparticle morphology and surface chemistry on silver [Invited]. <i>Optical Materials Express</i> , 2019 , 9, 457	2.6	6
82	Multichannel Long-Range Surface Plasmon Waveguides for Parallel Biosensing. <i>Journal of Lightwave Technology</i> , 2018 , 36, 5536-5546	4	6
81	Plasmonic gain in long-range surface plasmon polariton waveguides bounded symmetrically by dye-doped polymer. <i>Applied Physics Letters</i> , 2015 , 107, 121107	3.4	5
80	Fabrication of a plasmonic modulator incorporating an overlaid grating coupler. <i>Nanotechnology</i> , 2014 , 25, 495202	3.4	5
79	Surface sensitivity of straight long-range surface plasmon waveguides for attenuation-based biosensing. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 117, 527-535	2.6	5
78	Radiation Suppressing MetalloDielectric Optical Waveguides. <i>Journal of Lightwave Technology</i> , 2009 , 27, 2800-2808	4	5

77	Correction and Extraction Techniques for Dielectric Constant Determination Using a Ka-Band Free-Space Measurement System 2002 ,		5
76	Viability assessment of bacteria using long-range surface plasmon waveguide biosensors. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	4
75	Investigating the Optical Properties of a Laser Induced 3D Self-Assembled Carbon-Metal Hybrid Structure. <i>Small</i> , 2019 , 15, e1900512	11	4
74	Simultaneous high-capacity optical and microwave data transmission over metal waveguides. <i>Optics Express</i> , 2015 , 23, 14135-47	3.3	4
73	Electromagnetic fields near plasmonic wedges. <i>Optics Letters</i> , 2012 , 37, 1667-9	3	4
72	Fabrication of surface plasmon waveguides in CYTOP 2012 ,		4
71	End-Facet Polishing of Surface Plasmon Waveguides in Lithium Niobate. <i>IEEE Transactions on Advanced Packaging</i> , 2008 , 31, 479-483		4
70	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	4	4
69	Highlighting recent progress in long-range surface plasmon polaritons: guest editorial. <i>Advances in Optics and Photonics</i> , 2019 , 11, ED19	16.7	4
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