

Sergei I Bozhevolnyi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2583019/publications.pdf>

Version: 2024-02-01

552
papers

32,839
citations

5248

83
h-index

5227

165
g-index

556
all docs

556
docs citations

556
times ranked

16317
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonics beyond the diffraction limit. <i>Nature Photonics</i> , 2010, 4, 83-91.	15.6	3,408
2	Channel plasmon subwavelength waveguide components including interferometers and ring resonators. <i>Nature</i> , 2006, 440, 508-511.	13.7	2,058
3	Demonstration of Magnetic Dipole Resonances of Dielectric Nanospheres in the Visible Region. <i>Nano Letters</i> , 2012, 12, 3749-3755.	4.5	857
4	Plasmonic colour generation. <i>Nature Reviews Materials</i> , 2017, 2, .	23.3	620
5	Broadband Focusing Flat Mirrors Based on Plasmonic Gradient Metasurfaces. <i>Nano Letters</i> , 2013, 13, 829-834.	4.5	611
6	Surface plasmon polariton based modulators and switches operating at telecom wavelengths. <i>Applied Physics Letters</i> , 2004, 85, 5833-5835.	1.5	597
7	Surface-plasmon circuitry. <i>Physics Today</i> , 2008, 61, 44-50.	0.3	594
8	Channel Plasmon-Polariton Guiding by Subwavelength Metal Grooves. <i>Physical Review Letters</i> , 2005, 95, 046802.	2.9	589
9	Efficient unidirectional nanoslit couplers for surface plasmons. <i>Nature Physics</i> , 2007, 3, 324-328.	6.5	461
10	Waveguiding in Surface Plasmon Polariton Band Gap Structures. <i>Physical Review Letters</i> , 2001, 86, 3008-3011.	2.9	455
11	A generalized non-local optical response theory for plasmonic nanostructures. <i>Nature Communications</i> , 2014, 5, 3809.	5.8	421
12	Integrated optical components utilizing long-range surface plasmon polaritons. <i>Journal of Lightwave Technology</i> , 2005, 23, 413-422.	2.7	394
13	Theoretical analysis of dielectric-loaded surface plasmon-polariton waveguides. <i>Physical Review B</i> , 2007, 75, .	1.1	383
14	Gradient metasurfaces: a review of fundamentals and applications. <i>Reports on Progress in Physics</i> , 2018, 81, 026401.	8.1	374
15	Nanofocusing of electromagnetic radiation. <i>Nature Photonics</i> , 2014, 8, 13-22.	15.6	321
16	Gap plasmon-based metasurfaces for total control of reflected light. <i>Scientific Reports</i> , 2013, 3, 2155.	1.6	309
17	Guiding and Focusing of Electromagnetic Fields with Wedge Plasmon Polaritons. <i>Physical Review Letters</i> , 2008, 100, 023901.	2.9	305
18	Plasmon-induced transparency with detuned ultracompact Fabry-Perot resonators in integrated plasmonic devices. <i>Optics Express</i> , 2011, 19, 3251.	1.7	300

#	ARTICLE	IF	CITATIONS
19	Subwavelength Plasmonic Color Printing Protected for Ambient Use. <i>Nano Letters</i> , 2014, 14, 783-787.	4.5	297
20	Nonlocal optical response in metallic nanostructures. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 183204.	0.7	295
21	Polymer-based surface-plasmon-polariton stripe waveguides at telecommunication wavelengths. <i>Applied Physics Letters</i> , 2003, 82, 668-670.	1.5	278
22	Plasmonic black gold by adiabatic nanofocusing and absorption of light in ultra-sharp convex grooves. <i>Nature Communications</i> , 2012, 3, 969.	5.8	274
23	Plasmonic metasurfaces for efficient phase control in reflection. <i>Optics Express</i> , 2013, 21, 27438.	1.7	274
24	Plasmonic metagratings for simultaneous determination of Stokes parameters. <i>Optica</i> , 2015, 2, 716.	4.8	254
25	A review of gap-surface plasmon metasurfaces: fundamentals and applications. <i>Nanophotonics</i> , 2018, 7, 1129-1156.	2.9	250
26	Broadband near-infrared metamaterial absorbers utilizing highly lossy metals. <i>Scientific Reports</i> , 2016, 6, 39445.	1.6	247
27	Radiation guiding with surface plasmon polaritons. <i>Reports on Progress in Physics</i> , 2013, 76, 016402.	8.1	244
28	Roadmap on plasmonics. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 043001.	1.0	240
29	Hybrid graphene plasmonic waveguide modulators. <i>Nature Communications</i> , 2015, 6, 8846.	5.8	232
30	General properties of slow-plasmon resonant nanostructures: nano-antennas and resonators. <i>Optics Express</i> , 2007, 15, 10869.	1.7	227
31	Graphene-protected copper and silver plasmonics. <i>Scientific Reports</i> , 2014, 4, 5517.	1.6	217
32	Analog Computing Using Reflective Plasmonic Metasurfaces. <i>Nano Letters</i> , 2015, 15, 791-797.	4.5	213
33	Efficient absorption of visible radiation by gap plasmon resonators. <i>Optics Express</i> , 2012, 20, 13311.	1.7	208
34	Vanadium Dioxide Integrated Metasurfaces with Switchable Functionalities at Terahertz Frequencies. <i>Advanced Optical Materials</i> , 2018, 6, 1701204.	3.6	202
35	Efficient unidirectional polarization-controlled excitation of surface plasmon polaritons. <i>Light: Science and Applications</i> , 2014, 3, e197-e197.	7.7	192
36	Channel plasmon-polaritons: modal shape, dispersion, and losses. <i>Optics Letters</i> , 2006, 31, 3447.	1.7	190

#	ARTICLE	IF	CITATIONS
37	Triangular metal wedges for subwavelength plasmon-polariton guiding at telecom wavelengths. <i>Optics Express</i> , 2008, 16, 5252.	1.7	182
38	Thermo-optic control of dielectric-loaded plasmonic waveguide components. <i>Optics Express</i> , 2010, 18, 1207.	1.7	169
39	Wavelength Selective Nanophotonic Components Utilizing Channel Plasmon Polaritons. <i>Nano Letters</i> , 2007, 7, 880-884.	4.5	168
40	Effective-index modeling of channel plasmon polaritons. <i>Optics Express</i> , 2006, 14, 9467.	1.7	167
41	Active control of anapole states by structuring the phase-change alloy Ge ₂ Sb ₂ Te ₅ . <i>Nature Communications</i> , 2019, 10, 396.	5.8	162
42	Broadband plasmonic half-wave plates in reflection. <i>Optics Letters</i> , 2013, 38, 513.	1.7	156
43	Configurational resonances in optical near-field microscopy: a rigorous point-dipole approach. <i>Surface Science</i> , 1993, 280, 217-230.	0.8	154
44	Anapole-Assisted Strong Field Enhancement in Individual All-Dielectric Nanostructures. <i>ACS Photonics</i> , 2018, 5, 1960-1966.	3.2	150
45	Coupling of individual quantum emitters to channel plasmons. <i>Nature Communications</i> , 2015, 6, 7883.	5.8	140
46	Bifunctional gap-plasmon metasurfaces for visible light: polarization-controlled unidirectional surface plasmon excitation and beam steering at normal incidence. <i>Light: Science and Applications</i> , 2018, 7, 17178-17178.	7.7	140
47	Dynamic Metasurfaces Using Phase-Change Chalcogenides. <i>Advanced Optical Materials</i> , 2019, 7, 1801709.	3.6	139
48	Nanofocusing with Channel Plasmon Polaritons. <i>Nano Letters</i> , 2009, 9, 1278-1282.	4.5	136
49	Two-Dimensional Micro-Optics of Surface Plasmons. <i>Physical Review Letters</i> , 1997, 78, 2823-2826.	2.9	131
50	Scaling for gap plasmon based waveguides. <i>Optics Express</i> , 2008, 16, 2676.	1.7	129
51	Large-Area Ultrabroadband Absorber for Solar Thermophotovoltaics Based on 3D Titanium Nitride Nanopillars. <i>Advanced Optical Materials</i> , 2017, 5, 1700552.	3.6	126
52	Gap and channeled plasmons in tapered grooves: a review. <i>Nanoscale</i> , 2015, 7, 9355-9386.	2.8	125
53	Plasmonic metamaterial wave retarders in reflection by orthogonally oriented detuned electrical dipoles. <i>Optics Letters</i> , 2011, 36, 1626.	1.7	124
54	Efficient and broadband quarter-wave plates by gap-plasmon resonators. <i>Optics Express</i> , 2013, 21, 2942.	1.7	123

#	ARTICLE	IF	CITATIONS
55	Direct Observation of Localized Second-Harmonic Enhancement in Random Metal Nanostructures. <i>Physical Review Letters</i> , 2003, 90, 197403.	2.9	116
56	Long-range surface plasmon polariton nanowire waveguides for device applications. <i>Optics Express</i> , 2006, 14, 314.	1.7	116
57	Nonradiating anapole states in nanophotonics: from fundamentals to applications. <i>Nanotechnology</i> , 2019, 30, 204001.	1.3	108
58	Long-range dielectric-loaded surface plasmon-polariton waveguides. <i>Optics Express</i> , 2010, 18, 23009.	1.7	104
59	Bend- and splitting loss of dielectric-loaded surface plasmon-polariton waveguides. <i>Optics Express</i> , 2008, 16, 13585.	1.7	103
60	Efficient unidirectional ridge excitation of surface plasmons. <i>Optics Express</i> , 2009, 17, 7228.	1.7	103
61	Continuous layer gap plasmon resonators. <i>Optics Express</i> , 2011, 19, 19310.	1.7	102
62	Multilayer tungsten-alumina-based broadband light absorbers for high-temperature applications. <i>Optical Materials Express</i> , 2016, 6, 2704.	1.6	101
63	Laser-fabricated dielectric optical components for surface plasmon polaritons. <i>Optics Letters</i> , 2006, 31, 1307.	1.7	100
64	Compact Bragg gratings for long-range surface plasmon polaritons. <i>Journal of Lightwave Technology</i> , 2006, 24, 912-918.	2.7	100
65	Slow-plasmon resonant nanostructures: Scattering and field enhancements. <i>Physical Review B</i> , 2007, 75, .	1.1	100
66	Near-field microscopy of surface-plasmon polaritons: Localization and internal interface imaging. <i>Physical Review B</i> , 1995, 51, 17916-17924.	1.1	97
67	Versatile Polarization Generation and Manipulation Using Dielectric Metasurfaces. <i>Laser and Photonics Reviews</i> , 2020, 14, 2000116.	4.4	97
68	Efficient electro-optic modulation in low-loss graphene-plasmonic slot waveguides. <i>Nanoscale</i> , 2017, 9, 15576-15581.	2.8	94
69	In-line extinction modulator based on long-range surface plasmon polaritons. <i>Optics Communications</i> , 2005, 244, 455-459.	1.0	92
70	Dielectric-loaded plasmonic waveguide-ring resonators. <i>Optics Express</i> , 2009, 17, 2968.	1.7	92
71	Gap plasmon-polariton nanoresonators: Scattering enhancement and launching of surface plasmon polaritons. <i>Physical Review B</i> , 2009, 79, .	1.1	91
72	Beam-Size-Invariant Spectropolarimeters Using Gap-Plasmon Metasurfaces. <i>ACS Photonics</i> , 2017, 4, 943-949.	3.2	90

#	ARTICLE	IF	CITATIONS
73	Nanofabrication of Plasmonic Circuits Containing Single Photon Sources. ACS Photonics, 2017, 4, 1879-1884.	3.2	90
74	On-chip excitation of single germanium vacancies in nanodiamonds embedded in plasmonic waveguides. Light: Science and Applications, 2018, 7, 61.	7.7	90
75	Localization and Waveguiding of Surface Plasmon Polaritons in Random Nanostructures. Physical Review Letters, 2002, 89, 186801.	2.9	89
76	Extraordinary Optical Transmission Enhanced by Nanofocusing. Nano Letters, 2010, 10, 3123-3128.	4.5	89
77	Efficiency of local surface plasmon polariton excitation on ridges. Physical Review B, 2008, 78, .	1.1	88
78	Acoustic transparency and slow sound using detuned acoustic resonators. Physical Review B, 2011, 84, .	1.1	88
79	Multifunctional Metamirror: Polarization Splitting and Focusing. ACS Photonics, 2018, 5, 1648-1653.	3.2	88
80	Elastic scattering of surface plasmon polaritons: Modeling and experiment. Physical Review B, 1998, 58, 10899-10910.	1.1	87
81	Wavelength selection by dielectric-loaded plasmonic components. Applied Physics Letters, 2009, 94, .	1.5	87
82	Probing cytochrome c in living mitochondria with surface-enhanced Raman spectroscopy. Scientific Reports, 2015, 5, 13793.	1.6	87
83	Detuned Electrical Dipoles for Plasmonic Sensing. Nano Letters, 2010, 10, 4571-4577.	4.5	86
84	Fundamental limitations in spontaneous emission rate of single-photon sources. Optica, 2016, 3, 1418.	4.8	85
85	Unidirectional scattering by nanoparticles near substrates: generalized Kerker conditions. Optics Express, 2015, 23, 28808.	1.7	80
86	Plasmonic Waveguide-Integrated Nanowire Laser. Nano Letters, 2017, 17, 747-754.	4.5	80
87	Direct observation of localized dipolar excitations on rough nanostructured surfaces. Physical Review B, 1998, 58, 11441-11448.	1.1	79
88	Resonant Plasmon Nanofocusing by Closed Tapered Gaps. Nano Letters, 2010, 10, 291-295.	4.5	79
89	Direct Amplitude-Phase Near-Field Observation of Higher-Order Anapole States. Nano Letters, 2017, 17, 7152-7159.	4.5	79
90	Surface plasmon polariton scattering by a small particle placed near a metal surface: An analytical study. Physical Review B, 2004, 69, .	1.1	78

#	ARTICLE	IF	CITATIONS
91	Second-harmonic imaging of ferroelectric domain walls. Applied Physics Letters, 1998, 73, 1814-1816.	1.5	77
92	Focusing and directing of surface plasmon polaritons by curved chains of nanoparticles. Optics Express, 2007, 15, 16667.	1.7	77
93	Theoretical analysis of square surface plasmon-polariton waveguides for long-range polarization-independent waveguiding. Physical Review B, 2007, 76, .	1.1	77
94	The case for quantum plasmonics. Nature Photonics, 2017, 11, 398-400.	15.6	77
95	Wavelength-selective directional coupling with dielectric-loaded plasmonic waveguides. Optics Letters, 2009, 34, 310.	1.7	76
96	Active plasmonics in WDM traffic switching applications. Scientific Reports, 2012, 2, 652.	1.6	76
97	Metasurface-Enabled Generation of Circularly Polarized Single Photons. Advanced Materials, 2020, 32, e1907832.	11.1	76
98	Theoretical Analysis of Long-Range Dielectric-Loaded Surface Plasmon Polariton Waveguides. Journal of Lightwave Technology, 2011, 29, 1473-1481.	2.7	75
99	Direct observation of surface polariton localization caused by surface roughness. Optics Communications, 1995, 117, 417-423.	1.0	73
100	Near-field imaging of light propagation in photonic crystal waveguides: Explicit role of Bloch harmonics. Physical Review B, 2002, 66, .	1.1	73
101	Surface plasmon polariton beam focusing with parabolic nanoparticle chains. Optics Express, 2007, 15, 6576.	1.7	73
102	Plasmonics for emerging quantum technologies. Nanophotonics, 2017, 6, 1185-1188.	2.9	73
103	Extremely confined gap surface-plasmon modes excited by electrons. Nature Communications, 2014, 5, 4125.	5.8	72
104	Bend loss in surface plasmon polariton band-gap structures. Applied Physics Letters, 2001, 79, 1076-1078.	1.5	71
105	Dielectric-loaded surface plasmon-polariton waveguides at telecommunication wavelengths: Excitation and characterization. Applied Physics Letters, 2008, 92, .	1.5	71
106	Nonlocal response in thin-film waveguides: Loss versus nonlocality and breaking of complementarity. Physical Review B, 2013, 88, .	1.1	71
107	Performance of thermo-optic components based on dielectric-loaded surface plasmon polariton waveguides. Scientific Reports, 2013, 3, .	1.6	69
108	Long-range dielectric-loaded surface plasmon polariton waveguides operating at telecommunication wavelengths. Optics Letters, 2011, 36, 4278.	1.7	68

#	ARTICLE	IF	CITATIONS
109	Dynamic piezoelectric MEMS-based optical metasurfaces. <i>Science Advances</i> , 2021, 7, .	4.7	68
110	Spectroscopy and nonlinear microscopy of Au nanoparticle arrays: Experiment and theory. <i>Physical Review B</i> , 2006, 73, .	1.1	67
111	Strip and gap plasmon polariton optical resonators. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 9-19.	0.7	66
112	Optical spectroscopy of single Si nanocylinders with magnetic and electric resonances. <i>Scientific Reports</i> , 2014, 4, 4126.	1.6	66
113	Plasmon-Enhanced Generation of Nonclassical Light. <i>ACS Photonics</i> , 2018, 5, 3447-3451.	3.2	66
114	Optically Active Organic Microrings. <i>Nano Letters</i> , 2003, 3, 1311-1314.	4.5	65
115	Boosting Local Field Enhancement by on-Chip Nanofocusing and Impedance-Matched Plasmonic Antennas. <i>Nano Letters</i> , 2015, 15, 8148-8154.	4.5	65
116	Nonlocal response in plasmonic waveguiding with extreme light confinement. <i>Nanophotonics</i> , 2013, 2, 161-166.	2.9	63
117	Plasmon-polariton nano-strip resonators: from visible to infra-red. <i>Optics Express</i> , 2008, 16, 6867.	1.7	62
118	Vectorial model for multiple scattering by surface nanoparticles via surface polariton-to-polariton interactions. <i>Physical Review B</i> , 2003, 67, .	1.1	60
119	Slow-plasmon resonant-nanostrip antennas: Analysis and demonstration. <i>Physical Review B</i> , 2008, 77, .	1.1	60
120	Directional Couplers Using Long-Range Surface Plasmon Polariton Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006, 12, 1233-1241.	1.9	59
121	Ultrabright Linearly Polarized Photon Generation from a Nitrogen Vacancy Center in a Nanocube Dimer Antenna. <i>Nano Letters</i> , 2017, 17, 3889-3895.	4.5	59
122	Hybrid Plasmonic Bullseye Antennas for Efficient Photon Collection. <i>ACS Photonics</i> , 2018, 5, 692-698.	3.2	59
123	Localization phenomena in elastic surface-polariton scattering caused by surface roughness. <i>Physical Review B</i> , 1996, 54, 8177-8185.	1.1	58
124	Point-dipole approximation for surface plasmon polariton scattering: Implications and limitations. <i>Physical Review B</i> , 2005, 71, .	1.1	58
125	Optical transparency by detuned electrical dipoles. <i>New Journal of Physics</i> , 2011, 13, 023034.	1.2	58
126	Dielectric-loaded plasmonic waveguide components: Going practical. <i>Laser and Photonics Reviews</i> , 2013, 7, 938-951.	4.4	58

#	ARTICLE	IF	CITATIONS
127	Ultrafast quantum photonics enabled by coupling plasmonic nanocavities to strongly radiative antennas. <i>Optica</i> , 2020, 7, 463.	4.8	58
128	Resonant unidirectional and elastic scattering of surface plasmon polaritons by high refractive index dielectric nanoparticles. <i>Physical Review B</i> , 2015, 92, .	1.1	57
129	On-Chip Detection of Optical Spin-Orbit Interactions in Plasmonic Nanocircuits. <i>Nano Letters</i> , 2019, 19, 1166-1171.	4.5	57
130	Compact Z-add-drop wavelength filters for long-range surface plasmon polaritons. <i>Optics Express</i> , 2005, 13, 4237.	1.7	55
131	Gap-plasmon based broadband absorbers for enhanced hot-electron and photocurrent generation. <i>Scientific Reports</i> , 2016, 6, 30650.	1.6	55
132	Gap-Surface Plasmon Metasurfaces for Broadband Circular-to-Linear Polarization Conversion and Vector Vortex Beam Generation. <i>Advanced Optical Materials</i> , 2019, 7, 1801414.	3.6	55
133	Focused vortex-beam generation using gap-surface plasmon metasurfaces. <i>Nanophotonics</i> , 2020, 9, 371-378.	2.9	55
134	Gap-surface plasmon metasurfaces for linear-polarization conversion, focusing, and beam splitting. <i>Photonics Research</i> , 2020, 8, 707.	3.4	55
135	Metal nano-strip optical resonators. <i>Optics Express</i> , 2007, 15, 4198.	1.7	54
136	Theoretical analysis of gold nano-strip gap plasmon resonators. <i>New Journal of Physics</i> , 2008, 10, 105008.	1.2	54
137	Gap-plasmon nanoantennas and bowtie resonators. <i>Physical Review B</i> , 2012, 85, .	1.1	54
138	Plasmonic monolithic lithium niobate directional coupler switches. <i>Nature Communications</i> , 2020, 11, 748.	5.8	54
139	Oxidation of hydrogen-passivated silicon surfaces by scanning near-field optical lithography using uncoated and aluminum-coated fiber probes. <i>Journal of Applied Physics</i> , 1997, 82, 49-53.	1.1	52
140	Efficient excitation of dielectric-loaded surface plasmon-polariton waveguide modes at telecommunication wavelengths. <i>Physical Review B</i> , 2008, 78, .	1.1	52
141	Fiber-coupled dielectric-loaded plasmonic waveguides. <i>Optics Express</i> , 2010, 18, 5314.	1.7	52
142	A 320 Gb/s-Throughput Capable 2 \times 2 Silicon-Plasmonic Router Architecture for Optical Interconnects. <i>Journal of Lightwave Technology</i> , 2011, 29, 3185-3195.	2.7	52
143	Photonic bandgap structures for long-range surface plasmon polaritons. <i>Optics Communications</i> , 2005, 250, 328-333.	1.0	51
144	Stimulated emission of surface plasmon polaritons by lead-sulphide quantum dots at near infra-red wavelengths. <i>Optics Express</i> , 2010, 18, 18633.	1.7	51

#	ARTICLE	IF	CITATIONS
145	On the applicability of quantum-optical concepts in strong-coupling nanophotonics. Reports on Progress in Physics, 2020, 83, 082401.	8.1	51
146	External-reflection near-field optical microscope with cross-polarized detection. Applied Optics, 1994, 33, 876.	2.1	49
147	Surface enhanced Raman imaging: periodic arrays and individual metal nanoparticles. Optics Express, 2009, 17, 12698.	1.7	49
148	Laser Writing of Bright Colors on Near-Percolation Plasmonic Reflector Arrays. ACS Nano, 2019, 13, 71-77.	7.3	49
149	Compact gradual bends for channel plasmon polaritons. Optics Express, 2006, 14, 4494.	1.7	48
150	Surface plasmon polariton scattering by finite-size nanoparticles. Physical Review B, 2007, 76, .	1.1	48
151	Spectroscopy and nonlinear microscopy of gold nanoparticle arrays on gold films. Physical Review B, 2007, 75, .	1.1	48
152	Surface-enhanced Raman spectroscopy: nonlocal limitations. Optics Letters, 2012, 37, 2538.	1.7	48
153	Phase conjugation of an optical near field. Optics Letters, 1994, 19, 1601.	1.7	47
154	Interfacing Dielectric-Loaded Plasmonic and Silicon Photonic Waveguides: Theoretical Analysis and Experimental Demonstration. IEEE Journal of Quantum Electronics, 2012, 48, 678-687.	1.0	47
155	Topographical artifacts and optical resolution in near-field optical microscopy. Journal of the Optical Society of America B: Optical Physics, 1997, 14, 2254.	0.9	46
156	Computational Lens for the Near Field. Physical Review Letters, 2004, 92, 163903.	2.9	46
157	Direct Characterization of Plasmonic Slot Waveguides and Nanocouplers. Nano Letters, 2014, 14, 3925-3929.	4.5	46
158	Recent Advances in Polarization-Encoded Optical Metasurfaces. Advanced Photonics Research, 2021, 2, 2000173.	1.7	46
159	Room-temperature on-chip orbital angular momentum single-photon sources. Science Advances, 2022, 8, eabk3075.	4.7	46
160	Surface-plasmon polariton resonances in triangular-groove metal gratings. Physical Review B, 2009, 80, .	1.1	45
161	Nonlocal study of ultimate plasmon hybridization. Optics Letters, 2015, 40, 839.	1.7	45
162	Far- and near-field second-harmonic imaging of ferroelectric domain walls. Optics Communications, 1998, 152, 221-224.	1.0	44

#	ARTICLE	IF	CITATIONS
163	Theoretical analysis of ridge gratings for long-range surface plasmon polaritons. <i>Physical Review B</i> , 2006, 73, .	1.1	43
164	Plasmonic metasurfaces for waveguiding and field enhancement. <i>Laser and Photonics Reviews</i> , 2009, 3, 575-590.	4.4	43
165	Loss compensation in long-range dielectric-loaded surface plasmon-polariton waveguides. <i>Optics Express</i> , 2011, 19, 25298.	1.7	43
166	Generation of diffraction-free plasmonic beams with one-dimensional Bessel profiles. <i>Optics Letters</i> , 2013, 38, 905.	1.7	43
167	Random-phase metasurfaces at optical wavelengths. <i>Scientific Reports</i> , 2016, 6, 28448.	1.6	43
168	Near-Field Optical Holography. <i>Physical Review Letters</i> , 1996, 77, 3351-3354.	2.9	42
169	Surface plasmon polariton scattering by small ellipsoid particles. <i>Surface Science</i> , 2005, 590, 173-180.	0.8	42
170	Splitting of a surface plasmon polariton beam by chains of nanoparticles. <i>Applied Physics B: Lasers and Optics</i> , 2006, 84, 29-34.	1.1	42
171	Adiabatic nanofocusing of channel plasmon polaritons. <i>Optics Letters</i> , 2010, 35, 541.	1.7	42
172	Transfer functions in collection scanning near-field optical microscopy. <i>Optics Communications</i> , 1999, 172, 171-179.	1.0	41
173	Surface plasmon polariton guiding by chains of nanoparticles. <i>Laser Physics Letters</i> , 2006, 3, 396-400.	0.6	41
174	Bend loss for channel plasmon polaritons. <i>Applied Physics Letters</i> , 2006, 89, 143108.	1.5	40
175	Efficient Excitation of Channel Plasmons in Tailored, UV-Lithography-Defined V-Grooves. <i>Nano Letters</i> , 2014, 14, 1659-1664.	4.5	40
176	Highly Stable Monocrystalline Silver Clusters for Plasmonic Applications. <i>Langmuir</i> , 2017, 33, 6062-6070.	1.6	40
177	Spoof surface plasmon-based stripe antennas with extreme field enhancement in the terahertz regime. <i>Optics Letters</i> , 2015, 40, 2533.	1.7	39
178	Recent progress in metasurface-enabled optical waveplates. <i>Nanophotonics</i> , 2022, 11, 2219-2244.	2.9	39
179	Backward and forward modes guided by metal-dielectric-metal plasmonic waveguides. <i>Journal of Nanophotonics</i> , 2010, 4, 043509.	0.4	38
180	Efficient thermo-optically controlled Mach-Zhender interferometers using dielectric-loaded plasmonic waveguides. <i>Optics Express</i> , 2012, 20, 16300.	1.7	38

#	ARTICLE	IF	CITATIONS
181	Gold Photoluminescence Wavelength and Polarization Engineering. ACS Photonics, 2015, 2, 432-438.	3.2	38
182	Waveguide Metacouplers for In-Plane Polarimetry. Physical Review Applied, 2016, 5, .	1.5	38
183	Metasurface-Based Polarimeters. Applied Sciences (Switzerland), 2018, 8, 594.	1.3	38
184	Metasurface-enabled broadband beam splitters integrated with quarter-wave plate functionality. Nanoscale, 2020, 12, 14106-14111.	2.8	38
185	Functional Metasurface Quarter-Wave Plates for Simultaneous Polarization Conversion and Beam Steering. ACS Nano, 2021, 15, 18532-18540.	7.3	37
186	Control of the tip-surface distance in near-field optical microscopy. Applied Optics, 1993, 32, 4864.	2.1	36
187	Refracting surface plasmon polaritons with nanoparticle arrays. Optics Express, 2008, 16, 3924.	1.7	36
188	Design and Characterization of Dielectric-Loaded Plasmonic Directional Couplers. Journal of Lightwave Technology, 2009, 27, 5521-5528.	2.7	36
189	Field enhancement and extraordinary optical transmission by tapered periodic slits in gold films. New Journal of Physics, 2011, 13, 063029.	1.2	36
190	Correlation between optical and topographical images from an external reflection near-field microscope with shear force feedback. Applied Optics, 1995, 34, 3793.	2.1	35
191	Partial loss compensation in dielectric-loaded plasmonic waveguides at near infra-red wavelengths. Optics Express, 2012, 20, 7771.	1.7	35
192	Channel plasmon polariton propagation in nanoimprinted V-groove waveguides. Optics Letters, 2008, 33, 2800.	1.7	34
193	Chip-integrated plasmonic cavity-enhanced single nitrogen-vacancy center emission. Nanoscale, 2017, 9, 17902-17908.	2.8	34
194	Unprecedented Thermal Stability of Plasmonic Titanium Nitride Films up to 1400 Å°C. Advanced Optical Materials, 2021, 9, 2100323.	3.6	34
195	Near-field optical microscopy of nonlinear susceptibilities. Optics Communications, 1998, 150, 49-55.	1.0	33
196	Self-consistent model for second-harmonic near-field microscopy. Physical Review B, 2000, 61, 11139-11150.	1.1	33
197	Multiple-scattering dipole approach to modeling of surface plasmon polariton band gap structures. Optics Communications, 2001, 198, 241-245.	1.0	33
198	Optical Gap-Surface Plasmon Metasurfaces for Spin-Controlled Surface Plasmon Excitation and Anomalous Beam Steering. ACS Photonics, 2020, 7, 1849-1856.	3.2	33

#	ARTICLE	IF	CITATIONS
199	Full-range birefringence control with piezoelectric MEMS-based metasurfaces. <i>Nature Communications</i> , 2022, 13, 2071.	5.8	33
200	Near-field optics with uncoated fiber tips: light confinement and spatial resolution. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997, 14, 1656.	0.9	32
201	Integrated power monitor for long-range surface plasmon polaritons. <i>Optics Communications</i> , 2005, 255, 51-56.	1.0	32
202	Thermo-optic microring resonator switching elements made of dielectric-loaded plasmonic waveguides. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	32
203	0.48 Tb/s (12x40 Gb/s) WDM transmission and high-quality thermo-optic switching in dielectric loaded plasmonics. <i>Optics Express</i> , 2012, 20, 7655.	1.7	32
204	Quantum Emitters near Layered Plasmonic Nanostructures: Decay Rate Contributions. <i>ACS Photonics</i> , 2015, 2, 228-236.	3.2	32
205	Hot Spot Engineering in 3D Multi-Branched Nanostructures: Ultrasensitive Substrates for Surface-Enhanced Raman Spectroscopy. <i>Advanced Optical Materials</i> , 2017, 5, 1600836.	3.6	32
206	A Review of Unidirectional Surface Plasmon Polariton Metacouplers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019, 25, 1-11.	1.9	32
207	From plasmonic nanoantennas to split-ring resonators: tuning scattering strength. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 1680.	0.9	31
208	Demonstration of slow sound propagation and acoustic transparency with a series of detuned resonators. <i>Physical Review B</i> , 2014, 89, .	1.1	31
209	Direct Characterization of Near-Field Coupling in Gap Plasmon-Based Metasurfaces. <i>Nano Letters</i> , 2018, 18, 6265-6270.	4.5	31
210	Multifunctional Metamirrors for Broadband Focused Vector Beam Generation. <i>Advanced Optical Materials</i> , 2019, 7, 1900724.	3.6	31
211	Extremely Confined Gap-Plasmon Waveguide Modes Excited by Nitrogen-Vacancy Centers in Diamonds. <i>ACS Photonics</i> , 2019, 6, 23-29.	3.2	31
212	Optical diamagnetic polarizability of a mesoscopic metallic sphere: transverse self-field approach. <i>Optics Communications</i> , 1993, 102, 238-244.	1.0	30
213	Influence of the filling factor on the spectral properties of plasmonic crystals. <i>Physical Review B</i> , 2006, 74, .	1.1	30
214	Channelling surface plasmons. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 89, 225-231.	1.1	30
215	Modulation of surface plasmon coupling-in by one-dimensional surface corrugation. <i>New Journal of Physics</i> , 2008, 10, 033035.	1.2	30
216	Experimental demonstration of dielectric-loaded plasmonic waveguide disk resonators at telecom wavelengths. <i>Applied Physics Letters</i> , 2011, 98, 161102.	1.5	30

#	ARTICLE	IF	CITATIONS
217	Gap Surface Plasmon Waveguides with Enhanced Integration and Functionality. Nano Letters, 2012, 12, 359-363.	4.5	30
218	Plasmonic black metals by broadband light absorption in ultra-sharp convex grooves. New Journal of Physics, 2013, 15, 073007.	1.2	30
219	Channel plasmon polaritons guided by graded gaps: closed-form solutions. Optics Express, 2009, 17, 10327.	1.7	29
220	Power monitoring in dielectric-loaded surface plasmon-polariton waveguides. Optics Express, 2011, 19, 2972.	1.7	29
221	Identification of Abnormal Stem Cells Using Raman Spectroscopy. Stem Cells and Development, 2012, 21, 2152-2159.	1.1	29
222	Observation of propagation of surface plasmon polaritons along line defects in a periodically corrugated metal surface. Optics Letters, 2001, 26, 734.	1.7	28
223	Optical properties of spherical gold mesoparticles. Applied Physics B: Lasers and Optics, 2012, 106, 841-848.	1.1	28
224	Experimental demonstration of CMOS-compatible long-range dielectric-loaded surface plasmon-polariton waveguides (LR-DLSPWs). Optics Express, 2014, 22, 22009.	1.7	28
225	Near-field radiative heat transfer between metasurfaces: A full-wave study based on two-dimensional grooved metal plates. Physical Review B, 2016, 94, .	1.1	28
226	White Light Generation and Anisotropic Damage in Gold Films near Percolation Threshold. ACS Photonics, 2017, 4, 1207-1215.	3.2	28
227	Statistics of local field intensity enhancements at nanostructured surfaces investigated with a near-field optical microscope. Physical Review B, 2001, 64, .	1.1	27
228	Microscopy of localized second-harmonic enhancement in random metal nanostructures. Physical Review B, 2004, 69, .	1.1	27
229	Extraordinary optical transmission with tapered slits: effect of higher diffraction and slit resonance orders. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 130.	0.9	27
230	Macroscopic self-consistent model for external-reflection near-field microscopy. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1993, 10, 878.	0.8	26
231	Near-field imaging of surface plasmon-polariton guiding in band gap structures at telecom wavelengths. Optics Express, 2005, 13, 3303.	1.7	26
232	Analytic description of channel plasmon polaritons. Optics Letters, 2009, 34, 2039.	1.7	26
233	Surface-enhanced Raman imaging of fractal shaped periodic metal nanostructures. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 2370.	0.9	26
234	Surface enhanced Raman microscopy with metal nanoparticle arrays. Journal of Optics, 2009, 11, 075004.	1.5	26

#	ARTICLE	IF	CITATIONS
235	Thermo-optic control of dielectric-loaded plasmonic Mach-Zehnder interferometers and directional coupler switches. <i>Nanotechnology</i> , 2012, 23, 444008.	1.3	26
236	Ultra-thin titanium nitride films for refractory spectral selectivity [Invited]. <i>Optical Materials Express</i> , 2018, 8, 3717.	1.6	26
237	Suppression of near-field coupling in plasmonic antennas on epsilon-near-zero substrates. <i>Optica</i> , 2018, 5, 1557.	4.8	26
238	Poling of silica with silver-containing electrodes. <i>Electronics Letters</i> , 2000, 36, 1635.	0.5	25
239	Second-harmonic imaging of poled silica waveguides. <i>Applied Physics Letters</i> , 2000, 76, 25-27.	1.5	25
240	Direct mapping of light propagation in photonic crystal waveguides. <i>Optics Communications</i> , 2002, 212, 51-55.	1.0	25
241	Two-photon mapping of localized field enhancements in thin nanostrip antennas. <i>Optics Express</i> , 2008, 16, 17302.	1.7	25
242	Effective constitutive parameters of plasmonic metamaterials: Homogenization by dual field interpolation. <i>Physical Review E</i> , 2011, 84, 016609.	0.8	25
243	Data Transmission and Thermo-Optic Tuning Performance of Dielectric-Loaded Plasmonic Structures Hetero-Integrated on a Silicon Chip. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 374-376.	1.3	25
244	High resolution imaging of few-layer graphene. <i>Journal of Applied Physics</i> , 2012, 111, 064305.	1.1	25
245	Tuning affinity and reversibility for O_2 binding in dinuclear Co complexes. <i>Dalton Transactions</i> , 2013, 42, 9921-9929.	1.6	25
246	Hybrid plasmonic waveguides formed by metal coating of dielectric ridges. <i>Optics Express</i> , 2017, 25, 12295.	1.7	25
247	Fractal Shaped Periodic Metal Nanostructures Atop Dielectric-Metal Substrates for SERS Applications. <i>ACS Photonics</i> , 2020, 7, 1708-1715.	3.2	25
248	Extension of the macroscopic model for reflection near-field microscopy: regularization and image formation. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1994, 11, 609.	0.8	24
249	Self-consistent model for photon scanning tunneling microscopy: implications for image formation and light scattering near a phase-conjugating mirror. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1996, 13, 2381.	0.8	24
250	Fractal surface characterization: implications for plasmon polariton scattering. <i>Surface Science</i> , 1996, 356, 268-274.	0.8	24
251	Second-harmonic scanning optical microscopy of individual nanostructures. <i>Physical Review B</i> , 2002, 65, .	1.1	24
252	Compact and broadband directional coupling and demultiplexing in dielectric-loaded surface plasmon polariton waveguides based on the multimode interference effect. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	24

#	ARTICLE	IF	CITATIONS
253	Theoretical analysis of plasmonic black gold: periodic arrays of ultra-sharp grooves. <i>New Journal of Physics</i> , 2013, 15, 013034.	1.2	24
254	Near-infrared tailored thermal emission from wafer-scale continuous-film resonators. <i>Optics Express</i> , 2015, 23, A1111.	1.7	24
255	On-Chip Detection of Radiation Guided by Dielectric-Loaded Plasmonic Waveguides. <i>Nano Letters</i> , 2015, 15, 476-480.	4.5	24
256	Excitation of Hybrid Plasmonic Waveguide Modes by Colloidal Quantum Dots. <i>ACS Photonics</i> , 2019, 6, 1587-1593.	3.2	24
257	Scattered light enhancement near a phase conjugating mirror. <i>Optics Communications</i> , 1995, 115, 115-120.	1.0	23
258	Imaging with reflection near-field optical microscope: contributions of middle and far fields. <i>Optics Communications</i> , 1996, 130, 337-347.	1.0	23
259	Localized field enhancements in fractal shaped periodic metal nanostructures. <i>Optics Express</i> , 2007, 15, 15234.	1.7	23
260	Detuned-resonator induced transparency in dielectric-loaded plasmonic waveguides. <i>Optics Letters</i> , 2013, 38, 875.	1.7	23
261	Entanglement of two qubits mediated by a localized surface plasmon. <i>Physical Review B</i> , 2015, 92, .	1.1	23
262	Electron energy-loss spectroscopy of branched gap plasmon resonators. <i>Nature Communications</i> , 2016, 7, 13790.	5.8	23
263	Engineering Nanoparticles with Pure High-Order Multipole Scattering. <i>ACS Photonics</i> , 2020, 7, 1067-1075.	3.2	23
264	Near-field nonlinear optical spectroscopy of Langmuir-Blodgett films. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1998, 15, 2156.	0.8	22
265	Near-field mapping of surface polariton fields. <i>Journal of Microscopy</i> , 2001, 202, 313-319.	0.8	22
266	Theoretical analysis of finite-size surface plasmon polariton band-gap structures. <i>Physical Review B</i> , 2005, 71, .	1.1	22
267	Organic nanofiber-loaded surface plasmon-polariton waveguides. <i>Optics Express</i> , 2011, 19, 15155.	1.7	22
268	Plasmonic black-hole: broadband omnidirectional absorber of gap surface plasmons. <i>Optics Letters</i> , 2011, 36, 4311.	1.7	22
269	Relaxation dynamics of a quantum emitter resonantly coupled to a metal nanoparticle. <i>Optics Letters</i> , 2014, 39, 1617.	1.7	22
270	Extremely confined gap plasmon modes: when nonlocality matters. <i>Nature Communications</i> , 2022, 13, .	5.8	22

#	ARTICLE	IF	CITATIONS
271	Pockels modulation in integrated nanophotonics. <i>Applied Physics Reviews</i> , 2022, 9, .	5.5	22
272	Near-field imaging of organic nanofibres. <i>Journal of Microscopy</i> , 2004, 215, 241-244.	0.8	21
273	Two-photon mapping of local molecular orientations in hexaphenyl nanofibers. <i>Optics Communications</i> , 2004, 237, 423-429.	1.0	21
274	Two-photon luminescence microscopy of field enhancement at gold nanoparticles. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005, 2, 3983-3987.	0.8	21
275	Near-field characterization of low-loss photonic crystal waveguides. <i>Physical Review B</i> , 2005, 72, .	1.1	21
276	Directional coupling in channel plasmon-polariton waveguides. <i>Optics Express</i> , 2012, 20, 6124.	1.7	21
277	Spinâ€œOrbit Controlled Excitation of Quantum Emitters in Hybrid Plasmonic Nanocircuits. <i>Advanced Optical Materials</i> , 2020, 8, 2000854.	3.6	21
278	Dualâ€œFunctional Optical Waveplates Based on Gapâ€œSurface Plasmon Metasurfaces. <i>Advanced Optical Materials</i> , 2021, 9, 2002253.	3.6	21
279	Ultrabright single-photon emission from germanium-vacancy zero-phonon lines: deterministic emitter-waveguide interfacing at plasmonic hot spots. <i>Nanophotonics</i> , 2020, 9, 953-962.	2.9	21
280	Power monitoring in dielectric-loaded plasmonic waveguides with internal Wheatstone bridges. <i>Optics Express</i> , 2013, 21, 5300.	1.7	20
281	Spectrally selective emitters based on 3D Mo nanopillars for thermophotovoltaic energy harvesting. <i>Materials Today Physics</i> , 2021, 21, 100503.	2.9	20
282	Theoretical model for phase conjugation of optical near fields. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1995, 12, 2645.	0.8	19
283	Near-field imaging of pyramid-like nanoparticles at a surface. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001, 11, 323-331.	1.3	19
284	Direct Observation of Surface Mode Excitation and Slow Light Coupling in Photonic Crystal Waveguides. <i>Nano Letters</i> , 2007, 7, 2341-2345.	4.5	19
285	Dispersion of strongly confined channel plasmon polariton modes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1596.	0.9	19
286	Gap plasmon-based phase-amplitude metasurfaces: material constraints [Invited]. <i>Optical Materials Express</i> , 2015, 5, 2448.	1.6	19
287	Electrical Tuning of Fresnel Lens in Reflection. <i>ACS Photonics</i> , 2021, 8, 1576-1581.	3.2	19
288	Second harmonic generation due to surface plasmon localization. <i>Surface Science</i> , 1997, 377-379, 384-387.	0.8	18

#	ARTICLE	IF	CITATIONS
289	Experimental studies of surface plasmon polariton band gap effect. <i>Journal of Microscopy</i> , 2003, 210, 324-329.	0.8	18
290	Modeling of a surface plasmon polariton interferometer. <i>Optics Communications</i> , 2004, 240, 345-350.	1.0	18
291	Calculation of bending losses for highly confined modes of optical waveguides with transformation optics. <i>Optics Letters</i> , 2013, 38, 1778.	1.7	18
292	Ultrabroadband super-Planckian radiative heat transfer with artificial continuum cavity states in patterned hyperbolic metamaterials. <i>Physical Review B</i> , 2017, 95, .	1.1	18
293	Dual-Band Metasurfaces Using Multiple Gap-Surface Plasmon Resonances. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 1250-1256.	4.0	18
294	Interference in edge-scattering from monocrystalline gold flakes [Invited]. <i>Optical Materials Express</i> , 2018, 8, 3688.	1.6	18
295	Near-field characterization of photonic crystal waveguides. <i>Semiconductor Science and Technology</i> , 2006, 21, R1-R16.	1.0	17
296	Slow-light plasmonic metamaterial based on dressed-state analog of electromagnetically induced transparency. <i>Optics Letters</i> , 2015, 40, 4253.	1.7	17
297	Directional off-Normal Photon Streaming from Hybrid Plasmon-Emitter Coupled Metasurfaces. <i>ACS Photonics</i> , 2020, 7, 1111-1116.	3.2	17
298	Fluorescence enhancement of a single germanium vacancy center in a nanodiamond by a plasmonic Bragg cavity. <i>Journal of Chemical Physics</i> , 2021, 154, 044303.	1.2	17
299	Sub-wavelength imaging by depolarization in a reflection near-field optical microscope using an uncoated fiber probe. <i>Optics Communications</i> , 1998, 146, 277-284.	1.0	16
300	High-resolution second-harmonic microscopy of poled silica waveguides. <i>Optics Communications</i> , 2003, 221, 295-300.	1.0	16
301	Efficient suppression of radiation damping in resonant retardation-based plasmonic structures. <i>Physical Review B</i> , 2009, 79, .	1.1	16
302	Plasmonic black metals via radiation absorption by two-dimensional arrays of ultra-sharp convex grooves. <i>Scientific Reports</i> , 2014, 4, 6904.	1.6	16
303	Third-order gap plasmon based metasurfaces for visible light. <i>Optics Express</i> , 2017, 25, 12508.	1.7	16
304	Excitation of nanowire surface plasmons by silicon vacancy centers in nanodiamonds. <i>Optical Materials Express</i> , 2017, 7, 2586.	1.6	16
305	Flexible long-range surface plasmon polariton single-mode waveguide for optical interconnects. <i>Optical Materials Express</i> , 2018, 8, 469.	1.6	16
306	<title>Imaging of surface plasmons with a near-field microscope</title>., 1997, , .		15

#	ARTICLE	IF	CITATIONS
307	Second-harmonic imaging of semiconductor quantum dots. <i>Applied Physics Letters</i> , 2000, 77, 806-808.	1.5	15
308	Near- and far-field second-harmonic imaging of quasi-phase-matching crystals. <i>Journal of Microscopy</i> , 2001, 202, 244-249.	0.8	15
309	Transfer function and near-field detection of evanescent waves. <i>Applied Optics</i> , 2006, 45, 4054.	2.1	15
310	Comparison of finite-difference time-domain simulations and experiments on the optical properties of gold nanoparticle arrays on gold film. <i>Journal of Optics</i> , 2007, 9, S366-S371.	1.5	15
311	Plasmonic candle: towards efficient nanofocusing with channel plasmon polaritons. <i>New Journal of Physics</i> , 2009, 11, 113043.	1.2	15
312	Efficient channel-plasmon excitation by nano-mirrors. <i>Applied Physics Letters</i> , 2011, 99, 213109.	1.5	15
313	Near-field characterization of bound plasmonic modes in metal strip waveguides. <i>Optics Express</i> , 2016, 24, 4582.	1.7	15
314	High-Speed Plasmonic Electro-Optic Beam Deflectors. <i>Nano Letters</i> , 2021, 21, 4051-4056.	4.5	15
315	Generation of Radially Polarized Single Photons with Plasmonic Bullseye Antennas. <i>ACS Photonics</i> , 2021, 8, 2190-2196.	3.2	15
316	Optical paramagnetic polarizability of mesoscopic particles: a study of local field corrections. <i>Optics Communications</i> , 1995, 114, 491-500.	1.0	14
317	Characterization of near-field optical probes. <i>Applied Optics</i> , 1999, 38, 1792.	2.1	14
318	Propagation of long-range surface plasmon polaritons in photonic crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005, 22, 2027.	0.9	14
319	Modeling of nonlinear microscopy of localized field enhancements in random metal nanostructures. <i>Physical Review B</i> , 2006, 73, .	1.1	14
320	Surface plasmon polariton excitation and manipulation by nanoparticle arrays. <i>Optics Communications</i> , 2009, 282, 3032-3036.	1.0	14
321	Localized field enhancements in two-dimensional V-groove metal arrays. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 372.	0.9	14
322	Mode transformation in waveguiding plasmonic structures. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2011, 9, 207-212.	1.0	14
323	Active Plasmonics in True Data Traffic Applications: Thermo-Optic On/Off Gating Using a Silicon-Plasmonic Asymmetric Mach-Zehnder Interferometer. <i>IEEE Photonics Technology Letters</i> , 2012, 24, 1036-1038.	1.3	14
324	Grating Couplers for Fiber-to-Fiber Characterizations of Stand-Alone Dielectric Loaded Surface Plasmon Waveguide Components. <i>Journal of Lightwave Technology</i> , 2012, 30, 3118-3125.	2.7	14

#	ARTICLE	IF	CITATIONS
325	Enhancement of two-photon photoluminescence and SERS for low-coverage gold films. <i>Optics Express</i> , 2016, 24, 16743.	1.7	14
326	Detection of internal fields in double-metal terahertz resonators. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	14
327	Coupling of surface-plasmon polaritons to directional far-field radiation by an individual surface protrusion. <i>Applied Optics</i> , 2001, 40, 6081.	2.1	13
328	Nonlinear microscopy of localized field enhancements in fractal shaped periodic metal nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 1585.	0.9	13
329	High- Q plasmonic resonators based on metal split nanocylinders. <i>Physical Review B</i> , 2009, 80, .	1.1	13
330	Compact on-Chip Temperature Sensors Based on Dielectric-Loaded Plasmonic Waveguide-Ring Resonators. <i>Sensors</i> , 2011, 11, 1992-2000.	2.1	13
331	Experimental characterization of dielectric-loaded plasmonic waveguide-racetrack resonators at near-infrared wavelengths. <i>Applied Physics B: Lasers and Optics</i> , 2012, 107, 401-407.	1.1	13
332	Coupling of nitrogen-vacancy centers in a nanodiamond to a silver nanocube. <i>Optical Materials Express</i> , 2016, 6, 3394.	1.6	13
333	Maximum modulation of plasmon-guided modes by graphene gating. <i>Optics Express</i> , 2016, 24, 8266.	1.7	13
334	Universal description of channel plasmons in two-dimensional materials. <i>Optica</i> , 2017, 4, 595.	4.8	13
335	On-Chip Spectropolarimetry by Fingerprinting with Random Surface Arrays of Nanoparticles. <i>ACS Photonics</i> , 2018, 5, 1703-1710.	3.2	13
336	Core-shell particles as efficient broadband absorbers in infrared optical range. <i>Optics Express</i> , 2019, 27, 17474.	1.7	13
337	Second-Harmonic Generation Scanning Microscopy on Domains in Al Surfaces. <i>Physica Status Solidi A</i> , 1999, 175, 201-206.	1.7	12
338	Second-harmonic scanning optical microscopy of poled silica waveguides. <i>Journal of Applied Physics</i> , 2000, 88, 3872.	1.1	12
339	Resonant field enhancement by a finite-size periodic array of surface scatterers. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 3001-3010.	0.7	12
340	Applicability conditions for the dipole approximation in the problems of scattering of surface plasmon polaritons. <i>JETP Letters</i> , 2005, 81, 218-221.	0.4	12
341	Two-photon near-field mapping of local molecular orientations in hexaphenyl nanofibers. <i>Laser Physics Letters</i> , 2005, 2, 480-484.	0.6	12
342	Demonstration of scattering suppression in retardation-based plasmonic nanoantennas. <i>Optics Express</i> , 2010, 18, 14802.	1.7	12

#	ARTICLE	IF	CITATIONS
343	CMOS-Compatible Long-Range Dielectric-Loaded Plasmonic Waveguides. <i>Journal of Lightwave Technology</i> , 2013, 31, 3361-3367.	2.7	12
344	Ultra-compact and Low-Power Plasmonic MZI Switch Using Cyclomer Loading. <i>IEEE Photonics Technology Letters</i> , 2015, 27, 963-966.	1.3	12
345	Compact wavelength add-drop multiplexers using Bragg gratings in coupled dielectric-loaded plasmonic waveguides. <i>Optics Letters</i> , 2015, 40, 2429.	1.7	12
346	Plasmonic channel waveguides in random arrays of metallic nanoparticles. <i>Optics Express</i> , 2016, 24, 17080.	1.7	12
347	Light extinction and scattering from individual and arrayed high-aspect-ratio trenches in metals. <i>Physical Review B</i> , 2016, 93, .	1.1	12
348	Use of monocrystalline gold flakes for gap plasmon-based metasurfaces operating in the visible. <i>Optical Materials Express</i> , 2019, 9, 4209.	1.6	12
349	Direct writing in polymethyl methacrylate films using near-ultraviolet light of Ar+laser. <i>Journal of Applied Physics</i> , 1992, 71, 2030-2032.	1.1	11
350	Study of shear force technique for near-field microscopy with an uncoated fiber tip. <i>Ultramicroscopy</i> , 1995, 61, 207-213.	0.8	11
351	Numerical study of configurational resonances in near-field optical microscopy with a mesoscopic metallic probe. <i>Applied Physics A: Materials Science and Processing</i> , 1996, 62, 115-121.	1.1	11
352	Second-harmonic scanning optical microscopy of semiconductor quantum dots. <i>Optics Communications</i> , 2001, 189, 305-311.	1.0	11
353	Surface plasmon polariton propagation along a 90° bent line defect in a periodically corrugated metal surface. <i>Optics Communications</i> , 2001, 196, 41-45.	1.0	11
354	Adiabatic bends in surface plasmon polariton band gap structures. <i>Optics Express</i> , 2006, 14, 4107.	1.7	11
355	Local excitation of surface plasmon polaritons by second-harmonic generation in crystalline organic nanofibers. <i>Optics Express</i> , 2012, 20, 16715.	1.7	11
356	Surface plasmon polariton excitation by second harmonic generation in single organic nanofibers. <i>Optics Express</i> , 2015, 23, 16356.	1.7	11
357	Optical reconfiguration and polarization control in semi-continuous gold films close to the percolation threshold. <i>Nanoscale</i> , 2017, 9, 12014-12024.	2.8	11
358	Ultra-compact branchless plasmonic interferometers. <i>Nanoscale</i> , 2018, 10, 16178-16183.	2.8	11
359	Demonstration of > 2π reflection phase range in optical metasurfaces based on detuned gap-surface plasmon resonators. <i>Scientific Reports</i> , 2020, 10, 19031.	1.6	11
360	Ultimate Limit for Optical Losses in Gold, Revealed by Quantitative Near-Field Microscopy. <i>Nano Letters</i> , 2022, 22, 5759-5764.	4.5	11

#	ARTICLE	IF	CITATIONS
361	Near-field imaging of the interference pattern of counterpropagating evanescent waves. <i>Optics Letters</i> , 1999, 24, 747.	1.7	10
362	Reflection second-harmonic microscopy of individual semiconductor microstructures. <i>Journal of Applied Physics</i> , 2001, 90, 6357-6362.	1.1	10
363	Near-field mapping of surface refractive-index distributions. <i>Laser Physics Letters</i> , 2005, 2, 440-444.	0.6	10
364	Detuned electrical dipoles metamaterial with bianisotropic response. <i>Physical Review B</i> , 2011, 83, .	1.1	10
365	Efficient interfacing photonic and long-range dielectric-loaded plasmonic waveguides. <i>Optics Express</i> , 2015, 23, 9100.	1.7	10
366	Efficient Coupling of Single Organic Molecules to Channel Plasmon Polaritons Supported by V-Grooves in Monocrystalline Gold. <i>ACS Photonics</i> , 2020, 7, 2211-2218.	3.2	10
367	Polarization-resolved two-photon luminescence microscopy of V-groove arrays. <i>Optics Express</i> , 2012, 20, 654.	1.7	9
368	Plasmonic black gold based broadband polarizers for ultra-short laser pulses. <i>Applied Physics Letters</i> , 2013, 103, 211102.	1.5	9
369	Nanofocusing in circular sector-like nanoantennas. <i>Optics Express</i> , 2014, 22, 10341.	1.7	9
370	Highly confined gap surface plasmon modes in metal stripâ€“gapâ€“film configurations. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 462.	0.9	9
371	Single Photon Emitters Coupled to Plasmonic Waveguides: A Review. <i>Advanced Quantum Technologies</i> , 2021, 4, 2100057.	1.8	9
372	Molding Photon Emission with Hybrid Plasmonâ€“Emitter Coupled Metasurfaces. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	9
373	Holographic approach to phase conjugation of optical near fields. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1997, 14, 1491.	0.8	8
374	Polarization-resolved imaging with a reflection near-field optical microscope. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1999, 16, 2649.	0.8	8
375	Near/Far-Field Investigations of the Interaction between Surface Waves and Nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 229, 1283-1294.	0.7	8
376	Surface plasmon polariton waveguiding in random surface nanostructures. <i>Journal of Microscopy</i> , 2003, 209, 209-213.	0.8	8
377	Near-field characterization of planar photonic-crystal-waveguide structures. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2004, 362, 757-769.	1.6	8
378	Tuning surface plasmons in interconnected hemispherical Au shells. <i>Optics Express</i> , 2012, 20, 534.	1.7	8

#	ARTICLE	IF	CITATIONS
379	Wide-bandwidth polarization-independent optical band-stop filter based on plasmonic nanoantennas. Applied Physics A: Materials Science and Processing, 2013, 110, 71-75.	1.1	8
380	Directional coupling in long-range dielectric-loaded plasmonic waveguides. Optics Express, 2013, 21, 8799.	1.7	8
381	Efficient broadband infrared absorbers based on core-shell nanostructures. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2643.	0.9	8
382	Characterization of phase-conjugated near-field light spots. Journal of the Optical Society of America B: Optical Physics, 1995, 12, 1617.	0.9	7
383	Optical characterization of probes for photon scanning tunnelling microscopy. Journal of Microscopy, 1999, 194, 311-316.	0.8	7
384	Diagram method for exact solution of the problem of scanning near-field microscopy. Optics and Spectroscopy (English Translation of Optika I Spektroskopiya), 2001, 90, 416-425.	0.2	7
385	Near-field imaging of light diffraction out of slab waveguides. Laser Physics Letters, 2004, 1, 311-316.	0.6	7
386	Focus on Plasmonics. New Journal of Physics, 2008, 10, 105001.	1.2	7
387	Theoretical analysis and experimental demonstration of resonant light scattering from metal nanostrips on quartz. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 121.	0.9	7
388	Tb/s switching fabrics for optical interconnects using heterointegration of plasmonics and silicon photonics: The FP7 PLATON approach. , 2010, , .		7
389	Demonstration of Laser-Fabricated DLSPPW at Telecom Wavelength. IEEE Photonics Journal, 2010, 2, 652-658.	1.0	7
390	Experimental determination of the refractive index of metamaterials. Journal of Optics (United Kingdom), 2010, 11, 106001.	1.0	7
391	Fiber-pigtailed temperature sensors based on dielectric-loaded plasmonic waveguide-ring resonators. Optics Express, 2011, 19, 26423.	1.7	7
392	Scaling in light scattering by sharp conical metal tips. Optics Letters, 2014, 39, 3308.	1.7	7
393	Relaxation dynamics of a quantum emitter resonantly coupled to a coherent state of a localized surface plasmon. Faraday Discussions, 2015, 178, 295-306.	1.6	7
394	Topological nanophotonics. Nanophotonics, 2019, 8, 1315-1317.	2.9	7
395	Plasmonic color printing based on third-order gap surface plasmons [Invited]. Optical Materials Express, 2019, 9, 717.	1.6	7
396	Dynamics of ablation of polymethyl methacrylate films by near ultraviolet light of an Ar+laser. Journal Physics D: Applied Physics, 1994, 27, 19-24.	1.3	6

#	ARTICLE	IF	CITATIONS
397	Near-field optical microscopy with a phase-conjugating mirror. Optics Communications, 1998, 148, 331-337.	1.0	6
398	Near-field optical microscopy of fractal structures. Nanotechnology, 1999, 10, 108-112.	1.3	6
399	Near-field optical microscopy of localized excitations on rough surfaces: influence of a probe. Journal of Microscopy, 1999, 194, 561-566.	0.8	6
400	Polarization contrast in reflection near-field optical microscopy with uncoated fibre tips. Journal of Microscopy, 1999, 194, 500-506.	0.8	6
401	Experimental statistics of near-field intensity distributions at nanostructured surfaces. Journal of Microscopy, 2001, 202, 136-141.	0.8	6
402	Self-consistent description of electrodynamic interaction between two spheres: implications for near-field resonant interactions. Journal of Physics Condensed Matter, 2002, 14, 13597-13607.	0.7	6
403	Near-field imaging of optical phase and its singularities. Optics Communications, 2002, 212, 217-223.	1.0	6
404	Surface-enhanced Raman microscopy of hemispherical shells stripped from templates of anodized aluminum. Journal of Raman Spectroscopy, 2012, 43, 834-341.	1.2	6
405	Data transmission in long-range dielectric-loaded surface plasmon polariton waveguides. Optics Express, 2014, 22, 26742.	1.7	6
406	Optics of a single ultrasharp groove in metal. Optics Letters, 2016, 41, 2903.	1.7	6
407	Enhanced nonresonant light transmission through subwavelength slits in metal. Optics Letters, 2016, 41, 242.	1.7	6
408	Ultra-broadband microwave metasurfaces for polarizer and beam splitting. Europhysics Letters, 2019, 128, 47003.	0.7	6
409	Anisotropic second-harmonic generation from monocrystalline gold flakes. Optics Letters, 2021, 46, 833.	1.7	6
410	On-Chip Ge Photodetector Efficiency Enhancement by Local Laser-Induced Crystallization. Nano Letters, 2021, 21, 7472-7478.	4.5	6
411	Dielectric-loading approach for extra electric field enhancement and spatially transferring plasmonic hot-spots. Nanotechnology, 2021, 32, 035205.	1.3	6
412	Image Formation in Second-Harmonic Near-Field Microscopy. Physica Status Solidi A, 1999, 175, 331-336.	1.7	5
413	Local excitation of surface plasmon polaritons in random surface nanostructures. Optics Communications, 2003, 223, 25-29.	1.0	5
414	Second-harmonic near-field optical microscopy of periodic nanoholes in metal films. Laser Physics Letters, 2004, 1, 592-597.	0.6	5

#	ARTICLE	IF	CITATIONS
415	Near-field probing of photonic crystal directional couplers. <i>Laser Physics Letters</i> , 2006, 3, 288-292.	0.6	5
416	Two-photon luminescence microscopy of large-area gold nanostructures on templates of anodized aluminum. <i>Optics Express</i> , 2010, 18, 17040.	1.7	5
417	Dynamics of a quantum emitter resonantly coupled to both external field and localized surface plasmon. <i>Physical Review B</i> , 2018, 97, .	1.1	5
418	Highly stable silver nanoparticles for SERS applications. <i>Journal of Physics: Conference Series</i> , 2018, 1092, 012098.	0.3	5
419	Single-Photon Generation Engineering. <i>ACS Photonics</i> , 2021, 8, 3119-3124.	3.2	5
420	Bragg diffraction of light by a set of parallel phase gratings: Analysis and applications. <i>Optical and Quantum Electronics</i> , 1989, 21, 397-407.	1.5	4
421	Two-photon mapping of molecular orientations in hexaphenyl microrings. <i>Laser Physics Letters</i> , 2004, 1, 264-268.	0.6	4
422	Holographic evanescent-wave focusing with nanoparticle arrays. <i>Optics Express</i> , 2008, 16, 17429.	1.7	4
423	Ultrafocusing of surface plasmon-polariton in a narrowing concave gap. <i>Journal of Contemporary Physics</i> , 2010, 45, 302-306.	0.1	4
424	Metal split-cylinder resonators for plasmonic nanosensing. <i>Journal of Optics (United Kingdom)</i> , 2011, 13, 095001.	1.0	4
425	Quantum plasmonics, gain and spasers: general discussion. <i>Faraday Discussions</i> , 2015, 178, 325-334.	1.6	4
426	Local excitation of surface plasmon polaritons using nitrogen-vacancy centers. <i>Optics Letters</i> , 2015, 40, 3830.	1.7	4
427	Phase-shifted response of plasmonic nanostructures: Implications to luminescence upconversion. <i>Journal of Luminescence</i> , 2017, 192, 595-598.	1.5	4
428	Plasmon Metasurfaces: Gap Surface Plasmon Metasurfaces for Broadband Circular to Linear Polarization Conversion and Vector Vortex Beam Generation (<i>Advanced Optical Materials</i> 9/2019). <i>Advanced Optical Materials</i> , 2019, 7, 1970033.	3.6	4
429	Characterization of gap-plasmon based metasurfaces using scanning differential heterodyne microscopy. <i>Scientific Reports</i> , 2020, 10, 13524.	1.6	4
430	Measurement of effective index fluctuations in Ti:LiNbO3 waveguides using cherenkov second-harmonic. <i>Optics Communications</i> , 1989, 69, 239-242.	1.0	3
431	Regularization in the macroscopic self-consistent model for near-field microscopy. <i>Ultramicroscopy</i> , 1995, 61, 35-41.	0.8	3
432	Direct observation of strong localization of quasi-two-dimensional light waves. <i>Annalen Der Physik</i> , 1999, 8, 717-726.	0.9	3

#	ARTICLE	IF	CITATIONS
433	Comment on "Local Observations of Phase Singularities in Optical Fields in Waveguide Structures", Physical Review Letters, 2001, 87, 259401.	2.9	3
434	Out-of-plane scattering properties of long-range surface plasmon polariton gratings. Physica Status Solidi (B): Basic Research, 2005, 242, 3064-3069.	0.7	3
435	Topography characterization of a deep grating using near-field imaging. Applied Optics, 2006, 45, 117.	2.1	3
436	Vectorial modeling of near-field imaging with uncoated fiber probes: transfer function and resolving power. Applied Optics, 2006, 45, 8739.	2.1	3
437	Scattering of surface plasmon polaritons by a nanoparticle with the inclusion of the magnetic dipole contribution. JETP Letters, 2006, 83, 558-562.	0.4	3
438	Fabrication of plasmonic waveguides for device applications. , 2007, , .		3
439	Efficiency of local surface plasmon polariton excitation on ridges. Proceedings of SPIE, 2008, , .	0.8	3
440	Two-photon imaging of field enhancement by groups of gold nanostrip antennas. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 2199.	0.9	3
441	Efficient suppression of radiation damping in individual plasmonic resonators: towards high-Q nano-volume sensing. Annalen Der Physik, 2012, 524, 253-272.	0.9	3
442	Surface plasmon enhanced spectroscopies and time and space resolved methods: general discussion. Faraday Discussions, 2015, 178, 253-279.	1.6	3
443	Excitation of surface plasmon polariton modes with multiple nitrogen vacancy centers in single nanodiamonds. Journal of Optics (United Kingdom), 2016, 18, 024002.	1.0	3
444	Thermophotovoltaics: Large-Area Ultrabroadband Absorber for Solar Thermophotovoltaics Based on 3D Titanium Nitride Nanopillars (Advanced Optical Materials 22/2017). Advanced Optical Materials, 2017, 5, .	3.6	3
445	Maximizing absorption and scattering by spherical nanoparticles. Optics Letters, 2020, 45, 1531.	1.7	3
446	Nanofocusing: reaching out. Nanophotonics, 2021, 10, 3613-3618.	2.9	3
447	Polarization control of colors in resonant evanescent field scattering by silicon nanodisks [Invited]. Optical Materials Express, 2019, 9, 151.	1.6	3
448	Bragg diffraction of light by rectangular phase gratings. Optical and Quantum Electronics, 1988, 20, 475-483.	1.5	2
449	Near-field characterization of photonic crystal Y-splitters. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4087-4092.	0.8	2
450	Modeling of second-harmonic scanning optical microscopy of molecular quasi-one-dimensional aggregates. Physical Review B, 2007, 75, .	1.1	2

#	ARTICLE	IF	CITATIONS
451	Fiber-Coupled Surface Plasmon Polariton Excitation in Imprinted Dielectric-Loaded Waveguides. International Journal of Optics, 2010, 2010, 1-6.	0.6	2
452	Parametric study of dielectric loaded surface plasmon polariton add-drop filters for hybrid silicon/plasmonic optical circuitry. , 2011, , .		2
453	Scattering Suppression and Field Enhancement of the Fundamental Plasmonic Mode in Bent Nanorods. Journal of Computational and Theoretical Nanoscience, 2011, 8, 1619-1624.	0.4	2
454	Characterization of localized field enhancements in laser fabricated gold needle nanostructures. Journal of the Optical Society of America B: Optical Physics, 2012, 29, 185.	0.9	2
455	Waveguiding with Surface Plasmon Polaritons. Handbook of Surface Science, 2014, 4, 137-187.	0.3	2
456	Gap plasmon-based metasurfaces: fundamentals and applications. , 2014, , .		2
457	Subwavelength-Sized Narrow-Band Anechoic Waveguide Terminations. Physical Review Applied, 2016, 6, .	1.5	2
458	Special Issue on "Metasurfaces: Physics and Applications" Applied Sciences (Switzerland), 2018, 8, 1727.	1.3	2
459	Scanning differential microscopy for characterization of reflecting phase-gradient metasurfaces. Optics Communications, 2018, 427, 603-608.	1.0	2
460	Mark Stockman: Evangelist for Plasmonics. ACS Photonics, 2021, 8, 683-698.	3.2	2
461	Weak Localization of Surface Plasmon Polaritons: Direct Observation with Photon Scanning Tunneling Microscope. , 1996, , 163-173.		2
462	Quantum Hybrid Plasmonic Nanocircuits for Versatile Polarized Photon Generation. Advanced Optical Materials, 2022, 10, 2101596.	3.6	2
463	NANOPLASMONICS: COMPONENTS, DEVICES, AND CIRCUITS. , 0, , 405-438.		2
464	Second-harmonic generation in channel glass waveguides. Applied Optics, 1992, 31, 5813.	2.1	1
465	Differential amplitude scanning optical microscope computer aided for linewidth measurements. Applied Optics, 1992, 31, 6836.	2.1	1
466	Phase conjugation of optical near fields by a surface hologram. Optics Communications, 1997, 135, 19-23.	1.0	1
467	Publisher's Note: Comment on "Local Observations of Phase Singularities in Optical Fields in Waveguide Structures" [Phys. Rev. Lett. 87, 259401 (2001)]. Physical Review Letters, 2001, 87, .	2.9	1
468	Second harmonic imaging of individual semiconductor nanostructures for scanning far field microscopy. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 15, 229-237.	1.3	1

#	ARTICLE	IF	CITATIONS
469	Second-harmonic far-field microscopy of random nanostructured gold surfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 3070-3074.	0.8	1
470	Near-field microscopy of light propagation in photonic crystal waveguides. , 2003, 5118, 515.		1
471	Dynamic components utilizing long-range surface plasmon polaritons. , 2007, , 1-34.		1
472	Slow-light plasmonic metal nano-strip resonators. , 2008, , .		1
473	Waveguide-ring resonator-based photonic components utilizing channel plasmon polaritons. , 2008, , .		1
474	Raman microscopy of individual living human embryonic stem cells. , 2010, , .		1
475	10 Gb/s Transmission and Thermo-Optic Resonance Tuning in Silicon-Plasmonic Waveguide Platform. , 2011, , .		1
476	Dielectric loaded surface plasmon waveguides for datacom applications. <i>Proceedings of SPIE</i> , 2012, , .	0.8	1
477	Low energy routing platforms for optical interconnects using active Plasmonics integrated with Silicon Photonics. , 2012, , .		1
478	Gap plasmon-based metasurfaces: From amplitude to phase control of reflected light. , 2014, , .		1
479	Towards Wavefront Sensing with Metamaterials. , 2016, , .		1
480	Coupling of Quantum Emitters to Plasmonic Nanoguides. <i>Springer Series in Solid-state Sciences</i> , 2017, , 47-71.	0.3	1
481	Light Refraction by Water as a Rationale for the Poggendorff Illusion. <i>Perception</i> , 2017, 46, 78-89.	0.5	1
482	Rapid characterization of metasurface unit cells using Scanning Differential Heterodyne Microscopy. , 2018, , .		1
483	Second-Harmonic Generation Scanning Microscopy on Domains in Al Surfaces. , 1999, 175, 201.		1
484	Plasmonic Waveguides: Challenges and Opportunities. , 2012, , .		1
485	Plasmonic Functionalities Based on Detuned Electrical Dipoles. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2013, , 401-429.	0.6	1
486	Near-field phase characterization of gradient gap plasmon-based metasurfaces. , 2018, , .		1

#	ARTICLE	IF	CITATIONS
487	Plasmonic directional couplers using channel waveguides in random arrays of metal nanoparticles. Optics Express, 2019, 27, 22753.	1.7	1
488	Nanoscale light field imaging with graphene. Communications Materials, 2022, 3, .	2.9	1
489	<title>High-resolution differential phase and amplitude optical microscope</title>. , 1992, , .		0
490	<title>Index profile measurements of channel waveguides by using a differential phase optical microscope</title>. , 1993, 1932, 41.		0
491	Calculations of second-harmonic near-field images. , 2002, , .		0
492	Localization Phenomena in Elastic Surface Plasmon Polariton Scattering. , 2002, , 331-359.		0
493	Modeling of a Surface Plasmon Polariton Interferometer. Materials Research Society Symposia Proceedings, 2003, 797, 37.	0.1	0
494	Near-field imaging of out-of-plane light scattering in photonic crystal slabs. , 2003, , .		0
495	Second-harmonic far-field microscopy of random metal nanostructures. , 2003, , .		0
496	Surface wave scattering by a nano-object situated on a surface. Surface Science, 2004, 554, 33-42.	0.8	0
497	Near-field detection of evanescent waves. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 4101-4105.	0.8	0
498	Mapping of surface refractive-index distribution by reflection SNOM. , 2005, , .		0
499	Long-range surface plasmon polariton waveguides with TE and TM guiding. , 2006, , .		0
500	Metal strips and wires as plasmonic waveguides for integrated-optics components. , 2007, , .		0
501	SURFACE PLASMON POLARITON GUIDING IN PHOTONIC BANDGAP STRUCTURES. , 2007, , 73-86.		0
502	Excitation and characterization of dielectric-loaded surface plasmon-polariton waveguides at telecommunication wavelengths. Proceedings of SPIE, 2008, , .	0.8	0
503	Fabrication of plasmonic waveguides by nanoimprint and UV lithography. Proceedings of SPIE, 2008, , .	0.8	0
504	Nanophotonic components utilizing channel plasmon polaritons. Proceedings of SPIE, 2008, , .	0.8	0

#	ARTICLE	IF	CITATIONS
505	Plasmonic nanoguides. , 2009, , .		0
506	Two-photon luminescence microscopy of tunable gold nanostructures randomly distributed on templates of anodized aluminum. Proceedings of SPIE, 2010, , .	0.8	0
507	Optical resonances and nanofocusing in triangular metal nano-grooves. Proceedings of SPIE, 2010, , .	0.8	0
508	Investigations of scattering and field enhancement effects in retardation-based plasmonic nanoantennas. , 2010, , .		0
509	Explorative technology transfer in photonics. , 2011, , .		0
510	WDM Switching Employing a Hybrid Silicon-Plasmonic A-MZI. , 2012, , .		0
511	Photonics technology and university-driven business co-creation. Proceedings of SPIE, 2012, , .	0.8	0
512	Surface Plasmon Circuitry in Opto-Electronics. , 2012, , .		0
513	Low energy routing platforms for optical interconnects using active plasmonics integrated with Silicon Photonics. , 2013, , .		0
514	Optical magnetic response of laser fabricated Si nanoparticles. , 2013, , .		0
515	Gap surface plasmon waveguide analysis. , 2014, , .		0
516	Plasmonic Antennas Nanocoupler for Telecom Range: Simulation, Fabrication and Near-Field Characterization. , 2014, , .		0
517	Optical metasurfaces based on gap plasmon resonators. , 2014, , .		0
518	High Excitation Efficiency of Channel Plasmon Polaritons in Tailored, UV-Lithography-Defined V-Grooves. , 2014, , .		0
519	Plasmonic black metal polarizers for ultra-short laser pulses. Proceedings of SPIE, 2014, , .	0.8	0
520	Experimental demonstration of CMOS-compatible long-range dielectric-loaded surface plasmon-polariton waveguides (LR-DLSPWs). , 2015, , .		0
521	Optical nano-antennae as compact and efficient couplers from free-space to waveguide modes. , 2015, , .		0
522	Design, fabrication and SNOM investigation of plasmonic devices. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
523	Metasurfaces for full control of reflected light. , 2016, , .		0
524	Hybrid grapheme plasmonic waveguide modulators. , 2016, , .		0
525	Spectroscopy and mapping of resonant fields in terahertz plasmonic resonators. , 2017, , .		0
526	Numerical simulations of nanostructured gold films. , 2017, , .		0
527	Bifunctional Gap-Plasmon Metasurfaces for Visible Light. , 2018, , .		0
528	Engineering 3D Multi-Branched Nanostructures for Ultra- Sensing Applications. , 2018, , .		0
529	Novel Terahertz Sources in the Form of Multispectral Resonators Boosted by Both Pump Light Local Field Enhancement and Terahertz Purcell Effect. ACS Photonics, 2019, 6, 2223-2230.	3.2	0
530	Gap-surface Plasmon Metasurfaces for Structured Beams Generation. , 2019, , .		0
531	Versatile linearly polarized photon generation from a quantum emitter in metasurface-decorated waveguides. , 2021, , .		0
532	Localization effects in surface plasmon-polariton scattering at nanostructured surfaces. , 2003, , .		0
533	Computed imaging for the near-field. , 2003, , .		0
534	Chapter 1 Dynamic components utilizing long-range surface plasmon polaritons. Advances in Nano-optics and Nano-photonics, 2006, , 1-34.	0.0	0
535	Using Surface Plasmons for Nanophotonics. , 2007, , .		0
536	Plasmonic black gold and black metals. , 2012, , .		0
537	Weakly Polarization Dependent Electro-Optic Effect in Poled Silica. , 1999, , .		0
538	Experimental demonstration of CMOS-compatible long-range dielectric-loaded surface plasmon-polariton waveguides (LR-DLSPWs). , 2015, , .		0
539	Chip-size Plasmonic Spectropolarimeters. , 2017, , .		0
540	Plasmon-empowered Single-photon Sources. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
541	Bifunctional Gap-Plasmon Metasurfaces for Visible Light. , 2018, , .		0
542	Controlled excitation of diamond color centers using low-loss dielectric-loaded surface plasmon polariton waveguides. , 2018, , .		0
543	Bifunctional metamirrors for simultaneous polarization splitting and focusing. , 2018, , .		0
544	Polarization conversion within ultra-compact on-chip all-plasmonic nanocircuits. , 2018, , .		0
545	Gap-surface Plasmon Metasurfaces for Focused Structured-beams Generation. , 2019, , .		0
546	Atom-like quantum emitters embedded in photonic hot spots. , 2019, , .		0
547	Optical modification of cavity-antenna plasmonic nanostructures for brighter and faster single-photon emission. , 2020, , .		0
548	Plasmonic Bragg Cavity-Enhanced Emission from Single Germanium Vacancy Centers in Nanodiamonds. , 2020, , .		0
549	Enhancing the performance of coupled cavity-antenna plasmonic nanostructures for ultrafast quantum photonics. , 2020, , .		0
550	Nanooptics Using Organic Nanofibers. , 2008, , 219-238.		0
551	INTRODUCTION TO SURFACE PLASMON-POLARITON WAVEGUIDES. , 0, , 1-31.		0
552	Gold Metasurfaces as Saturable Absorbers for All-Normal-Dispersion Ytterbium-Doped Mode-Locked Fiber Laser. IEEE Photonics Journal, 2022, 14, 1-6.	1.0	0