

Sergei I Bozhevolnyi

List of Publications by Citations

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482
papers

26,153
citations

72
h-index

147
g-index

556
ext. papers

30,208
ext. citations

4.9
avg, IF

7.62
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 482 | Plasmonics beyond the diffraction limit. <i>Nature Photonics</i> , 2010 , 4, 83-91 | 33.9 | 2680 |
| 481 | Channel plasmon subwavelength waveguide components including interferometers and ring resonators. <i>Nature</i> , 2006 , 440, 508-11 | 50.4 | 1718 |
| 480 | Demonstration of magnetic dipole resonances of dielectric nanospheres in the visible region. <i>Nano Letters</i> , 2012 , 12, 3749-55 | 11.5 | 684 |
| 479 | Surface-plasmon circuitry. <i>Physics Today</i> , 2008 , 61, 44-50 | 0.9 | 521 |
| 478 | Broadband focusing flat mirrors based on plasmonic gradient metasurfaces. <i>Nano Letters</i> , 2013 , 13, 829-345 | 3.5 | 514 |
| 477 | Channel plasmon-polariton guiding by subwavelength metal grooves. <i>Physical Review Letters</i> , 2005 , 95, 046802 | 7.4 | 505 |
| 476 | Surface plasmon polariton based modulators and switches operating at telecom wavelengths. <i>Applied Physics Letters</i> , 2004 , 85, 5833-5835 | 3.4 | 492 |
| 475 | Plasmonic colour generation. <i>Nature Reviews Materials</i> , 2017 , 2, | 73.3 | 435 |
| 474 | Efficient unidirectional nanoslit couplers for surface plasmons. <i>Nature Physics</i> , 2007 , 3, 324-328 | 16.2 | 393 |
| 473 | Waveguiding in surface plasmon polariton band gap structures. <i>Physical Review Letters</i> , 2001 , 86, 3008-17.4 | 17.4 | 389 |
| 472 | Theoretical analysis of dielectric-loaded surface plasmon-polariton waveguides. <i>Physical Review B</i> , 2007 , 75, | 3.3 | 333 |
| 471 | A generalized non-local optical response theory for plasmonic nanostructures. <i>Nature Communications</i> , 2014 , 5, 3809 | 17.4 | 327 |
| 470 | Integrated optical components utilizing long-range surface plasmon polaritons. <i>Journal of Lightwave Technology</i> , 2005 , 23, 413-422 | 4 | 324 |
| 469 | Gap plasmon-based metasurfaces for total control of reflected light. <i>Scientific Reports</i> , 2013 , 3, 2155 | 4.9 | 268 |
| 468 | Guiding and focusing of electromagnetic fields with wedge plasmon polaritons. <i>Physical Review Letters</i> , 2008 , 100, 023901 | 7.4 | 268 |
| 467 | Nanofocusing of electromagnetic radiation. <i>Nature Photonics</i> , 2014 , 8, 13-22 | 33.9 | 257 |
| 466 | Gradient metasurfaces: a review of fundamentals and applications. <i>Reports on Progress in Physics</i> , 2018 , 81, 026401 | 14.4 | 256 |

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|-----|---|------|-----|
| 465 | Plasmon-induced transparency with detuned ultracompact Fabry-Perot resonators in integrated plasmonic devices. <i>Optics Express</i> , 2011 , 19, 3251-7 | 3.3 | 245 |
| 464 | Subwavelength plasmonic color printing protected for ambient use. <i>Nano Letters</i> , 2014 , 14, 783-7 | 11.5 | 241 |
| 463 | Polymer-based surface-plasmon-polariton stripe waveguides at telecommunication wavelengths. <i>Applied Physics Letters</i> , 2003 , 82, 668-670 | 3.4 | 235 |
| 462 | Plasmonic black gold by adiabatic nanofocusing and absorption of light in ultra-sharp convex grooves. <i>Nature Communications</i> , 2012 , 3, 969 | 17.4 | 230 |
| 461 | Plasmonic metasurfaces for efficient phase control in reflection. <i>Optics Express</i> , 2013 , 21, 27438-51 | 3.3 | 219 |
| 460 | Nonlocal optical response in metallic nanostructures. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 183204 | 1.8 | 214 |
| 459 | General properties of slow-plasmon resonant nanostructures: nano-antennas and resonators. <i>Optics Express</i> , 2007 , 15, 10869-77 | 3.3 | 191 |
| 458 | Efficient absorption of visible radiation by gap plasmon resonators. <i>Optics Express</i> , 2012 , 20, 13311-9 | 3.3 | 184 |
| 457 | Hybrid graphene plasmonic waveguide modulators. <i>Nature Communications</i> , 2015 , 6, 8846 | 17.4 | 183 |
| 456 | Radiation guiding with surface plasmon polaritons. <i>Reports on Progress in Physics</i> , 2013 , 76, 016402 | 14.4 | 182 |
| 455 | Plasmonic metagratings for simultaneous determination of Stokes parameters. <i>Optica</i> , 2015 , 2, 716 | 8.6 | 179 |
| 454 | Broadband near-infrared metamaterial absorbers utilizing highly lossy metals. <i>Scientific Reports</i> , 2016 , 6, 39445 | 4.9 | 175 |
| 453 | Roadmap on plasmonics. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 043001 | 1.7 | 174 |
| 452 | Efficient unidirectional polarization-controlled excitation of surface plasmon polaritons. <i>Light: Science and Applications</i> , 2014 , 3, e197-e197 | 16.7 | 159 |
| 451 | A review of gap-surface plasmon metasurfaces: fundamentals and applications. <i>Nanophotonics</i> , 2018 , 7, 1129-1156 | 6.3 | 155 |
| 450 | Analog computing using reflective plasmonic metasurfaces. <i>Nano Letters</i> , 2015 , 15, 791-7 | 11.5 | 150 |
| 449 | Thermo-optic control of dielectric-loaded plasmonic waveguide components. <i>Optics Express</i> , 2010 , 18, 1207-16 | 3.3 | 150 |
| 448 | Triangular metal wedges for subwavelength plasmon-polariton guiding at telecom wavelengths. <i>Optics Express</i> , 2008 , 16, 5252-60 | 3.3 | 149 |

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|-----|---|------|-----|
| 447 | Channel plasmon-polaritons: modal shape, dispersion, and losses. <i>Optics Letters</i> , 2006 , 31, 3447-9 | 3 | 146 |
| 446 | Graphene-protected copper and silver plasmonics. <i>Scientific Reports</i> , 2014 , 4, 5517 | 4.9 | 143 |
| 445 | Wavelength selective nanophotonic components utilizing channel plasmon polaritons. <i>Nano Letters</i> , 2007 , 7, 880-4 | 11.5 | 140 |
| 444 | Configurational resonances in optical near-field microscopy: a rigorous point-dipole approach. <i>Surface Science</i> , 1993 , 280, 217-230 | 1.8 | 138 |
| 443 | Broadband plasmonic half-wave plates in reflection. <i>Optics Letters</i> , 2013 , 38, 513-5 | 3 | 136 |
| 442 | Effective-index modeling of channel plasmon polaritons. <i>Optics Express</i> , 2006 , 14, 9467-76 | 3.3 | 129 |
| 441 | Nanofocusing with channel plasmon polaritons. <i>Nano Letters</i> , 2009 , 9, 1278-82 | 11.5 | 121 |
| 440 | Two-Dimensional Micro-Optics of Surface Plasmons. <i>Physical Review Letters</i> , 1997 , 78, 2823-2826 | 7.4 | 118 |
| 439 | Coupling of individual quantum emitters to channel plasmons. <i>Nature Communications</i> , 2015 , 6, 7883 | 17.4 | 117 |
| 438 | Vanadium Dioxide Integrated Metasurfaces with Switchable Functionalities at Terahertz Frequencies. <i>Advanced Optical Materials</i> , 2018 , 6, 1701204 | 8.1 | 114 |
| 437 | Active control of anapole states by structuring the phase-change alloy GeSbTe. <i>Nature Communications</i> , 2019 , 10, 396 | 17.4 | 107 |
| 436 | Plasmonic metamaterial wave retarders in reflection by orthogonally oriented detuned electrical dipoles. <i>Optics Letters</i> , 2011 , 36, 1626-8 | 3 | 107 |
| 435 | Scaling for gap plasmon based waveguides. <i>Optics Express</i> , 2008 , 16, 2676-84 | 3.3 | 106 |
| 434 | Direct observation of localized second-harmonic enhancement in random metal nanostructures. <i>Physical Review Letters</i> , 2003 , 90, 197403 | 7.4 | 106 |
| 433 | Efficient and broadband quarter-wave plates by gap-plasmon resonators. <i>Optics Express</i> , 2013 , 21, 2942-53 | 3.3 | 105 |
| 432 | 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 | 16.7 | 104 |
| 431 | Long-range surface plasmon polariton nanowire waveguides for device applications. <i>Optics Express</i> , 2006 , 14, 314-9 | 3.3 | 102 |
| 430 | Anapole-Assisted Strong Field Enhancement in Individual All-Dielectric Nanostructures. <i>ACS Photonics</i> , 2018 , 5, 1960-1966 | 6.3 | 101 |

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|-----|---|-----|----|
| 429 | Gap and channeled plasmons in tapered grooves: a review. <i>Nanoscale</i> , 2015 , 7, 9355-86 | 7.7 | 98 |
| 428 | Long-range dielectric-loaded surface plasmon-polariton waveguides. <i>Optics Express</i> , 2010 , 18, 23009-15 | 3.3 | 91 |
| 427 | Continuous layer gap plasmon resonators. <i>Optics Express</i> , 2011 , 19, 19310-22 | 3.3 | 90 |
| 426 | Near-field microscopy of surface-plasmon polaritons: Localization and internal interface imaging. <i>Physical Review B</i> , 1995 , 51, 17916-17924 | 3.3 | 90 |
| 425 | Bend- and splitting loss of dielectric-loaded surface plasmon-polariton waveguides. <i>Optics Express</i> , 2008 , 16, 13585-92 | 3.3 | 86 |
| 424 | Efficient unidirectional ridge excitation of surface plasmons. <i>Optics Express</i> , 2009 , 17, 7228-32 | 3.3 | 85 |
| 423 | In-line extinction modulator based on long-range surface plasmon polaritons. <i>Optics Communications</i> , 2005 , 244, 455-459 | 2 | 84 |
| 422 | Gap plasmon-polariton nanoresonators: Scattering enhancement and launching of surface plasmon polaritons. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 82 |
| 421 | Compact Bragg gratings for long-range surface plasmon polaritons. <i>Journal of Lightwave Technology</i> , 2006 , 24, 912-918 | 4 | 82 |
| 420 | Acoustic transparency and slow sound using detuned acoustic resonators. <i>Physical Review B</i> , 2011 , 84, | 3.3 | 80 |
| 419 | Slow-plasmon resonant nanostructures: Scattering and field enhancements. <i>Physical Review B</i> , 2007 , 75, | 3.3 | 80 |
| 418 | Laser-fabricated dielectric optical components for surface plasmon polaritons. <i>Optics Letters</i> , 2006 , 31, 1307-9 | 3 | 80 |
| 417 | Localization and waveguiding of surface plasmon polaritons in random nanostructures. <i>Physical Review Letters</i> , 2002 , 89, 186801 | 7.4 | 79 |
| 416 | Dielectric-loaded plasmonic waveguide-ring resonators. <i>Optics Express</i> , 2009 , 17, 2968-75 | 3.3 | 78 |
| 415 | Dynamic Metasurfaces Using Phase-Change Chalcogenides. <i>Advanced Optical Materials</i> , 2019 , 7, 1801708 | 8.1 | 77 |
| 414 | Multilayer tungsten-alumina-based broadband light absorbers for high-temperature applications. <i>Optical Materials Express</i> , 2016 , 6, 2704 | 2.6 | 75 |
| 413 | Large-Area Ultrabroadband Absorber for Solar Thermophotovoltaics Based on 3D Titanium Nitride Nanopillars. <i>Advanced Optical Materials</i> , 2017 , 5, 1700552 | 8.1 | 73 |
| 412 | Wavelength selection by dielectric-loaded plasmonic components. <i>Applied Physics Letters</i> , 2009 , 94, 051114 | 3.1 | 73 |

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|-----|---|------|----|
| 411 | Efficient electro-optic modulation in low-loss graphene-plasmonic slot waveguides. <i>Nanoscale</i> , 2017 , 9, 15576-15581 | 7.7 | 72 |
| 410 | Extraordinary optical transmission enhanced by nanofocusing. <i>Nano Letters</i> , 2010 , 10, 3123-8 | 11.5 | 72 |
| 409 | Resonant plasmon nanofocusing by closed tapered gaps. <i>Nano Letters</i> , 2010 , 10, 291-5 | 11.5 | 72 |
| 408 | Efficiency of local surface plasmon polariton excitation on ridges. <i>Physical Review B</i> , 2008 , 78, | 3.3 | 72 |
| 407 | Direct observation of surface polariton localization caused by surface roughness. <i>Optics Communications</i> , 1995 , 117, 417-423 | 2 | 72 |
| 406 | Detuned electrical dipoles for plasmonic sensing. <i>Nano Letters</i> , 2010 , 10, 4571-7 | 11.5 | 71 |
| 405 | Surface plasmon polariton scattering by a small particle placed near a metal surface: An analytical study. <i>Physical Review B</i> , 2004 , 69, | 3.3 | 71 |
| 404 | On-chip excitation of single germanium vacancies in nanodiamonds embedded in plasmonic waveguides. <i>Light: Science and Applications</i> , 2018 , 7, 61 | 16.7 | 71 |
| 403 | Focusing and directing of surface plasmon polaritons by curved chains of nanoparticles. <i>Optics Express</i> , 2007 , 15, 16667-80 | 3.3 | 70 |
| 402 | Elastic scattering of surface plasmon polaritons: Modeling and experiment. <i>Physical Review B</i> , 1998 , 58, 10899-10910 | 3.3 | 70 |
| 401 | Probing cytochrome c in living mitochondria with surface-enhanced Raman spectroscopy. <i>Scientific Reports</i> , 2015 , 5, 13793 | 4.9 | 69 |
| 400 | Direct observation of localized dipolar excitations on rough nanostructured surfaces. <i>Physical Review B</i> , 1998 , 58, 11441-11448 | 3.3 | 69 |
| 399 | Theoretical analysis of square surface plasmon-polariton waveguides for long-range polarization-independent waveguiding. <i>Physical Review B</i> , 2007 , 76, | 3.3 | 68 |
| 398 | Beam-Size-Invariant Spectropolarimeters Using Gap-Plasmon Metasurfaces. <i>ACS Photonics</i> , 2017 , 4, 943-949 | 3.3 | 67 |
| 397 | Nonradiating anapole states in nanophotonics: from fundamentals to applications. <i>Nanotechnology</i> , 2019 , 30, 204001 | 3.4 | 67 |
| 396 | Unidirectional scattering by nanoparticles near substrates: generalized Kerker conditions. <i>Optics Express</i> , 2015 , 23, 28808-28 | 3.3 | 67 |
| 395 | Second-harmonic imaging of ferroelectric domain walls. <i>Applied Physics Letters</i> , 1998 , 73, 1814-1816 | 3.4 | 66 |
| 394 | Theoretical Analysis of Long-Range Dielectric-Loaded Surface Plasmon Polariton Waveguides. <i>Journal of Lightwave Technology</i> , 2011 , 29, 1473-1481 | 4 | 65 |

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|-----|---|------|----|
| 393 | Surface plasmon polariton beam focusing with parabolic nanoparticle chains. <i>Optics Express</i> , 2007 , 15, 6576-82 | 3.3 | 65 |
| 392 | Near-field imaging of light propagation in photonic crystal waveguides: Explicit role of Bloch harmonics. <i>Physical Review B</i> , 2002 , 66, | 3.3 | 65 |
| 391 | Plasmonic Waveguide-Integrated Nanowire Laser. <i>Nano Letters</i> , 2017 , 17, 747-754 | 11.5 | 64 |
| 390 | Multifunctional Metamirror: Polarization Splitting and Focusing. <i>ACS Photonics</i> , 2018 , 5, 1648-1653 | 6.3 | 64 |
| 389 | Extremely confined gap surface-plasmon modes excited by electrons. <i>Nature Communications</i> , 2014 , 5, 4125 | 17.4 | 63 |
| 388 | Nanofabrication of Plasmonic Circuits Containing Single Photon Sources. <i>ACS Photonics</i> , 2017 , 4, 1879-1884 | 6.3 | 63 |
| 387 | Wavelength-selective directional coupling with dielectric-loaded plasmonic waveguides. <i>Optics Letters</i> , 2009 , 34, 310-2 | 3 | 63 |
| 386 | Dielectric-loaded surface plasmon-polariton waveguides at telecommunication wavelengths: Excitation and characterization. <i>Applied Physics Letters</i> , 2008 , 92, 011124 | 3.4 | 63 |
| 385 | Active plasmonics in WDM traffic switching applications. <i>Scientific Reports</i> , 2012 , 2, 652 | 4.9 | 61 |
| 384 | Long-range dielectric-loaded surface plasmon polariton waveguides operating at telecommunication wavelengths. <i>Optics Letters</i> , 2011 , 36, 4278-80 | 3 | 60 |
| 383 | Spectroscopy and nonlinear microscopy of Au nanoparticle arrays: Experiment and theory. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 60 |
| 382 | Optically Active Organic Microrings. <i>Nano Letters</i> , 2003 , 3, 1311-1314 | 11.5 | 60 |
| 381 | Optical spectroscopy of single Si nanocylinders with magnetic and electric resonances. <i>Scientific Reports</i> , 2014 , 4, 4126 | 4.9 | 59 |
| 380 | Plasmonics for emerging quantum technologies. <i>Nanophotonics</i> , 2017 , 6, 1185-1188 | 6.3 | 58 |
| 379 | Direct Amplitude-Phase Near-Field Observation of Higher-Order Anapole States. <i>Nano Letters</i> , 2017 , 17, 7152-7159 | 11.5 | 57 |
| 378 | Slow-plasmon resonant-nanostrip antennas: Analysis and demonstration. <i>Physical Review B</i> , 2008 , 77, | 3.3 | 57 |
| 377 | Strip and gap plasmon polariton optical resonators. <i>Physica Status Solidi (B): Basic Research</i> , 2008 , 245, 9-19 | 1.3 | 57 |
| 376 | Fundamental limitations in spontaneous emission rate of single-photon sources. <i>Optica</i> , 2016 , 3, 1418 | 8.6 | 57 |

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|-----|---|------|----|
| 375 | Vectorial model for multiple scattering by surface nanoparticles via surface polariton-to-polariton interactions. <i>Physical Review B</i> , 2003 , 67, | 3.3 | 56 |
| 374 | Optical transparency by detuned electrical dipoles. <i>New Journal of Physics</i> , 2011 , 13, 023034 | 2.9 | 55 |
| 373 | Nonlocal response in thin-film waveguides: Loss versus nonlocality and breaking of complementarity. <i>Physical Review B</i> , 2013 , 88, | 3.3 | 54 |
| 372 | Nonlocal response in plasmonic waveguiding with extreme light confinement. <i>Nanophotonics</i> , 2013 , 2, 161-166 | 6.3 | 54 |
| 371 | Bend loss in surface plasmon polariton band-gap structures. <i>Applied Physics Letters</i> , 2001 , 79, 1076-1078 | 3.4 | 54 |
| 370 | Performance of thermo-optic components based on dielectric-loaded surface plasmon polariton waveguides. <i>Scientific Reports</i> , 2013 , 3, | 4.9 | 53 |
| 369 | Point-dipole approximation for surface plasmon polariton scattering: Implications and limitations. <i>Physical Review B</i> , 2005 , 71, | 3.3 | 51 |
| 368 | Plasmon-polariton nano-strip resonators: from visible to infra-red. <i>Optics Express</i> , 2008 , 16, 6867-76 | 3.3 | 50 |
| 367 | Plasmon-Enhanced Generation of Nonclassical Light. <i>ACS Photonics</i> , 2018 , 5, 3447-3451 | 6.3 | 49 |
| 366 | Boosting Local Field Enhancement by on-Chip Nanofocusing and Impedance-Matched Plasmonic Antennas. <i>Nano Letters</i> , 2015 , 15, 8148-54 | 11.5 | 49 |
| 365 | Efficient excitation of dielectric-loaded surface plasmon-polariton waveguide modes at telecommunication wavelengths. <i>Physical Review B</i> , 2008 , 78, | 3.3 | 49 |
| 364 | Compact Z-add-drop wavelength filters for long-range surface plasmon polaritons. <i>Optics Express</i> , 2005 , 13, 4237-43 | 3.3 | 49 |
| 363 | Directional Couplers Using Long-Range Surface Plasmon Polariton Waveguides. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006 , 12, 1233-1241 | 3.8 | 49 |
| 362 | Versatile Polarization Generation and Manipulation Using Dielectric Metasurfaces. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000116 | 8.3 | 49 |
| 361 | Theoretical analysis of gold nano-strip gap plasmon resonators. <i>New Journal of Physics</i> , 2008 , 10, 105008 | 2.9 | 48 |
| 360 | Metal nano-strip optical resonators. <i>Optics Express</i> , 2007 , 15, 4198-204 | 3.3 | 48 |
| 359 | Localization phenomena in elastic surface-polariton scattering caused by surface roughness. <i>Physical Review B</i> , 1996 , 54, 8177-8185 | 3.3 | 48 |
| 358 | Dielectric-loaded plasmonic waveguide components: Going practical. <i>Laser and Photonics Reviews</i> , 2013 , 7, 938-951 | 8.3 | 47 |

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|-----|---|------|----|
| 357 | Stimulated emission of surface plasmon polaritons by lead-sulphide quantum dots at near infra-red wavelengths. <i>Optics Express</i> , 2010 , 18, 18633-41 | 3.3 | 47 |
| 356 | Gap-plasmon nanoantennas and bowtie resonators. <i>Physical Review B</i> , 2012 , 85, | 3.3 | 47 |
| 355 | Phase conjugation of an optical near field. <i>Optics Letters</i> , 1994 , 19, 1601-3 | 3 | 46 |
| 354 | Fiber-coupled dielectric-loaded plasmonic waveguides. <i>Optics Express</i> , 2010 , 18, 5314-9 | 3.3 | 45 |
| 353 | Surface enhanced Raman imaging: periodic arrays and individual metal nanoparticles. <i>Optics Express</i> , 2009 , 17, 12698-705 | 3.3 | 45 |
| 352 | Gap-plasmon based broadband absorbers for enhanced hot-electron and photocurrent generation. <i>Scientific Reports</i> , 2016 , 6, 30650 | 4.9 | 44 |
| 351 | 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 | 4 | 44 |
| 350 | Topographical artifacts and optical resolution in near-field optical microscopy. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997 , 14, 2254 | 1.7 | 43 |
| 349 | Surface plasmon polariton scattering by finite-size nanoparticles. <i>Physical Review B</i> , 2007 , 76, | 3.3 | 43 |
| 348 | Resonant unidirectional and elastic scattering of surface plasmon polaritons by high refractive index dielectric nanoparticles. <i>Physical Review B</i> , 2015 , 92, | 3.3 | 42 |
| 347 | Surface-plasmon polariton resonances in triangular-groove metal gratings. <i>Physical Review B</i> , 2009 , 80, | 3.3 | 42 |
| 346 | Surface-enhanced Raman spectroscopy: nonlocal limitations. <i>Optics Letters</i> , 2012 , 37, 2538-40 | 3 | 42 |
| 345 | 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 | 2.5 | 42 |
| 344 | Photonic bandgap structures for long-range surface plasmon polaritons. <i>Optics Communications</i> , 2005 , 250, 328-333 | 2 | 42 |
| 343 | Spectroscopy and nonlinear microscopy of gold nanoparticle arrays on gold films. <i>Physical Review B</i> , 2007 , 75, | 3.3 | 41 |
| 342 | Computational lens for the near field. <i>Physical Review Letters</i> , 2004 , 92, 163903 | 7.4 | 41 |
| 341 | Transfer functions in collection scanning near-field optical microscopy. <i>Optics Communications</i> , 1999 , 172, 171-179 | 2 | 41 |
| 340 | Ultrabright Linearly Polarized Photon Generation from a Nitrogen Vacancy Center in a Nanocube Dimer Antenna. <i>Nano Letters</i> , 2017 , 17, 3889-3895 | 11.5 | 39 |

- 339 Hybrid Plasmonic Bullseye Antennas for Efficient Photon Collection. *ACS Photonics*, **2018**, 5, 692-698 6.3 39
- 338 Far- and near-field second-harmonic imaging of ferroelectric domain walls. *Optics Communications*, **1998**, 152, 221-224 2 39
- 337 Surface plasmon polariton scattering by small ellipsoid particles. *Surface Science*, **2005**, 590, 173-180 1.8 39
- 336 External-reflection near-field optical microscope with cross-polarized detection. *Applied Optics*, **1994**, 33, 876-80 1.7 39
- 335 Direct characterization of plasmonic slot waveguides and nanocouplers. *Nano Letters*, **2014**, 14, 3925-9 11.5 38
- 334 Splitting of a surface plasmon polariton beam by chains of nanoparticles. *Applied Physics B: Lasers and Optics*, **2006**, 84, 29-34 1.9 38
- 333 Nonlocal study of ultimate plasmon hybridization. *Optics Letters*, **2015**, 40, 839-42 3 37
- 332 Adiabatic nanofocusing of channel plasmon polaritons. *Optics Letters*, **2010**, 35, 541-3 3 37
- 331 Metasurface-Enabled Generation of Circularly Polarized Single Photons. *Advanced Materials*, **2020**, 32, e1907832 24 36
- 330 Random-phase metasurfaces at optical wavelengths. *Scientific Reports*, **2016**, 6, 28448 4.9 36
- 329 Loss compensation in long-range dielectric-loaded surface plasmon-polariton waveguides. *Optics Express*, **2011**, 19, 25298-311 3.3 36
- 328 Interfacing Dielectric-Loaded Plasmonic and Silicon Photonic Waveguides: Theoretical Analysis and Experimental Demonstration. *IEEE Journal of Quantum Electronics*, **2012**, 48, 678-687 2 35
- 327 Gold Photoluminescence Wavelength and Polarization Engineering. *ACS Photonics*, **2015**, 2, 432-438 6.3 35
- 326 Refracting surface plasmon polaritons with nanoparticle arrays. *Optics Express*, **2008**, 16, 3924-30 3.3 35
- 325 Theoretical analysis of ridge gratings for long-range surface plasmon polaritons. *Physical Review B*, **2006**, 73, 3.3 35
- 324 Compact gradual bends for channel plasmon polaritons. *Optics Express*, **2006**, 14, 4494-503 3.3 35
- 323 Near-Field Optical Holography. *Physical Review Letters*, **1996**, 77, 3351-3354 7.4 35
- 322 Control of the tip-surface distance in near-field optical microscopy. *Applied Optics*, **1993**, 32, 4864-8 1.7 35

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|-----|---|------|----|
| 321 | On-Chip Detection of Optical Spin-Orbit Interactions in Plasmonic Nanocircuits. <i>Nano Letters</i> , 2019 , 19, 1166-1171 | 11.5 | 34 |
| 320 | Generation of diffraction-free plasmonic beams with one-dimensional Bessel profiles. <i>Optics Letters</i> , 2013 , 38, 905-7 | 3 | 34 |
| 319 | Plasmonic metasurfaces for waveguiding and field enhancement. <i>Laser and Photonics Reviews</i> , 2009 , 3, 575-590 | 8.3 | 34 |
| 318 | Field enhancement and extraordinary optical transmission by tapered periodic slits in gold films. <i>New Journal of Physics</i> , 2011 , 13, 063029 | 2.9 | 34 |
| 317 | Partial loss compensation in dielectric-loaded plasmonic waveguides at near infra-red wavelengths. <i>Optics Express</i> , 2012 , 20, 7771-6 | 3.3 | 34 |
| 316 | Backward and forward modes guided by metal-dielectric-metal plasmonic waveguides. <i>Journal of Nanophotonics</i> , 2010 , 4, 043509 | 1.1 | 33 |
| 315 | Correlation between optical and topographical images from an external reflection near-field microscope with shear force feedback. <i>Applied Optics</i> , 1995 , 34, 3793-9 | 1.7 | 33 |
| 314 | Highly Stable Monocrystalline Silver Clusters for Plasmonic Applications. <i>Langmuir</i> , 2017 , 33, 6062-6070 | 4 | 32 |
| 313 | Gap-Surface Plasmon Metasurfaces for Broadband Circular-to-Linear Polarization Conversion and Vector Vortex Beam Generation. <i>Advanced Optical Materials</i> , 2019 , 7, 1801414 | 8.1 | 32 |
| 312 | Bend loss for channel plasmon polaritons. <i>Applied Physics Letters</i> , 2006 , 89, 143108 | 3.4 | 32 |
| 311 | Laser Writing of Bright Colors on Near-Percolation Plasmonic Reflector Arrays. <i>ACS Nano</i> , 2019 , 13, 71-77 | 6.7 | 32 |
| 310 | Waveguide Metacouplers for In-Plane Polarimetry. <i>Physical Review Applied</i> , 2016 , 5, | 4.3 | 31 |
| 309 | Efficient thermo-optically controlled Mach-Zhender interferometers using dielectric-loaded plasmonic waveguides. <i>Optics Express</i> , 2012 , 20, 16300 | 3.3 | 31 |
| 308 | Channel plasmon polariton propagation in nanoimprinted V-groove waveguides. <i>Optics Letters</i> , 2008 , 33, 2800-2 | 3 | 31 |
| 307 | Surface plasmon polariton guiding by chains of nanoparticles. <i>Laser Physics Letters</i> , 2006 , 3, 396-400 | 1.5 | 31 |
| 306 | Self-consistent model for second-harmonic near-field microscopy. <i>Physical Review B</i> , 2000 , 61, 11139-11150 | 3.5 | 31 |
| 305 | Ultrafast quantum photonics enabled by coupling plasmonic nanocavities to strongly radiative antennas. <i>Optica</i> , 2020 , 7, 463 | 8.6 | 31 |
| 304 | 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 | 1.7 | 30 |

| | | | |
|-----|---|------|----|
| 303 | 0.48Tb/s (12x40Gb/s) WDM transmission and high-quality thermo-optic switching in dielectric loaded plasmonics. <i>Optics Express</i> , 2012 , 20, 7655-62 | 3.3 | 30 |
| 302 | Multiple-scattering dipole approach to modeling of surface plasmon polariton band gap structures. <i>Optics Communications</i> , 2001 , 198, 241-245 | 2 | 30 |
| 301 | Efficient excitation of channel plasmons in tailored, UV-lithography-defined V-grooves. <i>Nano Letters</i> , 2014 , 14, 1659-64 | 11.5 | 29 |
| 300 | Near-field optical microscopy of nonlinear susceptibilities. <i>Optics Communications</i> , 1998 , 150, 49-55 | 2 | 29 |
| 299 | Modulation of surface plasmon coupling-in by one-dimensional surface corrugation. <i>New Journal of Physics</i> , 2008 , 10, 033035 | 2.9 | 29 |
| 298 | Integrated power monitor for long-range surface plasmon polaritons. <i>Optics Communications</i> , 2005 , 255, 51-56 | 2 | 29 |
| 297 | Optical diamagnetic polarizability of a mesoscopic metallic sphere: transverse self-field approach. <i>Optics Communications</i> , 1993 , 102, 238-244 | 2 | 29 |
| 296 | Gap-surface plasmon metasurfaces for linear-polarization conversion, focusing, and beam splitting. <i>Photonics Research</i> , 2020 , 8, 707 | 6 | 29 |
| 295 | Thermo-optic microring resonator switching elements made of dielectric-loaded plasmonic waveguides. <i>Journal of Applied Physics</i> , 2011 , 109, 073111 | 2.5 | 28 |
| 294 | 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 | 1.7 | 28 |
| 293 | Focused vortex-beam generation using gap-surface plasmon metasurfaces. <i>Nanophotonics</i> , 2020 , 9, 371-378 | 3.3 | 28 |
| 292 | Spoof surface plasmon-based stripe antennas with extreme field enhancement in the terahertz regime. <i>Optics Letters</i> , 2015 , 40, 2533-6 | 3 | 27 |
| 291 | Demonstration of slow sound propagation and acoustic transparency with a series of detuned resonators. <i>Physical Review B</i> , 2014 , 89, | 3.3 | 27 |
| 290 | Experimental demonstration of dielectric-loaded plasmonic waveguide disk resonators at telecom wavelengths. <i>Applied Physics Letters</i> , 2011 , 98, 161102 | 3.4 | 27 |
| 289 | Design and Characterization of Dielectric-Loaded Plasmonic Directional Couplers. <i>Journal of Lightwave Technology</i> , 2009 , 27, 5521-5528 | 4 | 27 |
| 288 | Statistics of local field intensity enhancements at nanostructured surfaces investigated with a near-field optical microscope. <i>Physical Review B</i> , 2001 , 64, | 3.3 | 27 |
| 287 | Hot-Spot Engineering in 3D Multi-Branched Nanostructures: Ultrasensitive Substrates for Surface-Enhanced Raman Spectroscopy. <i>Advanced Optical Materials</i> , 2017 , 5, 1600836 | 8.1 | 26 |
| 286 | Chip-integrated plasmonic cavity-enhanced single nitrogen-vacancy center emission. <i>Nanoscale</i> , 2017 , 9, 17902-17908 | 7.7 | 26 |

| | | | |
|-----|--|------|----|
| 285 | A Review of Unidirectional Surface Plasmon Polariton Metacouplers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2019 , 25, 1-11 | 3.8 | 26 |
| 284 | Plasmonic black metals by broadband light absorption in ultra-sharp convex grooves. <i>New Journal of Physics</i> , 2013 , 15, 073007 | 2.9 | 26 |
| 283 | Channel plasmon polaritons guided by graded gaps: closed-form solutions. <i>Optics Express</i> , 2009 , 17, 10327-34 | 3.3 | 26 |
| 282 | Microscopy of localized second-harmonic enhancement in random metal nanostructures. <i>Physical Review B</i> , 2004 , 69, | 3.3 | 26 |
| 281 | Observation of propagation of surface plasmon polaritons along line defects in a periodically corrugated metal surface. <i>Optics Letters</i> , 2001 , 26, 734-6 | 3 | 26 |
| 280 | Direct Characterization of Near-Field Coupling in Gap Plasmon-Based Metasurfaces. <i>Nano Letters</i> , 2018 , 18, 6265-6270 | 11.5 | 26 |
| 279 | Quantum Emitters near Layered Plasmonic Nanostructures: Decay Rate Contributions. <i>ACS Photonics</i> , 2015 , 2, 228-236 | 6.3 | 25 |
| 278 | Gap surface plasmon waveguides with enhanced integration and functionality. <i>Nano Letters</i> , 2012 , 12, 359-63 | 11.5 | 25 |
| 277 | Power monitoring in dielectric-loaded surface plasmon-polariton waveguides. <i>Optics Express</i> , 2011 , 19, 2972-8 | 3.3 | 25 |
| 276 | Extraordinary optical transmission with tapered slits: effect of higher diffraction and slit resonance orders. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 130 | 1.7 | 25 |
| 275 | Analytic description of channel plasmon polaritons. <i>Optics Letters</i> , 2009 , 34, 2039-41 | 3 | 25 |
| 274 | Surface enhanced Raman microscopy with metal nanoparticle arrays. <i>Journal of Optics</i> , 2009 , 11, 075004 | | 25 |
| 273 | Channelling surface plasmons. <i>Applied Physics A: Materials Science and Processing</i> , 2007 , 89, 225-231 | 2.6 | 25 |
| 272 | Direct mapping of light propagation in photonic crystal waveguides. <i>Optics Communications</i> , 2002 , 212, 51-55 | 2 | 25 |
| 271 | Macroscopic self-consistent model for external-reflection near-field microscopy. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1993 , 10, 878 | 1.8 | 25 |
| 270 | Optical properties of spherical gold mesoparticles. <i>Applied Physics B: Lasers and Optics</i> , 2012 , 106, 841-848 | 3.9 | 24 |
| 269 | Two-photon mapping of localized field enhancements in thin nanostrip antennas. <i>Optics Express</i> , 2008 , 16, 17302-9 | 3.3 | 24 |
| 268 | Influence of the filling factor on the spectral properties of plasmonic crystals. <i>Physical Review B</i> , 2006 , 74, | 3.3 | 24 |

- 267 Poling of silica with silver-containing electrodes. *Electronics Letters*, **2000**, 36, 1635 1.1 24
- 266 Dynamic piezoelectric MEMS-based optical metasurfaces. *Science Advances*, **2021**, 7, 14.3 24
- 265 White Light Generation and Anisotropic Damage in Gold Films near Percolation Threshold. *ACS Photonics*, **2017**, 4, 1207-1215 6.3 23
- 264 On the applicability of quantum-optical concepts in strong-coupling nanophotonics. *Reports on Progress in Physics*, **2020**, 83, 082401 14.4 23
- 263 Data Transmission and Thermo-Optic Tuning Performance of Dielectric-Loaded Plasmonic Structures Hetero-Integrated on a Silicon Chip. *IEEE Photonics Technology Letters*, **2012**, 24, 374-376 2.2 23
- 262 High resolution imaging of few-layer graphene. *Journal of Applied Physics*, **2012**, 111, 064305 2.5 23
- 261 Near-field radiative heat transfer between metasurfaces: A full-wave study based on two-dimensional grooved metal plates. *Physical Review B*, **2016**, 94, 3.3 23
- 260 Metasurface-Based Polarimeters. *Applied Sciences (Switzerland)*, **2018**, 8, 594 2.6 23
- 259 Experimental demonstration of CMOS-compatible long-range dielectric-loaded surface plasmon-polariton waveguides (LR-DLSPPWs). *Optics Express*, **2014**, 22, 22009-17 3.3 22
- 258 Thermo-optic control of dielectric-loaded plasmonic Mach-Zehnder interferometers and directional coupler switches. *Nanotechnology*, **2012**, 23, 444008 3.4 22
- 257 Tuning affinity and reversibility for O₂ binding in dinuclear Co(II) complexes. *Dalton Transactions*, **2013**, 42, 9921-9 4.3 22
- 256 Detuned-resonator induced transparency in dielectric-loaded plasmonic waveguides. *Optics Letters*, **2013**, 38, 875-7 3 22
- 255 Surface-enhanced Raman imaging of fractal shaped periodic metal nanostructures. *Journal of the Optical Society of America B: Optical Physics*, **2009**, 26, 2370 1.7 22
- 254 Near-field imaging of surface plasmon-polariton guiding in band gap structures at telecom wavelengths. *Optics Express*, **2005**, 13, 3303-9 3.3 22
- 253 Scattered light enhancement near a phase conjugating mirror. *Optics Communications*, **1995**, 115, 115-120 2.2
- 252 Fractal surface characterization: implications for plasmon polariton scattering. *Surface Science*, **1996**, 356, 268-274 1.8 22
- 251 Imaging with reflection near-field optical microscope: contributions of middle and far fields. *Optics Communications*, **1996**, 130, 337-347 2 22
- 250 Extension of the macroscopic model for reflection near-field microscopy: regularization and image formation. *Journal of the Optical Society of America A: Optics and Image Science, and Vision*, **1994**, 11, 609 1.8 22

| | | | |
|-----|--|-----|----|
| 249 | Optical Gap-Surface Plasmon Metasurfaces for Spin-Controlled Surface Plasmon Excitation and Anomalous Beam Steering. <i>ACS Photonics</i> , 2020 , 7, 1849-1856 | 6.3 | 21 |
| 248 | Identification of abnormal stem cells using Raman spectroscopy. <i>Stem Cells and Development</i> , 2012 , 21, 2152-9 | 4.4 | 21 |
| 247 | Theoretical analysis of plasmonic black gold: periodic arrays of ultra-sharp grooves. <i>New Journal of Physics</i> , 2013 , 15, 013034 | 2.9 | 21 |
| 246 | Localized field enhancements in fractal shaped periodic metal nanostructures. <i>Optics Express</i> , 2007 , 15, 15234-41 | 3.3 | 21 |
| 245 | Second-harmonic scanning optical microscopy of individual nanostructures. <i>Physical Review B</i> , 2002 , 65, | 3.3 | 21 |
| 244 | Near-field nonlinear optical spectroscopy of LangmuirBlodgett films. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1998 , 15, 2156 | 1.8 | 21 |
| 243 | Metasurface-enabled broadband beam splitters integrated with quarter-wave plate functionality. <i>Nanoscale</i> , 2020 , 12, 14106-14111 | 7.7 | 20 |
| 242 | Relaxation dynamics of a quantum emitter resonantly coupled to a metal nanoparticle. <i>Optics Letters</i> , 2014 , 39, 1617-20 | 3 | 20 |
| 241 | 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, 061108 | 3.4 | 20 |
| 240 | Entanglement of two qubits mediated by a localized surface plasmon. <i>Physical Review B</i> , 2015 , 92, | 3.3 | 20 |
| 239 | Effective constitutive parameters of plasmonic metamaterials: homogenization by dual field interpolation. <i>Physical Review E</i> , 2011 , 84, 016609 | 2.4 | 20 |
| 238 | Plasmonic black-hole: broadband omnidirectional absorber of gap surface plasmons. <i>Optics Letters</i> , 2011 , 36, 4311-3 | 3 | 20 |
| 237 | Theoretical analysis of finite-size surface plasmon polariton band-gap structures. <i>Physical Review B</i> , 2005 , 71, | 3.3 | 20 |
| 236 | Near-infrared tailored thermal emission from wafer-scale continuous-film resonators. <i>Optics Express</i> , 2015 , 23, A1111-9 | 3.3 | 19 |
| 235 | Hybrid plasmonic waveguides formed by metal coating of dielectric ridges. <i>Optics Express</i> , 2017 , 25, 12295-12302 | 3.5 | 19 |
| 234 | Near-field imaging of organic nanofibres. <i>Journal of Microscopy</i> , 2004 , 215, 241-4 | 1.9 | 19 |
| 233 | Two-photon mapping of local molecular orientations in hexaphenyl nanofibers. <i>Optics Communications</i> , 2004 , 237, 423-429 | 2 | 19 |
| 232 | Near-field characterization of low-loss photonic crystal waveguides. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 19 |

| | | | |
|-----|--|------|----|
| 231 | Near-field imaging of pyramid-like nanoparticles at a surface. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2001 , 11, 323-331 | 3 | 19 |
| 230 | 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 | 1.8 | 19 |
| 229 | Electron energy-loss spectroscopy of branched gap plasmon resonators. <i>Nature Communications</i> , 2016 , 7, 13790 | 17.4 | 19 |
| 228 | Extremely Confined Gap-Plasmon Waveguide Modes Excited by Nitrogen-Vacancy Centers in Diamonds. <i>ACS Photonics</i> , 2019 , 6, 23-29 | 6.3 | 19 |
| 227 | Plasmonic monolithic lithium niobate directional coupler switches. <i>Nature Communications</i> , 2020 , 11, 748 | 17.4 | 18 |
| 226 | Dispersion of strongly confined channel plasmon polariton modes. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 1596 | 1.7 | 18 |
| 225 | Organic nanofiber-loaded surface plasmon-polariton waveguides. <i>Optics Express</i> , 2011 , 19, 15155-61 | 3.3 | 18 |
| 224 | Directional coupling in channel plasmon-polariton waveguides. <i>Optics Express</i> , 2012 , 20, 6124-34 | 3.3 | 18 |
| 223 | Modeling of a surface plasmon polariton interferometer. <i>Optics Communications</i> , 2004 , 240, 345-350 | 2 | 18 |
| 222 | 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 | | 18 |
| 221 | Near-field mapping of surface polariton fields. <i>Journal of Microscopy</i> , 2001 , 202, 313-9 | 1.9 | 18 |
| 220 | 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 | 1.8 | 18 |
| 219 | Ultra-thin titanium nitride films for refractory spectral selectivity [Invited]. <i>Optical Materials Express</i> , 2018 , 8, 3717 | 2.6 | 18 |
| 218 | Suppression of near-field coupling in plasmonic antennas on epsilon-near-zero substrates. <i>Optica</i> , 2018 , 5, 1557 | 8.6 | 18 |
| 217 | Excitation of Hybrid Plasmonic Waveguide Modes by Colloidal Quantum Dots. <i>ACS Photonics</i> , 2019 , 6, 1587-1593 | 6.3 | 17 |
| 216 | Second harmonic generation due to surface plasmon localization. <i>Surface Science</i> , 1997 , 377-379, 384-387 | | 17 |
| 215 | Direct observation of surface mode excitation and slow light coupling in photonic crystal waveguides. <i>Nano Letters</i> , 2007 , 7, 2341-5 | 11.5 | 17 |
| 214 | On-chip detection of radiation guided by dielectric-loaded plasmonic waveguides. <i>Nano Letters</i> , 2015 , 15, 476-80 | 11.5 | 16 |

| | | | |
|-----|--|-----|----|
| 213 | Gap plasmon-based phase-amplitude metasurfaces: material constraints [Invited]. <i>Optical Materials Express</i> , 2015 , 5, 2448 | 2.6 | 16 |
| 212 | Power monitoring in dielectric-loaded plasmonic waveguides with internal Wheatstone bridges. <i>Optics Express</i> , 2013 , 21, 5300-8 | 3.3 | 16 |
| 211 | Experimental studies of surface plasmon polariton band gap effect. <i>Journal of Microscopy</i> , 2003 , 210, 324-9 | 1.9 | 16 |
| 210 | Slow-light plasmonic metamaterial based on dressed-state analog of electromagnetically induced transparency. <i>Optics Letters</i> , 2015 , 40, 4253-6 | 3 | 15 |
| 209 | Efficient suppression of radiation damping in resonant retardation-based plasmonic structures. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 15 |
| 208 | Transfer function and near-field detection of evanescent waves. <i>Applied Optics</i> , 2006 , 45, 4054-61 | 1.7 | 15 |
| 207 | High-resolution second-harmonic microscopy of poled silica waveguides. <i>Optics Communications</i> , 2003 , 221, 295-300 | 2 | 15 |
| 206 | Near- and far-field second-harmonic imaging of quasi-phase-matching crystals. <i>Journal of Microscopy</i> , 2001 , 202, 244-9 | 1.9 | 15 |
| 205 | Second-harmonic imaging of poled silica waveguides. <i>Applied Physics Letters</i> , 2000 , 76, 25-27 | 3.4 | 15 |
| 204 | Ultrabroadband super-Planckian radiative heat transfer with artificial continuum cavity states in patterned hyperbolic metamaterials. <i>Physical Review B</i> , 2017 , 95, | 3.3 | 14 |
| 203 | Engineering Nanoparticles with Pure High-Order Multipole Scattering. <i>ACS Photonics</i> , 2020 , 7, 1067-1075 | 5.3 | 14 |
| 202 | Flexible long-range surface plasmon polariton single-mode waveguide for optical interconnects. <i>Optical Materials Express</i> , 2018 , 8, 469 | 2.6 | 14 |
| 201 | Multifunctional Metamirrors for Broadband Focused Vector-Beam Generation. <i>Advanced Optical Materials</i> , 2019 , 7, 1900724 | 8.1 | 14 |
| 200 | Plasmonic black metals via radiation absorption by two-dimensional arrays of ultra-sharp convex grooves. <i>Scientific Reports</i> , 2014 , 4, 6904 | 4.9 | 14 |
| 199 | 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 | 2 | 14 |
| 198 | Near-field characterization of photonic crystal waveguides. <i>Semiconductor Science and Technology</i> , 2006 , 21, R1-R16 | 1.8 | 14 |
| 197 | Optical paramagnetic polarizability of mesoscopic particles: a study of local field corrections. <i>Optics Communications</i> , 1995 , 114, 491-500 | 2 | 14 |
| 196 | Third-order gap plasmon based metasurfaces for visible light. <i>Optics Express</i> , 2017 , 25, 12508-12517 | 3.3 | 13 |

| | | | |
|-----|--|-----|----|
| 195 | Excitation of nanowire surface plasmons by silicon vacancy centers in nanodiamonds. <i>Optical Materials Express</i> , 2017 , 7, 2586 | 2.6 | 13 |
| 194 | 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 | 1.9 | 13 |
| 193 | Calculation of bending losses for highly confined modes of optical waveguides with transformation optics. <i>Optics Letters</i> , 2013 , 38, 1778-80 | 3 | 13 |
| 192 | High-Q plasmonic resonators based on metal split nanocylinders. <i>Physical Review B</i> , 2009 , 80, | 3.3 | 13 |
| 191 | Plasmonic candle: towards efficient nanofocusing with channel plasmon polaritons. <i>New Journal of Physics</i> , 2009 , 11, 113043 | 2.9 | 13 |
| 190 | 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 | | 13 |
| 189 | Modeling of nonlinear microscopy of localized field enhancements in random metal nanostructures. <i>Physical Review B</i> , 2006 , 73, | 3.3 | 13 |
| 188 | Recent Advances in Polarization-Encoded Optical Metasurfaces. <i>Advanced Photonics Research</i> , 2021 , 2, 2000173 | 1.9 | 13 |
| 187 | Universal description of channel plasmons in two-dimensional materials. <i>Optica</i> , 2017 , 4, 595 | 8.6 | 12 |
| 186 | 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 | 2.2 | 12 |
| 185 | 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 | 1.7 | 12 |
| 184 | Mode transformation in waveguiding plasmonic structures. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2011 , 9, 207-212 | 2.6 | 12 |
| 183 | Imaging of surface plasmons with a near-field microscope 1997 , | | 12 |
| 182 | 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 | 1.7 | 12 |
| 181 | Applicability conditions for the dipole approximation in the problems of scattering of surface plasmon polaritons. <i>JETP Letters</i> , 2005 , 81, 218-221 | 1.2 | 12 |
| 180 | Second-harmonic imaging of semiconductor quantum dots. <i>Applied Physics Letters</i> , 2000 , 77, 806-808 | 3.4 | 12 |
| 179 | Second-harmonic scanning optical microscopy of poled silica waveguides. <i>Journal of Applied Physics</i> , 2000 , 88, 3872 | 2.5 | 12 |
| 178 | Coupling of surface-plasmon polaritons to directional far-field radiation by an individual surface protrusion. <i>Applied Optics</i> , 2001 , 40, 6081-5 | 1.7 | 12 |

| | | | |
|-----|--|-----|----|
| 177 | Core-shell particles as efficient broadband absorbers in infrared optical range. <i>Optics Express</i> , 2019 , 27, 17474-17481 | 3.3 | 12 |
| 176 | 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 | 6.3 | 12 |
| 175 | Dual-Band Metasurfaces Using Multiple Gap-Surface Plasmon Resonances. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 1250-1256 | 9.5 | 12 |
| 174 | Spin-Orbit Controlled Excitation of Quantum Emitters in Hybrid Plasmonic Nanocircuits. <i>Advanced Optical Materials</i> , 2020 , 8, 2000854 | 8.1 | 12 |
| 173 | Maximum modulation of plasmon-guided modes by graphene gating. <i>Optics Express</i> , 2016 , 24, 8266-79 | 3.3 | 12 |
| 172 | CMOS-Compatible Long-Range Dielectric-Loaded Plasmonic Waveguides. <i>Journal of Lightwave Technology</i> , 2013 , 31, 3361-3367 | 4 | 11 |
| 171 | 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 | 4 | 11 |
| 170 | Demonstration of scattering suppression in retardation-based plasmonic nanoantennas. <i>Optics Express</i> , 2010 , 18, 14802-11 | 3.3 | 11 |
| 169 | Surface plasmon polariton excitation and manipulation by nanoparticle arrays. <i>Optics Communications</i> , 2009 , 282, 3032-3036 | 2 | 11 |
| 168 | Efficient channel-plasmon excitation by nano-mirrors. <i>Applied Physics Letters</i> , 2011 , 99, 213109 | 3.4 | 11 |
| 167 | Compact on-chip temperature sensors based on dielectric-loaded plasmonic waveguide-ring resonators. <i>Sensors</i> , 2011 , 11, 1992-2000 | 3.8 | 11 |
| 166 | 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 | 1.7 | 11 |
| 165 | Two-photon near-field mapping of local molecular orientations in hexaphenyl nanofibers. <i>Laser Physics Letters</i> , 2005 , 2, 480-484 | 1.5 | 11 |
| 164 | Surface plasmon polariton propagation along a 90° bent line defect in a periodically corrugated metal surface. <i>Optics Communications</i> , 2001 , 196, 41-45 | 2 | 11 |
| 163 | Second-Harmonic Generation Scanning Microscopy on Domains in Al Surfaces. <i>Physica Status Solidi A</i> , 1999 , 175, 201-206 | | 11 |
| 162 | Characterization of near-field optical probes. <i>Applied Optics</i> , 1999 , 38, 1792-7 | 1.7 | 11 |
| 161 | Interference in edge-scattering from monocrystalline gold flakes [Invited]. <i>Optical Materials Express</i> , 2018 , 8, 3688 | 2.6 | 11 |
| 160 | Near-field characterization of bound plasmonic modes in metal strip waveguides. <i>Optics Express</i> , 2016 , 24, 4582-4590 | 3.3 | 11 |

| | | | |
|-----|--|-----|----|
| 159 | On-Chip Spectropolarimetry by Fingerprinting with Random Surface Arrays of Nanoparticles. <i>ACS Photonics</i> , 2018 , 5, 1703-1710 | 6.3 | 10 |
| 158 | Optical reconfiguration and polarization control in semi-continuous gold films close to the percolation threshold. <i>Nanoscale</i> , 2017 , 9, 12014-12024 | 7.7 | 10 |
| 157 | Near-field mapping of surface refractive-index distributions. <i>Laser Physics Letters</i> , 2005 , 2, 440-444 | 1.5 | 10 |
| 156 | Resonant field enhancement by a finite-size periodic array of surface scatterers. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 3001-3010 | 1.8 | 10 |
| 155 | Direct writing in polymethyl methacrylate films using near-ultraviolet light of Ar ⁺ laser. <i>Journal of Applied Physics</i> , 1992 , 71, 2030-2032 | 2.5 | 10 |
| 154 | Enhancement of two-photon photoluminescence and SERS for low-coverage gold films. <i>Optics Express</i> , 2016 , 24, 16743-51 | 3.3 | 10 |
| 153 | Detection of internal fields in double-metal terahertz resonators. <i>Applied Physics Letters</i> , 2017 , 110, 061109 | 1.9 | 9 |
| 152 | Ultracompact and Low-Power Plasmonic MZI Switch Using Cyclomer Loading. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 963-966 | 2.2 | 9 |
| 151 | Surface plasmon polariton excitation by second harmonic generation in single organic nanofibers. <i>Optics Express</i> , 2015 , 23, 16356-63 | 3.3 | 9 |
| 150 | Fractal Shaped Periodic Metal Nanostructures Atop Dielectric-Metal Substrates for SERS Applications. <i>ACS Photonics</i> , 2020 , 7, 1708-1715 | 6.3 | 9 |
| 149 | Plasmonic channel waveguides in random arrays of metallic nanoparticles. <i>Optics Express</i> , 2016 , 24, 17080-9 | 3.9 | 9 |
| 148 | Detuned electrical dipoles metamaterial with bianisotropic response. <i>Physical Review B</i> , 2011 , 83, | 3.3 | 9 |
| 147 | Local excitation of surface plasmon polaritons by second-harmonic generation in crystalline organic nanofibers. <i>Optics Express</i> , 2012 , 20, 16715 | 3.3 | 9 |
| 146 | Adiabatic bends in surface plasmon polariton band gap structures. <i>Optics Express</i> , 2006 , 14, 4107-14 | 3.3 | 9 |
| 145 | Second-harmonic scanning optical microscopy of semiconductor quantum dots. <i>Optics Communications</i> , 2001 , 189, 305-311 | 2 | 9 |
| 144 | Reflection second-harmonic microscopy of individual semiconductor microstructures. <i>Journal of Applied Physics</i> , 2001 , 90, 6357-6362 | 2.5 | 9 |
| 143 | Near-field imaging of the interference pattern of counterpropagating evanescent waves. <i>Optics Letters</i> , 1999 , 24, 747-9 | 3 | 9 |
| 142 | Study of shear force technique for near-field microscopy with an uncoated fiber tip. <i>Ultramicroscopy</i> , 1995 , 61, 207-213 | 3.1 | 9 |

| | | | |
|-----|---|------|---|
| 141 | Use of monocrystalline gold flakes for gap plasmon-based metasurfaces operating in the visible. <i>Optical Materials Express</i> , 2019 , 9, 4209 | 2.6 | 9 |
| 140 | Coupling of nitrogen-vacancy centers in a nanodiamond to a silver nanocube. <i>Optical Materials Express</i> , 2016 , 6, 3394 | 2.6 | 9 |
| 139 | Efficient interfacing photonic and long-range dielectric-loaded plasmonic waveguides. <i>Optics Express</i> , 2015 , 23, 9100-8 | 3.3 | 8 |
| 138 | Light extinction and scattering from individual and arrayed high-aspect-ratio trenches in metals. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 8 |
| 137 | Wide-bandwidth polarization-independent optical band-stop filter based on plasmonic nanoantennas. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 110, 71-75 | 2.6 | 8 |
| 136 | Polarization-resolved two-photon luminescence microscopy of V-groove arrays. <i>Optics Express</i> , 2012 , 20, 654-62 | 3.3 | 8 |
| 135 | Tuning surface plasmons in interconnected hemispherical Au shells. <i>Optics Express</i> , 2012 , 20, 534-46 | 3.3 | 8 |
| 134 | Near/Far-Field Investigations of the Interaction between Surface Waves and Nanoparticles. <i>Physica Status Solidi (B): Basic Research</i> , 2002 , 229, 1283-1294 | 1.3 | 8 |
| 133 | Room-temperature on-chip orbital angular momentum single-photon sources.. <i>Science Advances</i> , 2022 , 8, eabk3075 | 14.3 | 8 |
| 132 | Full-range birefringence control with piezoelectric MEMS-based metasurfaces.. <i>Nature Communications</i> , 2022 , 13, 2071 | 17.4 | 8 |
| 131 | Topological nanophotonics. <i>Nanophotonics</i> , 2019 , 8, 1315-1317 | 6.3 | 7 |
| 130 | Nanofocusing in circular sector-like nanoantennas. <i>Optics Express</i> , 2014 , 22, 10341-50 | 3.3 | 7 |
| 129 | Directional coupling in long-range dielectric-loaded plasmonic waveguides. <i>Optics Express</i> , 2013 , 21, 8799-807 | 3.3 | 7 |
| 128 | Plasmonic black gold based broadband polarizers for ultra-short laser pulses. <i>Applied Physics Letters</i> , 2013 , 103, 211102 | 3.4 | 7 |
| 127 | Demonstration of Laser-Fabricated DLSPPW at Telecom Wavelength. <i>IEEE Photonics Journal</i> , 2010 , 2, 652-658 | 1.8 | 7 |
| 126 | Theoretical analysis and experimental demonstration of resonant light scattering from metal nanostrips on quartz. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 121 | 1.7 | 7 |
| 125 | Focus on Plasmonics. <i>New Journal of Physics</i> , 2008 , 10, 105001 | 2.9 | 7 |
| 124 | Surface plasmon polariton waveguiding in random surface nanostructures. <i>Journal of Microscopy</i> , 2003 , 209, 209-13 | 1.9 | 7 |

| | | | |
|-----|---|-----|---|
| 123 | Diagram method for exact solution of the problem of scanning near-field microscopy. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2001 , 90, 416-425 | 0.7 | 7 |
| 122 | Optical characterization of probes for photon scanning tunnelling microscopy. <i>Journal of Microscopy</i> , 1999 , 194, 311-6 | 1.9 | 7 |
| 121 | Efficient broadband infrared absorbers based on core-shell nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019 , 36, 2643 | 1.7 | 7 |
| 120 | Compact wavelength add-drop multiplexers using Bragg gratings in coupled dielectric-loaded plasmonic waveguides. <i>Optics Letters</i> , 2015 , 40, 2429-32 | 3 | 6 |
| 119 | Relaxation dynamics of a quantum emitter resonantly coupled to a coherent state of a localized surface plasmon. <i>Faraday Discussions</i> , 2015 , 178, 295-306 | 3.6 | 6 |
| 118 | Enhanced nonresonant light transmission through subwavelength slits in metal. <i>Optics Letters</i> , 2016 , 41, 242-5 | 3 | 6 |
| 117 | Highly confined gap surface plasmon modes in metal strip-gap film configurations. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015 , 32, 462 | 1.7 | 6 |
| 116 | Experimental determination of the refractive index of metamaterials. <i>Journal of Optics (United Kingdom)</i> , 2011 , 13, 055106 | 1.7 | 6 |
| 115 | Near-field optical microscopy with a phase-conjugating mirror. <i>Optics Communications</i> , 1998 , 148, 331-337 | | 6 |
| 114 | Near-field imaging of light diffraction out of slab waveguides. <i>Laser Physics Letters</i> , 2004 , 1, 311-316 | 1.5 | 6 |
| 113 | Near-field imaging of optical phase and its singularities. <i>Optics Communications</i> , 2002 , 212, 217-223 | 2 | 6 |
| 112 | Near-field characterization of planar photonic-crystal-waveguide structures. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2004 , 362, 757-69 | 3 | 6 |
| 111 | Experimental statistics of near-field intensity distributions at nanostructured surfaces. <i>Journal of Microscopy</i> , 2001 , 202, 136-41 | 1.9 | 6 |
| 110 | Near-field optical microscopy of localized excitations on rough surfaces: influence of a probe. <i>Journal of Microscopy</i> , 1999 , 194, 561-6 | 1.9 | 6 |
| 109 | Polarization contrast in reflection near-field optical microscopy with uncoated fibre tips. <i>Journal of Microscopy</i> , 1999 , 194, 500-6 | 1.9 | 6 |
| 108 | Characterization of phase-conjugated near-field light spots. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1995 , 12, 1617 | 1.7 | 6 |
| 107 | Dynamics of ablation of polymethyl methacrylate films by near ultraviolet light of an Ar ⁺ laser. <i>Journal Physics D: Applied Physics</i> , 1994 , 27, 19-24 | 3 | 6 |
| 106 | Demonstration of $> 2\pi$ reflection phase range in optical metasurfaces based on detuned gap-surface plasmon resonators. <i>Scientific Reports</i> , 2020 , 10, 19031 | 4.9 | 6 |

| | | | |
|-----|--|------|---|
| 105 | Unprecedented Thermal Stability of Plasmonic Titanium Nitride Films up to 1400 °C. <i>Advanced Optical Materials</i> , 2021 , 9, 2100323 | 8.1 | 6 |
| 104 | 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 | 3.9 | 6 |
| 103 | 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 | 6.3 | 5 |
| 102 | Optics of a single ultrasharp groove in metal. <i>Optics Letters</i> , 2016 , 41, 2903-6 | 3 | 5 |
| 101 | Data transmission in long-range dielectric-loaded surface plasmon polariton waveguides. <i>Optics Express</i> , 2014 , 22, 26742-51 | 3.3 | 5 |
| 100 | Fiber-pigtailed temperature sensors based on dielectric-loaded plasmonic waveguide-ring resonators. <i>Optics Express</i> , 2011 , 19, 26423-8 | 3.3 | 5 |
| 99 | Two-photon luminescence microscopy of large-area gold nanostructures on templates of anodized aluminum. <i>Optics Express</i> , 2010 , 18, 17040-52 | 3.3 | 5 |
| 98 | 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 | 1.8 | 5 |
| 97 | Near-field probing of photonic crystal directional couplers. <i>Laser Physics Letters</i> , 2006 , 3, 288-292 | 1.5 | 5 |
| 96 | Self-consistent description of electrodynamic interaction between two spheres: implications for near-field resonant interactions. <i>Journal of Physics Condensed Matter</i> , 2002 , 14, 13597-13607 | 1.8 | 5 |
| 95 | Image Formation in Second-Harmonic Near-Field Microscopy. <i>Physica Status Solidi A</i> , 1999 , 175, 331-336 | | 5 |
| 94 | Functional Metasurface Quarter-Wave Plates for Simultaneous Polarization Conversion and Beam Steering. <i>ACS Nano</i> , 2021 , | 16.7 | 5 |
| 93 | Dual-Functional Optical Waveplates Based on Gap-Surface Plasmon Metasurfaces. <i>Advanced Optical Materials</i> , 2021 , 9, 2002253 | 8.1 | 5 |
| 92 | Directional off-Normal Photon Streaming from Hybrid Plasmon-Emitter Coupled Metasurfaces. <i>ACS Photonics</i> , 2020 , 7, 1111-1116 | 6.3 | 5 |
| 91 | Dynamics of a quantum emitter resonantly coupled to both external field and localized surface plasmon. <i>Physical Review B</i> , 2018 , 97, | 3.3 | 4 |
| 90 | Scaling in light scattering by sharp conical metal tips. <i>Optics Letters</i> , 2014 , 39, 3308-11 | 3 | 4 |
| 89 | Surface-enhanced Raman microscopy of hemispherical shells stripped from templates of anodized aluminum. <i>Journal of Raman Spectroscopy</i> , 2012 , 43, 834-341 | 2.3 | 4 |
| 88 | Tb/s switching fabrics for optical interconnects using heterointegration of plasmonics and silicon photonics: The FP7 PLATON approach 2010 , | | 4 |

| | | | |
|----|---|-----|---|
| 87 | Metal split-cylinder resonators for plasmonic nanosensing. <i>Journal of Optics (United Kingdom)</i> , 2011 , 13, 095001 | 1.7 | 4 |
| 86 | Ultrafocusing of surface plasmon-polariton in a narrowing concave gap. <i>Journal of Contemporary Physics</i> , 2010 , 45, 302-306 | 0.5 | 4 |
| 85 | Two-photon mapping of molecular orientations in hexaphenyl microrings. <i>Laser Physics Letters</i> , 2004 , 1, 264-268 | 1.5 | 4 |
| 84 | Second-harmonic near-field optical microscopy of periodic nanoholes in metal films. <i>Laser Physics Letters</i> , 2004 , 1, 592-597 | 1.5 | 4 |
| 83 | Local excitation of surface plasmon polaritons in random surface nanostructures. <i>Optics Communications</i> , 2003 , 223, 25-29 | 2 | 4 |
| 82 | Near-field optical microscopy of fractal structures. <i>Nanotechnology</i> , 1999 , 10, 108-112 | 3.4 | 4 |
| 81 | 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 | 1.8 | 4 |
| 80 | Electrical Tuning of Fresnel Lens in Reflection. <i>ACS Photonics</i> , 2021 , 8, 1576-1581 | 6.3 | 4 |
| 79 | Ultra-broadband microwave metasurfaces for polarizer and beam splitting. <i>Europhysics Letters</i> , 2019 , 128, 47003 | 1.6 | 4 |
| 78 | Spectrally selective emitters based on 3D Mo nanopillars for thermophotovoltaic energy harvesting. <i>Materials Today Physics</i> , 2021 , 21, 100503 | 8 | 4 |
| 77 | Quantum plasmonics, gain and spasers: general discussion. <i>Faraday Discussions</i> , 2015 , 178, 325-34 | 3.6 | 3 |
| 76 | Local excitation of surface plasmon polaritons using nitrogen-vacancy centers. <i>Optics Letters</i> , 2015 , 40, 3830-3 | 3 | 3 |
| 75 | Ultra-compact branchless plasmonic interferometers. <i>Nanoscale</i> , 2018 , 10, 16178-16183 | 7.7 | 3 |
| 74 | Phase-shifted response of plasmonic nanostructures: Implications to luminescence upconversion. <i>Journal of Luminescence</i> , 2017 , 192, 595-598 | 3.8 | 3 |
| 73 | Thermophotovoltaics: Large-Area Ultrabroadband Absorber for Solar Thermophotovoltaics Based on 3D Titanium Nitride Nanopillars (Advanced Optical Materials 22/2017). <i>Advanced Optical Materials</i> , 2017 , 5, | 8.1 | 3 |
| 72 | Efficient suppression of radiation damping in individual plasmonic resonators: towards high-Q nano-volume sensing. <i>Annalen Der Physik</i> , 2012 , 524, 253-272 | 2.6 | 3 |
| 71 | Two-photon imaging of field enhancement by groups of gold nanostrip antennas. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 2199 | 1.7 | 3 |
| 70 | Topography characterization of a deep grating using near-field imaging. <i>Applied Optics</i> , 2006 , 45, 117-211.7 | | 3 |

| | | | |
|----|---|-----|---|
| 69 | Vectorial modeling of near-field imaging with uncoated fiber probes: transfer function and resolving power. <i>Applied Optics</i> , 2006 , 45, 8739-47 | 1.7 | 3 |
| 68 | Out-of-plane scattering properties of long-range surface plasmon polariton gratings. <i>Physica Status Solidi (B): Basic Research</i> , 2005 , 242, 3064-3069 | 1.3 | 3 |
| 67 | Comment on "Local observations of phase singularities in optical fields in waveguide structures". <i>Physical Review Letters</i> , 2001 , 87, 259401 | 7.4 | 3 |
| 66 | Direct observation of strong localization of quasi-two-dimensional light waves. <i>Annalen Der Physik</i> , 1999 , 8, 717-726 | 2.6 | 3 |
| 65 | Regularization in the macroscopic self-consistent model for near-field microscopy. <i>Ultramicroscopy</i> , 1995 , 61, 35-41 | 3.1 | 3 |
| 64 | 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 | 2.6 | 3 |
| 63 | Bragg diffraction of light by a set of parallel phase gratings: Analysis and applications. <i>Optical and Quantum Electronics</i> , 1989 , 21, 397-407 | 2.4 | 3 |
| 62 | Measurement of effective index fluctuations in Ti:LiNbO3 waveguides using cherenkov second-harmonic. <i>Optics Communications</i> , 1989 , 69, 239-242 | 2 | 3 |
| 61 | Polarization control of colors in resonant evanescent field scattering by silicon nanodisks [Invited]. <i>Optical Materials Express</i> , 2019 , 9, 151 | 2.6 | 3 |
| 60 | Plasmonic color printing based on third-order gap surface plasmons [Invited]. <i>Optical Materials Express</i> , 2019 , 9, 717 | 2.6 | 3 |
| 59 | Generation of Radially Polarized Single Photons with Plasmonic Bullseye Antennas. <i>ACS Photonics</i> , 2021 , 8, 2190-2196 | 6.3 | 3 |
| 58 | Surface plasmon enhanced spectroscopies and time and space resolved methods: general discussion. <i>Faraday Discussions</i> , 2015 , 178, 253-79 | 3.6 | 2 |
| 57 | Excitation of surface plasmon polariton modes with multiple nitrogen vacancy centers in single nanodiamonds. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 024002 | 1.7 | 2 |
| 56 | Scanning differential microscopy for characterization of reflecting phase-gradient metasurfaces. <i>Optics Communications</i> , 2018 , 427, 603-608 | 2 | 2 |
| 55 | Gap plasmon-based metasurfaces: fundamentals and applications 2014 , | | 2 |
| 54 | Parametric study of dielectric loaded surface plasmon polariton add-drop filters for hybrid silicon/plasmonic optical circuitry 2011 , | | 2 |
| 53 | Scattering Suppression and Field Enhancement of the Fundamental Plasmonic Mode in Bent Nanorods. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011 , 8, 1619-1624 | 0.3 | 2 |
| 52 | Fiber-Coupled Surface Plasmon Polariton Excitation in Imprinted Dielectric-Loaded Waveguides. <i>International Journal of Optics</i> , 2010 , 2010, 1-6 | 0.9 | 2 |

| | | | |
|----|---|-----|---|
| 51 | Holographic evanescent-wave focusing with nanoparticle arrays. <i>Optics Express</i> , 2008 , 16, 17429-40 | 3.3 | 2 |
| 50 | Efficiency of local surface plasmon polariton excitation on ridges 2008 , | | 2 |
| 49 | Modeling of second-harmonic scanning optical microscopy of molecular quasi-one-dimensional aggregates. <i>Physical Review B</i> , 2007 , 75, | 3.3 | 2 |
| 48 | Fabrication of plasmonic waveguides for device applications 2007 , | | 2 |
| 47 | Scattering of surface plasmon polaritons by a nanoparticle with the inclusion of the magnetic dipole contribution. <i>JETP Letters</i> , 2006 , 83, 558-562 | 1.2 | 2 |
| 46 | Near-field characterization of photonic crystal Y-splitters. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 4087-4092 | | 2 |
| 45 | Bragg diffraction of light by rectangular phase gratings. <i>Optical and Quantum Electronics</i> , 1988 , 20, 475-483 | | 2 |
| 44 | Weak Localization of Surface Plasmon Polaritons: Direct Observation with Photon Scanning Tunneling Microscope 1996 , 163-173 | | 2 |
| 43 | Dielectric-loading approach for extra electric field enhancement and spatially transferring plasmonic hot-spots. <i>Nanotechnology</i> , 2021 , 32, 035205 | 3.4 | 2 |
| 42 | Maximizing absorption and scattering by spherical nanoparticles. <i>Optics Letters</i> , 2020 , 45, 1531-1534 | 3 | 2 |
| 41 | Characterization of gap-plasmon based metasurfaces using scanning differential heterodyne microscopy. <i>Scientific Reports</i> , 2020 , 10, 13524 | 4.9 | 2 |
| 40 | Subwavelength-Sized Narrow-Band Anechoic Waveguide Terminations. <i>Physical Review Applied</i> , 2016 , 6, | 4.3 | 2 |
| 39 | Anisotropic second-harmonic generation from monocrystalline gold flakes. <i>Optics Letters</i> , 2021 , 46, 833-836 | | 2 |
| 38 | Highly stable silver nanoparticles for SERS applications. <i>Journal of Physics: Conference Series</i> , 2018 , 1092, 012098 | 0.3 | 2 |
| 37 | Coupling of Quantum Emitters to Plasmonic Nanoguides. <i>Springer Series in Solid-state Sciences</i> , 2017 , 47-71 | 0.4 | 1 |
| 36 | Light Refraction by Water as a Rationale for the Poggendorff Illusion. <i>Perception</i> , 2017 , 46, 78-89 | 1.2 | 1 |
| 35 | Plasmon Metasurfaces: Gap-Surface Plasmon Metasurfaces for Broadband Circular-to-Linear Polarization Conversion and Vector Vortex Beam Generation (Advanced Optical Materials 9/2019). <i>Advanced Optical Materials</i> , 2019 , 7, 1970033 | 8.1 | 1 |
| 34 | Waveguiding with Surface Plasmon Polaritons. <i>Handbook of Surface Science</i> , 2014 , 4, 137-187 | | 1 |

| | | | |
|----|--|------|---|
| 33 | Gap plasmon-based metasurfaces: From amplitude to phase control of reflected light 2014, | | 1 |
| 32 | Dielectric loaded surface plasmon waveguides for datacom applications 2012, | | 1 |
| 31 | Low energy routing platforms for optical interconnects using active Plasmonics integrated with Silicon Photonics 2012, | | 1 |
| 30 | Characterization of localized field enhancements in laser fabricated gold needle nanostructures. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 185 | 1.7 | 1 |
| 29 | Phase conjugation of optical near fields by a surface hologram. <i>Optics Communications</i> , 1997 , 135, 19-23 | | 1 |
| 28 | Slow-light plasmonic metal nano-strip resonators 2008, | | 1 |
| 27 | Waveguide-ring resonator-based photonic components utilizing channel plasmon polaritons 2008, | | 1 |
| 26 | Near-field microscopy of light propagation in photonic crystal waveguides 2003 , 5118, 515 | | 1 |
| 25 | Second harmonic imaging of individual semiconductor nanostructures for scanning far field microscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2002 , 15, 229-237 | 3 | 1 |
| 24 | Second-harmonic far-field microscopy of random nanostructured gold surfaces. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003 , 3070-3074 | | 1 |
| 23 | Second-harmonic generation in channel glass waveguides. <i>Applied Optics</i> , 1992 , 31, 5813-5 | 1.7 | 1 |
| 22 | Differential amplitude scanning optical microscope computer aided for linewidth measurements. <i>Applied Optics</i> , 1992 , 31, 6836-9 | 1.7 | 1 |
| 21 | Near-field phase characterization of gradient gap plasmon-based metasurfaces 2018, | | 1 |
| 20 | Single-Photon Generation Engineering. <i>ACS Photonics</i> , | 6.3 | 1 |
| 19 | Plasmonic Functionalities Based on Detuned Electrical Dipoles. <i>Challenges and Advances in Computational Chemistry and Physics</i> , 2013 , 401-429 | 0.7 | 1 |
| 18 | Rapid characterization of metasurface unit cells using Scanning Differential Heterodyne Microscopy 2018, | | 1 |
| 17 | Single Photon Emitters Coupled to Plasmonic Waveguides: A Review. <i>Advanced Quantum Technologies</i> , 2021 , 4, 2100057 | 4.3 | 1 |
| 16 | On-Chip Ge Photodetector Efficiency Enhancement by Local Laser-Induced Crystallization. <i>Nano Letters</i> , 2021 , 21, 7472-7478 | 11.5 | 1 |

| | | | |
|----|--|------|---|
| 15 | Second-Harmonic Generation Scanning Microscopy on Domains in Al Surfaces 1999 , 175, 201 | | 1 |
| 14 | Molding Photon Emission with Hybrid Plasmon-Emitter Coupled Metasurfaces. <i>Advanced Optical Materials</i> , 2021, 13, 2102697 | 8.1 | 1 |
| 13 | Dynamic components utilizing long-range surface plasmon polaritons 2007 , 1-34 | | 0 |
| 12 | Plasmonic directional couplers using channel waveguides in random arrays of metal nanoparticles. <i>Optics Express</i> , 2019 , 27, 22753-22763 | 3.3 | 0 |
| 11 | High-Speed Plasmonic Electro-Optic Beam Deflectors. <i>Nano Letters</i> , 2021 , 21, 4051-4056 | 11.5 | 0 |
| 10 | Novel Terahertz Sources in the Form of Multispectral Resonators Boosted by Both Pump Light Local Field Enhancement and Terahertz Purcell Effect. <i>ACS Photonics</i> , 2019 , 6, 2223-2230 | 6.3 | |
| 9 | SURFACE PLASMON POLARITON GUIDING IN PHOTONIC BANDGAP STRUCTURES 2007 , 73-86 | | |
| 8 | Surface wave scattering by a nano-object situated on a surface. <i>Surface Science</i> , 2004 , 554, 33-42 | 1.8 | |
| 7 | Modeling of a Surface Plasmon Polariton Interferometer. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 797, 37 | | |
| 6 | Near-field detection of evanescent waves. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2005 , 2, 4101-4105 | | |
| 5 | Localization Phenomena in Elastic Surface Plasmon Polariton Scattering 2002 , 331-359 | | |
| 4 | Nanooptics Using Organic Nanofibers 2008 , 219-238 | | |
| 3 | Quantum Hybrid Plasmonic Nanocircuits for Versatile Polarized Photon Generation. <i>Advanced Optical Materials</i> , 2021, 13, 2101596 | 8.1 | |
| 2 | Chapter 1 Dynamic components utilizing long-range surface plasmon polaritons. <i>Advances in Nano-optics and Nano-photonics</i> , 2006 , 1-34 | | |
| 1 | Gold Metasurfaces as Saturable Absorbers for All-normal-dispersion Ytterbium-doped Mode-locked Fiber Laser. <i>IEEE Photonics Journal</i> , 2022 , 1-1 | 1.8 | |