

Stefan A Maier

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508
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634
ext. papers

51,823
ext. citations

8.9
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7.98
L-index

#	Paper	IF	Citations
508	Plasmonics: Fundamentals and Applications 2007 ,		4591
507	The Fano resonance in plasmonic nanostructures and metamaterials. <i>Nature Materials</i> , 2010 , 9, 707-15	27	2834
506	Local detection of electromagnetic energy transport below the diffraction limit in metal nanoparticle plasmon waveguides. <i>Nature Materials</i> , 2003 , 2, 229-32	27	1960
505	Plasmonics: Localization and guiding of electromagnetic energy in metal/dielectric structures. <i>Journal of Applied Physics</i> , 2005 , 98, 011101	2.5	1418
504	Plasmonic nanoantennas: fundamentals and their use in controlling the radiative properties of nanoemitters. <i>Chemical Reviews</i> , 2011 , 111, 3888-912	68.1	1015
503	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
502	Quantum plasmonics. <i>Nature Physics</i> , 2013 , 9, 329-340	16.2	990
501	Symmetry breaking in plasmonic nanocavities: subradiant LSPR sensing and a tunable Fano resonance. <i>Nano Letters</i> , 2008 , 8, 3983-8	11.5	847
500	Probing the ultimate limits of plasmonic enhancement. <i>Science</i> , 2012 , 337, 1072-4	33.3	814
499	Active control of electromagnetically induced transparency analogue in terahertz metamaterials. <i>Nature Communications</i> , 2012 , 3, 1151	17.4	783
498	Fano resonances in individual coherent plasmonic nanocavities. <i>Nano Letters</i> , 2009 , 9, 1663-7	11.5	594
497	Terahertz surface plasmon-polariton propagation and focusing on periodically corrugated metal wires. <i>Physical Review Letters</i> , 2006 , 97, 176805	7.4	546
496	On-Demand Single Photons with High Extraction Efficiency and Near-Unity Indistinguishability from a Resonantly Driven Quantum Dot in a Micropillar. <i>Physical Review Letters</i> , 2016 , 116, 020401	7.4	507
495	Sub-diffractive volume-confined polaritons in the natural hyperbolic material hexagonal boron nitride. <i>Nature Communications</i> , 2014 , 5, 5221	17.4	498
494	Highly confined guiding of terahertz surface plasmon polaritons on structured metal surfaces. <i>Nature Photonics</i> , 2008 , 2, 175-179	33.9	447
493	Active nanoplasmonic metamaterials. <i>Nature Materials</i> , 2012 , 11, 573-84	27	425
492	Tunability of subradiant dipolar and fano-type plasmon resonances in metallic ring/disk cavities: implications for nanoscale optical sensing. <i>ACS Nano</i> , 2009 , 3, 643-52	16.7	416

491	Observation of coupled plasmon-polariton modes in Au nanoparticle chain waveguides of different lengths: Estimation of waveguide loss. <i>Applied Physics Letters</i> , 2002 , 81, 1714-1716	3.4	415
490	Low-loss, infrared and terahertz nanophotonics using surface phonon polaritons. <i>Nanophotonics</i> , 2015 , 4, 44-68	6.3	395
489	Non-plasmonic nanoantennas for surface enhanced spectroscopies with ultra-low heat conversion. <i>Nature Communications</i> , 2015 , 6, 7915	17.4	349
488	Experimental realization of subradiant, superradiant, and fano resonances in ring/disk plasmonic nanocavities. <i>ACS Nano</i> , 2010 , 4, 1664-70	16.7	344
487	Optical pulse propagation in metal nanoparticle chain waveguides. <i>Physical Review B</i> , 2003 , 67,	3.3	339
486	Two-dimensional crystals: managing light for optoelectronics. <i>ACS Nano</i> , 2013 , 7, 5660-5	16.7	327
485	Nanoplasmonics: classical down to the nanometer scale. <i>Nano Letters</i> , 2012 , 12, 1683-9	11.5	326
484	Observation of near-field coupling in metal nanoparticle chains using far-field polarization spectroscopy. <i>Physical Review B</i> , 2002 , 65,	3.3	322
483	Plasmonic light-harvesting devices over the whole visible spectrum. <i>Nano Letters</i> , 2010 , 10, 2574-9	11.5	311
482	Third-harmonic-upconversion enhancement from a single semiconductor nanoparticle coupled to a plasmonic antenna. <i>Nature Nanotechnology</i> , 2014 , 9, 290-4	28.7	304
481	Nonlinear interactions in an organic polariton condensate. <i>Nature Materials</i> , 2014 , 13, 271-8	27	299
480	Low-Loss Electric and Magnetic Field-Enhanced Spectroscopy with Subwavelength Silicon Dimers. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13573-13584	3.8	293
479	Electron energy-loss spectroscopy (EELS) of surface plasmons in single silver nanoparticles and dimers: influence of beam damage and mapping of dark modes. <i>ACS Nano</i> , 2009 , 3, 3015-22	16.7	286
478	Transformation optics and subwavelength control of light. <i>Science</i> , 2012 , 337, 549-52	33.3	258
477	Enhanced Third Harmonic Generation in Single Germanium Nanodisks Excited at the Anapole Mode. <i>Nano Letters</i> , 2016 , 16, 4635-40	11.5	257
476	Fano resonances in nanoscale plasmonic systems: a parameter-free modeling approach. <i>Nano Letters</i> , 2011 , 11, 2835-40	11.5	252
475	Plasmonic field enhancement and SERS in the effective mode volume picture. <i>Optics Express</i> , 2006 , 14, 1957-64	3.3	251
474	Plasmonic hot electron transport drives nano-localized chemistry. <i>Nature Communications</i> , 2017 , 8, 14880	7.4	238

473	Ultrafast plasmonic nanowire lasers near the surface plasmon frequency. <i>Nature Physics</i> , 2014 , 10, 870-876	16.2	217
472	High-resolution mapping of electron-beam-excited plasmon modes in lithographically defined gold nanostructures. <i>Nano Letters</i> , 2011 , 11, 1323-30	11.5	216
471	Highly confined electromagnetic fields in arrays of strongly coupled Ag nanoparticles. <i>Physical Review B</i> , 2005 , 71,	3.3	209
470	Low-loss, extreme subdiffraction photon confinement via silicon carbide localized surface phonon polariton resonators. <i>Nano Letters</i> , 2013 , 13, 3690-7	11.5	204
469	Attosecond physics at the nanoscale. <i>Reports on Progress in Physics</i> , 2017 , 80, 054401	14.4	201
468	Giant photoluminescence enhancement in tungsten-diselenide-gold plasmonic hybrid structures. <i>Nature Communications</i> , 2016 , 7, 11283	17.4	201
467	Hybrid nanoparticle-microcavity-based plasmonic nanosensors with improved detection resolution and extended remote-sensing ability. <i>Nature Communications</i> , 2012 , 3, 1108	17.4	184
466	Surface plasmons and nonlocality: a simple model. <i>Physical Review Letters</i> , 2013 , 111, 093901	7.4	180
465	Transformation-optics description of nonlocal effects in plasmonic nanostructures. <i>Physical Review Letters</i> , 2012 , 108, 106802	7.4	167
464	Role of defects in the phase transition of VO ₂ nanoparticles probed by plasmon resonance spectroscopy. <i>Nano Letters</i> , 2012 , 12, 780-6	11.5	165
463	Multiresonant broadband optical antennas as efficient tunable nanosources of second harmonic light. <i>Nano Letters</i> , 2012 , 12, 4997-5002	11.5	164
462	Platelet factor 4 binds to bacteria, [corrected] inducing antibodies cross-reacting with the major antigen in heparin-induced thrombocytopenia. <i>Blood</i> , 2011 , 117, 1370-8	2.2	164
461	Room-temperature superfluidity in a polariton condensate. <i>Nature Physics</i> , 2017 , 13, 837-841	16.2	163
460	Metasurface orbital angular momentum holography. <i>Nature Communications</i> , 2019 , 10, 2986	17.4	161
459	Cecal ligation and puncture versus colon ascendens stent peritonitis: two distinct animal models for polymicrobial sepsis. <i>Shock</i> , 2004 , 21, 505-11	3.4	161
458	Complex-amplitude metasurface-based orbital angular momentum holography in momentum space. <i>Nature Nanotechnology</i> , 2020 , 15, 948-955	28.7	160
457	Plasmonic systems unveiled by Fano resonances. <i>ACS Nano</i> , 2012 , 6, 1830-8	16.7	152
456	Efficient Third Harmonic Generation from Metal-Dielectric Hybrid Nanoantennas. <i>Nano Letters</i> , 2017 , 17, 2647-2651	11.5	151

455	Efficient Third Harmonic Generation and Nonlinear Subwavelength Imaging at a Higher-Order Anapole Mode in a Single Germanium Nanodisk. <i>ACS Nano</i> , 2017 , 11, 953-960	16.7	150
454	Revealing plasmonic gap modes in particle-on-film systems using dark-field spectroscopy. <i>ACS Nano</i> , 2012 , 6, 1380-6	16.7	150
453	Electric and Magnetic Field Enhancement with Ultralow Heat Radiation Dielectric Nanoantennas: Considerations for Surface-Enhanced Spectroscopies. <i>ACS Photonics</i> , 2014 , 1, 524-529	6.3	148
452	Ultrastrongly Coupled Exciton-Polaritons in Metal-Clad Organic Semiconductor Microcavities. <i>Advanced Optical Materials</i> , 2013 , 1, 827-833	8.1	147
451	Photo-induced enhanced Raman spectroscopy for universal ultra-trace detection of explosives, pollutants and biomolecules. <i>Nature Communications</i> , 2016 , 7, 12189	17.4	143
450	Bridging the Gap between Dielectric Nanophotonics and the Visible Regime with Effectively Lossless Gallium Phosphide Antennas. <i>Nano Letters</i> , 2017 , 17, 1219-1225	11.5	142
449	Terahertz All-Dielectric Magnetic Mirror Metasurfaces. <i>ACS Photonics</i> , 2016 , 3, 1010-1018	6.3	142
448	Enhanced surface plasmon resonance on a smooth silver film with a seed growth layer. <i>ACS Nano</i> , 2010 , 4, 3139-46	16.7	141
447	Controlling light localization and light-matter interactions with nanoplasmonics. <i>Small</i> , 2010 , 6, 2498-5071	11	141
446	Subgroup decomposition of plasmonic resonances in hybrid oligomers: modeling the resonance lineshape. <i>Nano Letters</i> , 2012 , 12, 2101-6	11.5	136
445	Hybrid phase-change plasmonic crystals for active tuning of lattice resonances. <i>Optics Express</i> , 2013 , 21, 13691-8	3.3	130
444	Field enhancement within an optical fibre with a subwavelength air core. <i>Nature Photonics</i> , 2007 , 1, 115-118	11.8	125
443	Polarized plasmonic enhancement by Au nanostructures probed through Raman scattering of suspended graphene. <i>Nano Letters</i> , 2013 , 13, 301-8	11.5	123
442	Spoof Plasmon Surfaces: A Novel Platform for THz Sensing. <i>Advanced Optical Materials</i> , 2013 , 1, 543-548	8.1	123
441	Nonlocal effects in the nanofocusing performance of plasmonic tips. <i>Nano Letters</i> , 2012 , 12, 3308-14	11.5	121
440	Unidirectional side scattering of light by a single-element nanoantenna. <i>Nano Letters</i> , 2013 , 13, 3843-9	11.5	117
439	Plasmonics: The Promise of Highly Integrated Optical Devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006 , 12, 1671-1677	3.8	117
438	Enhanced tunability and linewidth sharpening of plasmon resonances in hybridized metallic ring/disk nanocavities. <i>Physical Review B</i> , 2007 , 76,	3.3	115

437	Gain-assisted propagation of electromagnetic energy in subwavelength surface plasmon polariton gap waveguides. <i>Optics Communications</i> , 2006 , 258, 295-299	2	115
436	Broadband spoof plasmons and subwavelength electromagnetic energy confinement on ultrathin metafilms. <i>Optics Express</i> , 2009 , 17, 18184-95	3.3	114
435	Experimental demonstration of fiber-accessible metal nanoparticle plasmon waveguides for planar energy guiding and sensing. <i>Applied Physics Letters</i> , 2005 , 86, 071103	3.4	112
434	Spectral Tuning of Localized Surface Phonon Polariton Resonators for Low-Loss Mid-IR Applications. <i>ACS Photonics</i> , 2014 , 1, 718-724	6.3	109
433	Plasmonic Fano resonances in nanohole quadrumers for ultra-sensitive refractive index sensing. <i>Nanoscale</i> , 2014 , 6, 4705-15	7.7	108
432	Bridging electromagnetic and carrier transport calculations for three-dimensional modelling of plasmonic solar cells. <i>Optics Express</i> , 2011 , 19 Suppl 4, A888-96	3.3	108
431	Ultrasensitive broadband probing of molecular vibrational modes with multifrequency optical antennas. <i>ACS Nano</i> , 2013 , 7, 669-75	16.7	106
430	Loss mitigation in plasmonic solar cells: aluminium nanoparticles for broadband photocurrent enhancements in GaAs photodiodes. <i>Scientific Reports</i> , 2013 , 3, 2874	4.9	103
429	Interaction between plasmonic nanoparticles revisited with transformation optics. <i>Physical Review Letters</i> , 2010 , 105, 233901	7.4	101
428	Engineering the phase front of light with phase-change material based planar lenses. <i>Scientific Reports</i> , 2015 , 5, 8660	4.9	100
427	Three-dimensionally isotropic negative refractive index materials from block copolymer self-assembled chiral gyroid networks. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11985-9	16.4	99
426	Optical and Structural Properties of Ultra-thin Gold Films. <i>Advanced Optical Materials</i> , 2015 , 3, 71-77	8.1	97
425	Multi-dimensional modeling of solar cells with electromagnetic and carrier transport calculations. <i>Progress in Photovoltaics: Research and Applications</i> , 2013 , 21, 109-120	6.8	96
424	Slow cooling and efficient extraction of C-exciton hot carriers in MoS monolayer. <i>Nature Communications</i> , 2017 , 8, 13906	17.4	95
423	Scattering efficiency and near field enhancement of active semiconductor plasmonic antennas at terahertz frequencies. <i>Optics Express</i> , 2010 , 18, 2797-807	3.3	94
422	Electromagnetic energy transport along arrays of closely spaced metal rods as an analogue to plasmonic devices. <i>Applied Physics Letters</i> , 2001 , 78, 16-18	3.4	91
421	Broad-band near-infrared plasmonic nanoantennas for higher harmonic generation. <i>ACS Nano</i> , 2012 , 6, 3537-44	16.7	90
420	Plasmonics: Metal Nanostructures for Subwavelength Photonic Devices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2006 , 12, 1214-1220	3.8	86

4 ¹⁹	Sepsis after major visceral surgery is associated with sustained and interferon-gamma-resistant defects of monocyte cytokine production. <i>Surgery</i> , 2000 , 127, 309-15	3.6	86
4 ¹⁸	Plasmonic particle-on-film nanocavities: a versatile platform for plasmon-enhanced spectroscopy and photochemistry. <i>Nanophotonics</i> , 2018 , 7, 1865-1889	6.3	86
4 ¹⁷	Rapid ultrasensitive single particle surface-enhanced Raman spectroscopy using metallic nanopores. <i>Nano Letters</i> , 2013 , 13, 4602-9	11.5	85
4 ¹⁶	High-order localized spoof surface plasmon resonances and experimental verifications. <i>Scientific Reports</i> , 2015 , 5, 9590	4.9	85
4 ¹⁵	Optically-Triggered Nanoscale Memory Effect in a Hybrid Plasmonic-Phase Changing Nanostructure. <i>ACS Photonics</i> , 2015 , 2, 1306-1313	6.3	84
4 ¹⁴	Optical properties and structural characteristics of ZnMgO grown by plasma assisted molecular beam epitaxy. <i>Journal of Applied Physics</i> , 2009 , 105, 023505	2.5	83
4 ¹³	Critical role of Kupffer cell-derived IL-10 for host defense in septic peritonitis. <i>Journal of Immunology</i> , 2001 , 167, 3919-27	5.3	83
4 ¹²	Tunable near-infrared plasmonic perfect absorber based on phase-change materials. <i>Photonics Research</i> , 2015 , 3, 54	6	82
4 ¹¹	All-dielectric planar chiral metasurface with gradient geometric phase. <i>Optics Express</i> , 2018 , 26, 6067-6078	3.8	82
4 ¹⁰	Optically induced interaction of magnetic moments in hybrid metamaterials. <i>ACS Nano</i> , 2012 , 6, 837-42	16.7	81
4 ⁰⁹	Strongly confined gap plasmon modes in graphene sandwiches and graphene-on-silicon. <i>New Journal of Physics</i> , 2013 , 15, 063020	2.9	81
4 ⁰⁸	Analysis of the cat eye syndrome critical region in humans and the region of conserved synteny in mice: a search for candidate genes at or near the human chromosome 22 pericentromere. <i>Genome Research</i> , 2001 , 11, 1053-70	9.7	81
4 ⁰⁷	Collection and concentration of light by touching spheres: a transformation optics approach. <i>Physical Review Letters</i> , 2010 , 105, 266807	7.4	80
4 ⁰⁶	Treatment of a lysosomal storage disease, mucopolysaccharidosis VII, with microencapsulated recombinant cells. <i>Human Gene Therapy</i> , 2000 , 11, 2117-27	4.8	80
4 ⁰⁵	From Optical to Chemical Hot Spots in Plasmonics. <i>Accounts of Chemical Research</i> , 2019 , 52, 2525-2535	24.3	79
4 ⁰⁴	Metallic mode confinement in microstructured fibres. <i>Optics Express</i> , 2008 , 16, 5983-90	3.3	79
4 ⁰³	Plasmonic hybridization between nanowires and a metallic surface: a transformation optics approach. <i>ACS Nano</i> , 2011 , 5, 3293-308	16.7	78
4 ⁰²	Observation of Quantum Interference in the Plasmonic Hong-Ou-Mandel Effect. <i>Physical Review Applied</i> , 2014 , 1,	4.3	77

401	Quantum statistics of surface plasmon polaritons in metallic stripe waveguides. <i>Nano Letters</i> , 2012 , 12, 2504-8	11.5	76
400	Switchable directional scattering of electromagnetic radiation with subwavelength asymmetric silicon dimers. <i>Scientific Reports</i> , 2015 , 5, 18322	4.9	75
399	Highly sensitive single domain antibody-quantum dot conjugates for detection of HER2 biomarker in lung and breast cancer cells. <i>ACS Nano</i> , 2014 , 8, 5682-95	16.7	74
398	Internal excitation and superfocusing of surface plasmon polaritons on a silver-coated optical fiber tip. <i>Physical Review A</i> , 2007 , 75,	2.6	74
397	The New $\beta\beta$ Junction Plasmonics Enables Photonic Access to the Nanoworld. <i>MRS Bulletin</i> , 2005 , 30, 385-389	3.2	74
396	Spectral Screening of the Energy of Hot Holes over a Particle Plasmon Resonance. <i>Nano Letters</i> , 2019 , 19, 1867-1874	11.5	69
395	Unidirectional light scattering with high efficiency at optical frequencies based on low-loss dielectric nanoantennas. <i>Nanoscale</i> , 2016 , 8, 14184-92	7.7	69
394	High-efficiency second harmonic generation from a single hybrid ZnO nanowire/Au plasmonic nano-oligomer. <i>Nano Letters</i> , 2014 , 14, 6660-5	11.5	69
393	Broadband light harvesting nanostructures robust to edge bluntness. <i>Physical Review Letters</i> , 2012 , 108, 023901	7.4	68
392	Giant nonlinear response at a plasmonic nanofocus drives efficient four-wave mixing. <i>Science</i> , 2017 , 358, 1179-1181	33.3	67
391	Spoof Surface Plasmon Polariton Modes Propagating Along Periodically Corrugated Wires. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008 , 14, 1515-1521	3.8	67
390	Highly Enhanced Third-Harmonic Generation in 2D Perovskites at Excitonic Resonances. <i>ACS Nano</i> , 2018 , 12, 644-650	16.7	66
389	Titanium Oxynitride Thin Films with Tunable Double Epsilon-Near-Zero Behavior for Nanophotonic Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29857-29862	9.5	65
388	High aspect subdiffraction-limit photolithography via a silver superlens. <i>Nano Letters</i> , 2012 , 12, 1549-54	11.5	65
387	Directional fluorescence emission by individual V-antennas explained by mode expansion. <i>ACS Nano</i> , 2014 , 8, 8232-41	16.7	63
386	Broadband nano-focusing of light using kissing nanowires. <i>New Journal of Physics</i> , 2010 , 12, 093030	2.9	63
385	Experimental Demonstration of Tunable Directional Scattering of Visible Light from All-Dielectric Asymmetric Dimers. <i>ACS Photonics</i> , 2017 , 4, 489-494	6.3	62
384	Broadband Terahertz Sensing on Spoof Plasmon Surfaces. <i>ACS Photonics</i> , 2014 , 1, 1059-1067	6.3	62

383	Nonlinearly coupled localized plasmon resonances: Resonant second-harmonic generation. <i>Physical Review B</i> , 2012 , 86,	3.3	61
382	Terahertz pulse propagation using plasmon-polariton-like surface modes on structured conductive surfaces. <i>Applied Physics Letters</i> , 2006 , 88, 251120	3.4	61
381	Nanoplasmonics: Engineering and observation of localized plasmon modes. <i>Laser and Photonics Reviews</i> , 2012 , 6, 277-295	8.3	60
380	Effective Mode Volume of Nanoscale Plasmon Cavities. <i>Optical and Quantum Electronics</i> , 2006 , 38, 257-267	3.7	60
379	Mega-electron-volt ion beam induced anisotropic plasmon resonance of silver nanocrystals in glass. <i>Applied Physics Letters</i> , 2003 , 83, 4137-4139	3.4	60
378	Enhanced high-order-harmonic generation in a carbon ablation plume. <i>Physical Review A</i> , 2012 , 85,	2.6	59
377	Plasmonics - Towards Subwavelength Optical Devices. <i>Current Nanoscience</i> , 2005 , 1, 17-22	1.4	59
376	Selectively Plasmon-Enhanced Second-Harmonic Generation from Monolayer Tungsten Diselenide on Flexible Substrates. <i>ACS Nano</i> , 2018 , 12, 1859-1867	16.7	58
375	Broadband plasmonic device concentrating the energy at the nanoscale: The crescent-shaped cylinder. <i>Physical Review B</i> , 2010 , 82,	3.3	58
374	Surface Energy-Controlled SERS Substrates for Molecular Concentration at Plasmonic Nanogaps. <i>Advanced Functional Materials</i> , 2017 , 27, 1703376	15.6	57
373	High-order harmonic generation in graphite plasma plumes using ultrashort laser pulses: a systematic analysis of harmonic radiation and plasma conditions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012 , 45, 165402	1.3	57
372	Single-particle plasmon resonance spectroscopy of phase transition in vanadium dioxide. <i>Optics Letters</i> , 2010 , 35, 3988-90	3	57
371	Low-loss fiber accessible plasmon waveguide for planar energy guiding and sensing. <i>Applied Physics Letters</i> , 2004 , 84, 3990-3992	3.4	57
370	Plasmonic Nanoantennas for Multispectral Surface-Enhanced Spectroscopies. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 18620-18626	3.8	56
369	Identification of Bloch-modes in hollow-core photonic crystal fiber cladding. <i>Optics Express</i> , 2007 , 15, 325-38	3.3	56
368	Degenerate Four-Wave Mixing in a Multiresonant Germanium Nanodisk. <i>ACS Photonics</i> , 2017 , 4, 2144-2149	3.9	54
367	Dip-pen patterning of poly(9,9-dioctylfluorene) chain-conformation-based nano-photonic elements. <i>Nature Communications</i> , 2015 , 6, 5977	17.4	53
366	Quantifying Figures of Merit for Localized Surface Plasmon Resonance Applications: A Materials Survey. <i>ACS Photonics</i> , 2019 , 6, 240-259	6.3	52

365	Understanding and Reducing Photothermal Forces for the Fabrication of Au Nanoparticle Dimers by Optical Printing. <i>Nano Letters</i> , 2017 , 17, 5747-5755	11.5	52
364	Charge transfer statistics of a molecular quantum dot with strong electron-phonon interaction. <i>Physical Review B</i> , 2011 , 83,	3.3	52
363	Sensitive and Reproducible Immunoassay of Multiple Mycotoxins Using Surface-Enhanced Raman Scattering Mapping on 3D Plasmonic Nanopillar Arrays. <i>Small</i> , 2018 , 14, e1801623	11	51
362	Geometry dependence of surface plasmon polariton lifetimes in nanohole arrays. <i>ACS Nano</i> , 2010 , 4, 432-8	16.7	51
361	Phylogenetic analysis reveals a novel protein family closely related to adenosine deaminase. <i>Journal of Molecular Evolution</i> , 2005 , 61, 776-94	3.1	51
360	Impaired monocyte IL-12 production before surgery as a predictive factor for the lethal outcome of postoperative sepsis. <i>Annals of Surgery</i> , 2002 , 235, 560-7	7.8	51
359	Greatly enhanced continuous-wave terahertz emission by nano-electrodes in a photoconductive photomixer. <i>Nature Photonics</i> , 2012 , 6, 121-126	33.9	50
358	The Interplay of Symmetry and Scattering Phase in Second Harmonic Generation from Gold Nanoantennas. <i>Nano Letters</i> , 2016 , 16, 5278-85	11.5	49
357	Strong and Coherent Coupling between Localized and Propagating Phonon Polaritons. <i>Physical Review Letters</i> , 2016 , 116, 246402	7.4	49
356	Electron-energy loss study of nonlocal effects in connected plasmonic nanoprisms. <i>ACS Nano</i> , 2013 , 7, 6287-96	16.7	49
355	Direct Optical Tuning of the Terahertz Plasmonic Response of InSb Subwavelength Gratings. <i>Advanced Optical Materials</i> , 2013 , 1, 128-132	8.1	49
354	Lattice resonances in antenna arrays for liquid sensing in the terahertz regime. <i>Optics Express</i> , 2011 , 19, 14653-61	3.3	49
353	Colon ascendens stent peritonitis--a model of sepsis adopted to the rat: physiological, microcirculatory and laboratory changes. <i>Shock</i> , 2007 , 28, 59-64	3.4	49
352	Spoof plasmon polaritons in slanted geometries. <i>Physical Review B</i> , 2012 , 85,	3.3	48
351	Quantum Plasmonics. <i>Proceedings of the IEEE</i> , 2016 , 104, 2307-2322	14.3	47
350	Resonant Enhancement of Second-Harmonic Generation in the Mid-Infrared Using Localized Surface Phonon Polaritons in Subdiffractive Nanostructures. <i>Nano Letters</i> , 2016 , 16, 6954-6959	11.5	47
349	Plasmon-enhanced Raman scattering by carbon nanotubes optically coupled with near-field cavities. <i>Nano Letters</i> , 2014 , 14, 1762-8	11.5	47
348	Low-voltage polariton electroluminescence from an ultrastrongly coupled organic light-emitting diode. <i>Applied Physics Letters</i> , 2014 , 104, 233302	3.4	47

347	Distance control in-between plasmonic nanoparticles via biological and polymeric spacers. <i>Nano Today</i> , 2013 , 8, 480-493	17.9	47
346	Plasmonic nanoclusters with rotational symmetry: polarization-invariant far-field response vs changing near-field distribution. <i>ACS Nano</i> , 2013 , 7, 11138-46	16.7	47
345	Confined surface plasmon-polariton amplifiers. <i>Nano Letters</i> , 2013 , 13, 1323-9	11.5	47
344	Two-photon interference from remote quantum dots with inhomogeneously broadened linewidths. <i>Physical Review B</i> , 2014 , 89,	3.3	47
343	Plasmonic interaction between overlapping nanowires. <i>ACS Nano</i> , 2011 , 5, 597-607	16.7	47
342	Homoepitaxial Growth of Large-Scale Highly Organized Transition Metal Dichalcogenide Patterns. <i>Advanced Materials</i> , 2018 , 30, 1704674	24	47
341	Spatial Coherence and Stability in a Disordered Organic Polariton Condensate. <i>Physical Review Letters</i> , 2015 , 115, 035301	7.4	46
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