

Stefan A Maier

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

508
papers

44,642
citations

90
h-index

201
g-index

634
ext. papers

51,823
ext. citations

8.9
avg, IF

7.98
L-index

#	Paper	IF	Citations
508	Advances and applications of nanophotonic biosensors.. <i>Nature Nanotechnology</i> , 2022 , 17, 5-16	28.7	38
507	Accelerating CO Electroreduction to Multicarbon Products via Synergistic Electric-Thermal Field on Copper Nanoneedles.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	25
506	Trends in Nanophotonics-Enabled Optofluidic Biosensors. <i>Advanced Optical Materials</i> , 2022 , 10, 2102368	6.1	8
505	Ultrafast sub-100 fs all-optical modulation and efficient third-harmonic generation in Weyl semimetal niobium phosphide thin films.. <i>Advanced Materials</i> , 2022 , e2106733	24	0
504	High-Throughput Fabrication of Triangular Nanogap Arrays for Surface-Enhanced Raman Spectroscopy.. <i>ACS Nano</i> , 2022 ,	16.7	1
503	High-Quality Optical Hotspots with Topology-Protected Robustness. <i>ACS Photonics</i> , 2022 , 9, 241-248	6.3	0
502	Near-field nano-spectroscopy of strong mode coupling in phonon-polaritonic crystals. <i>Applied Physics Reviews</i> , 2022 , 9, 021414	17.3	2
501	Bright single photon emitters with enhanced quantum efficiency in a two-dimensional semiconductor coupled with dielectric nano-antennas. <i>Nature Communications</i> , 2021 , 12, 6063	17.4	5
500	Metasurface Photoelectrodes for Enhanced Solar Fuel Generation. <i>Advanced Energy Materials</i> , 2021 , 11, 2102877	21.8	4
499	Nanophotonic Materials for Twisted Light Manipulation. <i>Advanced Materials</i> , 2021 , e2106692	24	5
498	Scalable Fabrication of Metallic Nanogaps at the Sub-10nm Level. <i>Advanced Science</i> , 2021 , e2102756	13.6	10
497	Eu ₂ CuSe ₃ Revisited by Means of Experimental and Quantum-Chemical Techniques. <i>European Journal of Inorganic Chemistry</i> , 2021 , 2021, 1510-1517	2.3	2
496	Ultrahigh-aspect-ratio light cages: fabrication limits and tolerances of free-standing 3D nanoprinted waveguides. <i>Optical Materials Express</i> , 2021 , 11, 1046	2.6	6
495	Ultrahigh numerical aperture meta-fibre for flexible optical trapping. <i>Light: Science and Applications</i> , 2021 , 10, 57	16.7	24
494	Optically Tunable Mie Resonance VO ₂ Nanoantennas for Metasurfaces in the Visible. <i>ACS Photonics</i> , 2021 , 8, 1048-1057	6.3	14
493	Disorder-Induced Material-Insensitive Optical Response in Plasmonic Nanostructures: Vibrant Structural Colors from Noble Metals. <i>Advanced Materials</i> , 2021 , 33, e2007623	24	9
492	Anapole-Assisted Absorption Engineering in Arrays of Coupled Amorphous Gallium Phosphide Nanodisks. <i>ACS Photonics</i> , 2021 , 8, 1469-1476	6.3	11

491	Coherent interaction of atoms with a beam of light confined in a light cage. <i>Light: Science and Applications</i> , 2021 , 10, 114	16.7	8
490	Massively Parallel Arrays of Size-Controlled Metallic Nanogaps with Gap-Widths Down to the Sub-3-nm Level. <i>Advanced Materials</i> , 2021 , 33, e2100491	24	6
489	Fiber-integrated hollow-core light cage for gas spectroscopy. <i>APL Photonics</i> , 2021 , 6, 061301	5.2	5
488	Self-Constructed Multiple Plasmonic Hotspots on an Individual Fractal to Amplify Broadband Hot Electron Generation. <i>ACS Nano</i> , 2021 , 15, 10553-10564	16.7	19
487	The Optofluidic Light Cage - On-Chip Integrated Spectroscopy Using an Antiresonance Hollow Core Waveguide. <i>Analytical Chemistry</i> , 2021 , 93, 752-760	7.8	8
486	Synthetic Plasmonic Nanocircuits and the Evolution of Their Correlated Spatial Arrangement and Resonance Spectrum. <i>ACS Photonics</i> , 2021 , 8, 166-174	6.3	1
485	Photothermal Response of Single Gold Nanoparticles through Hyperspectral Imaging Anti-Stokes Thermometry. <i>ACS Nano</i> , 2021 , 15, 2458-2467	16.7	20
484	One-Pot Confined Epitaxial Growth of 2D Heterostructure Arrays 2021 , 3, 217-223		4
483	Topological-Insulator-Based Gap-Surface Plasmon Metasurfaces. <i>Photonics</i> , 2021 , 8, 40	2.2	0
482	Ultrabroad-Band Direct Digital Refractive Index Imaging Based on Suspended Graphene Plasmon Nanocavities. <i>ACS Applied Nano Materials</i> , 2021 , 4, 1635-1642	5.6	
481	Orbital-Angular-Momentum-Controlled Hybrid Nanowire Circuit. <i>Nano Letters</i> , 2021 , 21, 6220-6227	11.5	3
480	Fabrication robustness in BIC metasurfaces. <i>Nanophotonics</i> , 2021 ,	6.3	14
479	Engineering gallium phosphide nanostructures for efficient nonlinear photonics and enhanced spectroscopies. <i>Nanophotonics</i> , 2021 ,	6.3	4
478	The Effect of Photoinduced Surface Oxygen Vacancies on the Charge Carrier Dynamics in TiO Films. <i>Nano Letters</i> , 2021 , 21, 8348-8354	11.5	10
477	Single-step-fabricated disordered metasurfaces for enhanced light extraction from LEDs. <i>Light: Science and Applications</i> , 2021 , 10, 180	16.7	8
476	Plasmonic linear nanomotor using lateral optical forces. <i>Science Advances</i> , 2020 , 6,	14.3	18
475	Discovering Electron-Transfer-Driven Changes in Chemical Bonding in Lead Chalcogenides (PbX, where X = Te, Se, S, O). <i>Advanced Materials</i> , 2020 , 32, e2005533	24	29
474	Determination of Nanoscale Mechanical Properties of Polymers via Plasmonic Nanoantennas. <i>ACS Photonics</i> , 2020 , 7, 1403-1409	6.3	8

473	Near-Field Spectroscopy of Cylindrical Phonon-Polariton Antennas. <i>ACS Nano</i> , 2020 , 14, 8508-8517	16.7	4
472	Genetic-Algorithm-Aided Meta-Atom Multiplication for Improved Absorption and Coloration in Nanophotonics. <i>ACS Photonics</i> , 2020 , 7, 1716-1722	6.3	13
471	Manipulating topological valley modes in plasmonic metasurfaces. <i>Nanophotonics</i> , 2020 , 9, 657-665	6.3	16
470	Manipulating disordered plasmonic systems by external cavity with transition from broadband absorption to reconfigurable reflection. <i>Nature Communications</i> , 2020 , 11, 1538	17.4	27
469	Monolayer Conveyor for Stably Trapping and Transporting Sub-1 μ m Particles. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000030	8.3	9
468	IR hot carrier based photodetection in titanium nitride oxide thin film-Si junctions. <i>MRS Advances</i> , 2020 , 5, 1843-1850	0.7	
467	Anapole Excitations in Oxygen-Vacancy-Rich TiO Nanoresonators: Tuning the Absorption for Photocatalysis in the Visible Spectrum. <i>ACS Nano</i> , 2020 , 14, 2456-2464	16.7	36
466	Negative Refraction in Time-Varying Strongly Coupled Plasmonic-Antenna-Epsilon-Near-Zero Systems. <i>Physical Review Letters</i> , 2020 , 124, 043902	7.4	31
465	Hot carrier optoelectronics with titanium nitride 2020 ,		1
464	Fine-tuning of the optical properties of hollow-core light cages using dielectric nanofilms. <i>Optics Letters</i> , 2020 , 45, 196	3	7
463	Giant polarization anisotropic optical response from anodic aluminum oxide templates embedded with plasmonic metamaterials. <i>Optics Express</i> , 2020 , 28, 29513-29528	3.3	
462	Few Percent Efficient Polarization-Sensitive Conversion in Nonlinear Plasmonic Interactions Inside Oligomeric Gold Structures. <i>Sensors</i> , 2020 , 21,	3.8	1
461	Broadband SERS detection with disordered plasmonic hybrid aggregates. <i>Nanoscale</i> , 2020 , 12, 93-102	7.7	20
460	Near- and Far-Field Excitation of Topological Plasmonic Metasurfaces. <i>Photonics</i> , 2020 , 7, 81	2.2	2
459	Nanostructured amorphous gallium phosphide on silica for nonlinear and ultrafast nanophotonics. <i>Nanoscale Horizons</i> , 2020 , 5, 1500-1508	10.8	9
458	Mode-Matching Enhancement of Second-Harmonic Generation with Plasmonic Nanopatch Antennas. <i>ACS Photonics</i> , 2020 , 7, 3333-3340	6.3	5
457	Template Dissolution Interfacial Patterning of Single Colloids for Nanoelectrochemistry and Nanosensing. <i>ACS Nano</i> , 2020 ,	16.7	13
456	Lead Chalcogenides: Discovering Electron-Transfer-Driven Changes in Chemical Bonding in Lead Chalcogenides (PbX, where X = Te, Se, S, O) (Adv. Mater. 49/2020). <i>Advanced Materials</i> , 2020 , 32, 2070370 ⁴		1

455	Dielectric Nanoantennas for Strain Engineering in Atomically Thin Two-Dimensional Semiconductors. <i>ACS Photonics</i> , 2020 , 7, 2413-2422	6.3	11
454	All-Dielectric Silicon Nanoslots for Er ³⁺ Photoluminescence Enhancement. <i>Physical Review Applied</i> , 2020 , 14,	4.3	5
453	Electron tunneling at the molecularly thin 2D perovskite and graphene van der Waals interface. <i>Nature Communications</i> , 2020 , 11, 5483	17.4	16
452	Complex-amplitude metasurface-based orbital angular momentum holography in momentum space. <i>Nature Nanotechnology</i> , 2020 , 15, 948-955	28.7	160
451	Electrical control of single-photon emission in highly charged individual colloidal quantum dots. <i>Science Advances</i> , 2020 , 6,	14.3	9
450	Efficient ultrafast all-optical modulation in a nonlinear crystalline gallium phosphide nanodisk at the anapole excitation. <i>Science Advances</i> , 2020 , 6,	14.3	30
449	Direct Detection of Optical Forces of Magnetic Nature in Dielectric Nanoantennas. <i>Nano Letters</i> , 2020 , 20, 7627-7634	11.5	2
448	Present and Future of Surface-Enhanced Raman Scattering. <i>ACS Nano</i> , 2020 , 14, 28-117	16.7	1000
447	Dynamics of Photo-Induced Surface Oxygen Vacancies in Metal-Oxide Semiconductors Studied Under Ambient Conditions. <i>Advanced Science</i> , 2019 , 6, 1901841	13.6	33
446	Coherent Multiphoton Control of Gallium Phosphide Nanodisk Resonances. <i>ACS Photonics</i> , 2019 , 6, 2487-2491	14.9	8
445	Monitoring plasmonic hot-carrier chemical reactions at the single particle level. <i>Faraday Discussions</i> , 2019 , 214, 73-87	3.6	19
444	Phase-matching and Peak Nonlinearity Enhanced Third-Harmonic Generation in Graphene Plasmonic Coupler. <i>Physical Review Applied</i> , 2019 , 11,	4.3	11
443	Quantifying Figures of Merit for Localized Surface Plasmon Resonance Applications: A Materials Survey. <i>ACS Photonics</i> , 2019 , 6, 240-259	6.3	52
442	Giant and Tunable Optical Nonlinearity in Single-Crystalline 2D Perovskites due to Excitonic and Plasma Effects. <i>Advanced Materials</i> , 2019 , 31, e1902685	24	31
441	Ultrafast sub-30-fs all-optical switching based on gallium phosphide. <i>Science Advances</i> , 2019 , 5, eaaw3262	24.3	27
440	Extraordinarily transparent compact metallic metamaterials. <i>Nature Communications</i> , 2019 , 10, 2118	17.4	21
439	Resonant Far- to Near-Field Channeling in Synergetic Multiscale Antennas. <i>ACS Photonics</i> , 2019 , 6, 1466-1473	14.3	3
438	Dynamics of hot electron generation in metallic nanostructures: general discussion. <i>Faraday Discussions</i> , 2019 , 214, 123-146	3.6	13

437	Compact Integration of TiO ₂ Nanoparticles into the Cross-Points of 3D Vertically Stacked Ag Nanowires for Plasmon-Enhanced Photocatalysis. <i>Nanomaterials</i> , 2019 , 9,	5.4	12
436	Size-Selective Optical Printing of Silicon Nanoparticles through Their Dipolar Magnetic Resonance. <i>ACS Photonics</i> , 2019 , 6, 815-822	6.3	27
435	TiO ₂ -Enhanced IR Hot Carrier Based Photodetection in Metal Thin Film/Si Junctions. <i>ACS Photonics</i> , 2019 , 6, 953-960	6.3	18
434	Hybrid longitudinal-transverse phonon polaritons. <i>Nature Communications</i> , 2019 , 10, 1682	17.4	30
433	Spectral Screening of the Energy of Hot Holes over a Particle Plasmon Resonance. <i>Nano Letters</i> , 2019 , 19, 1867-1874	11.5	69
432	Fabric Electronics: Autocatalytic Metallization of Fabrics Using Si Ink, for Biosensors, Batteries and Energy Harvesting (Adv. Funct. Mater. 1/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970002	15.6	
431	Ultrawideband Surface Enhanced Raman Scattering in Hybrid Graphene Fragmented-Gold Substrates via Cold-Etching. <i>Advanced Optical Materials</i> , 2019 , 7, 1900905	8.1	6
430	Nonlinear Pancharatnam-Berry Phase Metasurfaces beyond the Dipole Approximation. <i>ACS Photonics</i> , 2019 , 6, 2335-2341	6.3	8
429	From Optical to Chemical Hot Spots in Plasmonics. <i>Accounts of Chemical Research</i> , 2019 , 52, 2525-2535	24.3	79
428	Ultrafast All-Optical Modulation in 2D Hybrid Perovskites. <i>ACS Nano</i> , 2019 , 13, 9504-9510	16.7	36
427	Metasurface orbital angular momentum holography. <i>Nature Communications</i> , 2019 , 10, 2986	17.4	161
426	Plasmon-Enhanced Electron Harvesting in Robust Titanium Nitride Nanostructures. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 18521-18527	3.8	15
425	Self-Assembly of Nanoparticle-Spiked Pillar Arrays for Plasmonic Biosensing. <i>Advanced Functional Materials</i> , 2019 , 29, 1904257	15.6	34
424	Enhanced light-matter interaction in an atomically thin semiconductor coupled with dielectric nano-antennas. <i>Nature Communications</i> , 2019 , 10, 5119	17.4	42
423	Exciting Pseudospin-Dependent Edge States in Plasmonic Metasurfaces. <i>ACS Photonics</i> , 2019 , 6, 2985-2995	9.5	16
422	Photo-induced enhanced Raman spectroscopy (PIERS): sensing atomic-defects, explosives and biomolecules 2019 ,		1
421	Light guidance in photonic band gap guiding dual-ring light cages implemented by direct laser writing. <i>Optics Letters</i> , 2019 , 44, 4016-4019	3	12
420	Nanoscale Design of the Local Density of Optical States. <i>Nano Letters</i> , 2019 , 19, 1613-1617	11.5	20

4 ¹⁹	Surface Oxygen Vacancies: Dynamics of Photo-Induced Surface Oxygen Vacancies in Metal-Oxide Semiconductors Studied Under Ambient Conditions (Adv. Sci. 22/2019). <i>Advanced Science</i> , 2019 , 6, 1970132	13.6	3
4 ¹⁸	Hollow Core Light Cage: Trapping Light Behind Bars. <i>ACS Photonics</i> , 2019 , 6, 649-658	6.3	23
4 ¹⁷	Autocatalytic Metallization of Fabrics Using Si Ink, for Biosensors, Batteries and Energy Harvesting. <i>Advanced Functional Materials</i> , 2019 , 29, 1804798	15.6	18
4 ¹⁶	Efficient Quantum Photonic Phase Shift in a Low Q-Factor Regime. <i>ACS Photonics</i> , 2019 , 6, 429-435	6.3	7
4 ¹⁵	Thermodynamic loss mechanisms and strategies for efficient hot-electron photoconversion. <i>Nano Energy</i> , 2019 , 55, 164-172	17.1	29
4 ¹⁴	Surface-Enhanced Spectroscopies of a Molecular Monolayer in an All-Dielectric Nanoantenna. <i>ACS Photonics</i> , 2018 , 5, 1546-1557	6.3	28
4 ¹³	Highly Stable Plasmon Induced Hot Hole Transfer into Silicon via a SrTiO ₃ Passivation Interface. <i>Advanced Functional Materials</i> , 2018 , 28, 1705829	15.6	19
4 ¹²	Raman photostability of off-resonant gap-enhanced Raman tags.. <i>RSC Advances</i> , 2018 , 8, 14434-14444	3.7	18
4 ¹¹	Nanoscale Mapping and Spectroscopy of Nonradiative Hyperbolic Modes in Hexagonal Boron Nitride Nanostructures. <i>Nano Letters</i> , 2018 , 18, 1628-1636	11.5	45
4 ¹⁰	Polarization control of high transmission/reflection switching by all-dielectric metasurfaces. <i>Applied Physics Letters</i> , 2018 , 112, 063103	3.4	27
4 ⁰⁹	Nanoscale Control of Molecular Self-Assembly Induced by Plasmonic Hot-Electron Dynamics. <i>ACS Nano</i> , 2018 , 12, 2184-2192	16.7	46
4 ⁰⁸	Energy-Momentum Cathodoluminescence Spectroscopy of Dielectric Nanostructures. <i>ACS Photonics</i> , 2018 , 5, 1381-1387	6.3	14
4 ⁰⁷	Highly Enhanced Third-Harmonic Generation in 2D Perovskites at Excitonic Resonances. <i>ACS Nano</i> , 2018 , 12, 644-650	16.7	66
4 ⁰⁶	Selectively Plasmon-Enhanced Second-Harmonic Generation from Monolayer Tungsten Diselenide on Flexible Substrates. <i>ACS Nano</i> , 2018 , 12, 1859-1867	16.7	58
4 ⁰⁵	Imaging Plasmon Hybridization of Fano Resonances via Hot-Electron-Mediated Absorption Mapping. <i>Nano Letters</i> , 2018 , 18, 3400-3406	11.5	35
4 ⁰⁴	Metal-Dielectric Parabolic Antenna for Directing Single Photons. <i>Nano Letters</i> , 2018 , 18, 3060-3065	11.5	16
4 ⁰³	Photonic surface waves enabled perfect infrared absorption by monolayer graphene. <i>Nano Energy</i> , 2018 , 48, 161-169	17.1	17
4 ⁰²	Synthesis, electronic structure and physical properties of polycrystalline Ba ₂ FePnSe ₅ (Pn = Sb, Bi). <i>Materials Chemistry and Physics</i> , 2018 , 203, 202-211	4.4	2

401	Dynamical Instability of a Nonequilibrium Exciton-Polariton Condensate. <i>ACS Photonics</i> , 2018 , 5, 111-118.	6.3	30
400	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
399	All-dielectric planar chiral metasurface with gradient geometric phase. <i>Optics Express</i> , 2018 , 26, 6067-6078.	3.8	82
398	Temperature stability of thin film refractory plasmonic materials. <i>Optics Express</i> , 2018 , 26, 15726-15744.	3.3	21
397	Multiphase strontium molybdate thin films for plasmonic local heating applications. <i>Optical Materials Express</i> , 2018 , 8, 1806	2.6	3
396	Theoretical analysis of graphene plasmon cavities. <i>Applied Materials Today</i> , 2018 , 12, 283-293	6.6	8
395	Sub-nanometer Thin Oxide Film Sensing with Localized Surface Phonon Polaritons. <i>ACS Photonics</i> , 2018 , 5, 2807-2815	6.3	41
394	Double Blind Ultrafast Pulse Characterization by Mixed Frequency Generation in a Gold Antenna. <i>ACS Photonics</i> , 2018 , 5, 3166-3171	6.3	10
393	Nanofocusing in SOI-based hybrid plasmonic metal slot waveguides. <i>Optics Express</i> , 2018 , 26, 30634-30643.	3.3	9
392	Nonlinear frequency conversion in optical nanoantennas and metasurfaces: materials evolution and fabrication. <i>Opto-Electronic Advances</i> , 2018 , 1, 18002101-18002112	6.5	38
391	Enhancing Third-Harmonic Generation with Spatial Nonlocality. <i>ACS Photonics</i> , 2018 , 5, 592-598	6.3	8
390	Facile Electrochemical Synthesis of Pd Nanoparticles with Enhanced Electrocatalytic Properties from Surfactant-Free Electrolyte. <i>ChemElectroChem</i> , 2018 , 5, 619-629	4.3	5
389	Homoepitaxial Growth of Large-Scale Highly Organized Transition Metal Dichalcogenide Patterns. <i>Advanced Materials</i> , 2018 , 30, 1704674	24	47
388	Sub-20 fs All-Optical Switching in a Single Au-Clad Si Nanodisk. <i>Nano Letters</i> , 2018 , 18, 7896-7900	11.5	29
387	Plasmonic particle-on-film nanocavities: a versatile platform for plasmon-enhanced spectroscopy and photochemistry. <i>Nanophotonics</i> , 2018 , 7, 1865-1889	6.3	86
386	Acoustic Far-Field Hypersonic Surface Wave Detection with Single Plasmonic Nanoantennas. <i>Physical Review Letters</i> , 2018 , 121, 253902	7.4	9
385	Plasmon induced thermoelectric effect in graphene. <i>Nature Communications</i> , 2018 , 9, 5190	17.4	39
384	Second harmonic generation from strongly coupled localized and propagating phonon-polariton modes. <i>Physical Review B</i> , 2018 , 98,	3.3	15

383	Raman Scattering Mapping: Sensitive and Reproducible Immunoassay of Multiple Mycotoxins Using Surface-Enhanced Raman Scattering Mapping on 3D Plasmonic Nanopillar Arrays (Small 39/2018). <i>Small</i> , 2018 , 14, 1870179	11	14
382	Interaction of an Archimedean spiral structure with orbital angular momentum light. <i>New Journal of Physics</i> , 2018 , 20, 095005	2.9	9
381	Adsorption dynamics of CVD graphene investigated by a contactless microwave method. <i>2D Materials</i> , 2018 , 5, 035024	5.9	6
380	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
379	High-performance functional Renormalization Group calculations for interacting fermions. <i>Computer Physics Communications</i> , 2017 , 213, 100-110	4.2	30
378	Slow cooling and efficient extraction of C-exciton hot carriers in MoS monolayer. <i>Nature Communications</i> , 2017 , 8, 13906	17.4	95
377	Influence of Silver Film Quality on the Threshold of Plasmonic Nanowire Lasers. <i>Advanced Optical Materials</i> , 2017 , 5, 1600856	8.1	21
376	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
375	Decoupling absorption and emission processes in super-resolution localization of emitters in a plasmonic hotspot. <i>Nature Communications</i> , 2017 , 8, 14513	17.4	40
374	Tunable plasmonic metasurface for perfect absorption. <i>EPJ Applied Metamaterials</i> , 2017 , 4, 6	0.8	18
373	Attosecond physics at the nanoscale. <i>Reports on Progress in Physics</i> , 2017 , 80, 054401	14.4	201
372	Hybrid magnetite-gold nanoparticles as bifunctional magnetic-plasmonic systems: three representative cases. <i>Nanoscale Horizons</i> , 2017 , 2, 205-216	10.8	23
371	Electrochemically modified boron-doped diamond electrode with Pd and Pd-Sn nanoparticles for ethanol electrooxidation. <i>Electrochimica Acta</i> , 2017 , 243, 310-319	6.7	24
370	Plasmonic hot electron transport drives nano-localized chemistry. <i>Nature Communications</i> , 2017 , 8, 14880	17.4	238
369	Efficient Third Harmonic Generation from Metal-Dielectric Hybrid Nanoantennas. <i>Nano Letters</i> , 2017 , 17, 2647-2651	11.5	151
368	Spoof plasmon hybridization. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600191	8.3	37
367	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
366	Terahertz particle-in-liquid sensing with spoof surface plasmon polariton waveguides. <i>APL Photonics</i> , 2017 , 2, 116102	5.2	21

365	Challenges for lowly-doped phosphorus emitters in silicon solar cells with screen-printed silver contacts. <i>Energy Procedia</i> , 2017 , 124, 936-946	2.3	20
364	Low-Noise Plasmonic Nanopore Biosensors for Single Molecule Detection at Elevated Temperatures. <i>ACS Photonics</i> , 2017 , 4, 2835-2842	6.3	30
363	Theoretical investigation of phonon polaritons in SiC micropillar resonators. <i>Physical Review B</i> , 2017 , 95,	3.3	35
362	Improved Light Incoupling in Planar Solar Cells via Improved Texture Morphology of PDMS Scattering Layer 2017 ,		1
361	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
360	Spontaneous Emission inside a Hyperbolic Metamaterial Waveguide. <i>ACS Photonics</i> , 2017 , 4, 2513-2521	6.3	33
359	Tunable, Low Optical Loss Strontium Molybdate Thin Films for Plasmonic Applications. <i>Advanced Optical Materials</i> , 2017 , 5, 1700622	8.1	16
358	Surface Energy-Controlled SERS Substrates for Molecular Concentration at Plasmonic Nanogaps. <i>Advanced Functional Materials</i> , 2017 , 27, 1703376	15.6	57
357	Graphene Plasmon Cavities Made with Silicon Carbide. <i>ACS Omega</i> , 2017 , 2, 3640-3646	3.9	25
356	Graphene gas sensing using a non-contact microwave method. <i>Nanotechnology</i> , 2017 , 28, 395501	3.4	1
355	Degenerate Four-Wave Mixing in a Multiresonant Germanium Nanodisk. <i>ACS Photonics</i> , 2017 , 4, 2144-2149		54
354	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
353	Giant nonlinear response at a plasmonic nanofocus drives efficient four-wave mixing. <i>Science</i> , 2017 , 358, 1179-1181	33.3	67
352	Experimental Verification of Entanglement Generated in a Plasmonic System. <i>Nano Letters</i> , 2017 , 17, 7455-7461	11.5	15
351	Linear, Hypervalent Se Units and Unprecedented CuSe Building Blocks in the Copper(I) Selenide BaCuSe. <i>Inorganic Chemistry</i> , 2017 , 56, 9209-9218	5.1	5
350	3D Confocal Raman Tomography to Probe Field Enhancements inside Supercluster Metamaterials. <i>ACS Photonics</i> , 2017 , 4, 2070-2077	6.3	8
349	Room-temperature superfluidity in a polariton condensate. <i>Nature Physics</i> , 2017 , 13, 837-841	16.2	163
348	Interstitial light-trapping design for multi-junction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 159, 212-218	6.4	20

347	Fast Co-Diffusion Process for Bifacial n-Type Solar Cells. <i>Solar Rrl</i> , 2017 , 1, 1600005	7.1	7
346	Special Section Guest Editorial: Plasmonics Systems and Applications. <i>Optical Engineering</i> , 2017 , 56, 1	1.1	2
345	Comparison of the ultrafast hot electron dynamics of titanium nitride and gold for plasmonic applications 2017 ,		2
344	Quantum Plasmonics. <i>Proceedings of the IEEE</i> , 2016 , 104, 2307-2322	14.3	47
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