Stefan A Maier

List of Publications by Year
in descending order

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608	57,873	2215	1755
papers	citations	99 h-index	212 g-index

635	635	635	37490
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Fano resonance in plasmonic nanostructures and metamaterials. Nature Materials, 2010, 9, 707-715.	27.5	3,352
2	Local detection of electromagnetic energy transport below the diffraction limit in metal nanoparticle plasmon waveguides. Nature Materials, 2003, 2, 229-232.	27.5	2,207
3	Present and Future of Surface-Enhanced Raman Scattering. ACS Nano, 2020, 14, 28-117.	14.6	2,153
4	Plasmonics: Localization and guiding of electromagnetic energy in metal/dielectric structures. Journal of Applied Physics, 2005, 98, 011101.	2.5	1,660
5	Plasmonics-A Route to Nanoscale Optical Devices. Advanced Materials, 2001, 13, 1501-1505.	21.0	1,463
6	Quantum plasmonics. Nature Physics, 2013, 9, 329-340.	16.7	1,255
7	Plasmonic Nanoantennas: Fundamentals and Their Use in Controlling the Radiative Properties of Nanoemitters. Chemical Reviews, 2011, 111, 3888-3912.	47.7	1,224
8	Active control of electromagnetically induced transparency analogue in terahertz metamaterials. Nature Communications, 2012, 3, 1151.	12.8	1,008
9	Probing the Ultimate Limits of Plasmonic Enhancement. Science, 2012, 337, 1072-1074.	12.6	981
10	Symmetry Breaking in Plasmonic Nanocavities: Subradiant LSPR Sensing and a Tunable Fano Resonance. Nano Letters, 2008, 8, 3983-3988.	9.1	954
11	Sub-diffractional volume-confined polaritons in the natural hyperbolic material hexagonal boron nitride. Nature Communications, 2014, 5, 5221.	12.8	686
12	Terahertz Surface Plasmon-Polariton Propagation and Focusing on Periodically Corrugated Metal Wires. Physical Review Letters, 2006, 97, 176805.	7.8	682
13	On-Demand Single Photons with High Extraction Efficiency and Near-Unity Indistinguishability from a Resonantly Driven Quantum Dot in a Micropillar. Physical Review Letters, 2016, 116, 020401.	7.8	675
14	Fano Resonances in Individual Coherent Plasmonic Nanocavities. Nano Letters, 2009, 9, 1663-1667.	9.1	665
15	Highly confined guiding of terahertz surface plasmon polaritons on structured metal surfaces. Nature Photonics, 2008, 2, 175-179.	31.4	553
16	Low-loss, infrared and terahertz nanophotonics using surface phonon polaritons. Nanophotonics, 2015, 4, 44-68.	6.0	547
17	Active nanoplasmonic metamaterials. Nature Materials, 2012, 11, 573-584.	27.5	502
18	Observation of coupled plasmon-polariton modes in Au nanoparticle chain waveguides of different lengths: Estimation of waveguide loss. Applied Physics Letters, 2002, 81, 1714-1716.	3.3	486

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19	Tunability of Subradiant Dipolar and Fano-Type Plasmon Resonances in Metallic Ring/Disk Cavities: Implications for Nanoscale Optical Sensing. ACS Nano, 2009, 3, 643-652.	14.6	469
20	Non-plasmonic nanoantennas for surface enhanced spectroscopies with ultra-low heat conversion. Nature Communications, 2015, 6, 7915.	12.8	433
21	Two-Dimensional Crystals: Managing Light for Optoelectronics. ACS Nano, 2013, 7, 5660-5665.	14.6	398
22	Experimental Realization of Subradiant, Superradiant, and Fano Resonances in Ring/Disk Plasmonic Nanocavities. ACS Nano, 2010, 4, 1664-1670.	14.6	390
23	Nanoplasmonics: Classical down to the Nanometer Scale. Nano Letters, 2012, 12, 1683-1689.	9.1	389
24	Complex-amplitude metasurface-based orbital angular momentum holography in momentum space. Nature Nanotechnology, 2020, 15, 948-955.	31.5	386
25	Optical pulse propagation in metal nanoparticle chain waveguides. Physical Review B, 2003, 67, .	3.2	382
26	Third-harmonic-upconversion enhancement from a single semiconductor nanoparticle coupled to a plasmonic antenna. Nature Nanotechnology, 2014, 9, 290-294.	31.5	371
27	Nonlinear interactions in an organic polariton condensate. Nature Materials, 2014, 13, 271-278.	27.5	366
28	Observation of near-field coupling in metal nanoparticle chains using far-field polarization spectroscopy. Physical Review B, 2002, 65, .	3.2	365
29	Enhanced Third Harmonic Generation in Single Germanium Nanodisks Excited at the Anapole Mode. Nano Letters, 2016, 16, 4635-4640.	9.1	355
30	Low-Loss Electric and Magnetic Field-Enhanced Spectroscopy with Subwavelength Silicon Dimers. Journal of Physical Chemistry C, 2013, 117, 13573-13584.	3.1	347
31	Plasmonic Light-Harvesting Devices over the Whole Visible Spectrum. Nano Letters, 2010, 10, 2574-2579.	9.1	345
32	Plasmonic hot electron transport drives nano-localized chemistry. Nature Communications, 2017, 8, 14880.	12.8	328
33	Electron Energy-Loss Spectroscopy (EELS) of Surface Plasmons in Single Silver Nanoparticles and Dimers: Influence of Beam Damage and Mapping of Dark Modes. ACS Nano, 2009, 3, 3015-3022.	14.6	322
34	Transformation Optics and Subwavelength Control of Light. Science, 2012, 337, 549-552.	12.6	310
35	Advances and applications of nanophotonic biosensors. Nature Nanotechnology, 2022, 17, 5-16.	31.5	308
36	Plasmonic field enhancement and SERS in the effective mode volume picture. Optics Express, 2006, 14, 1957.	3.4	307

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37	Metasurface orbital angular momentum holography. Nature Communications, 2019, 10, 2986.	12.8	303
38	Fano Resonances in Nanoscale Plasmonic Systems: A Parameter-Free Modeling Approach. Nano Letters, 2011, 11, 2835-2840.	9.1	287
39	Attosecond physics at the nanoscale. Reports on Progress in Physics, 2017, 80, 054401.	20.1	274
40	Ultrafast plasmonic nanowire lasers near the surface plasmon frequency. Nature Physics, 2014, 10, 870-876.	16.7	262
41	Low-Loss, Extreme Subdiffraction Photon Confinement via Silicon Carbide Localized Surface Phonon Polariton Resonators. Nano Letters, 2013, 13, 3690-3697.	9.1	259
42	High-Resolution Mapping of Electron-Beam-Excited Plasmon Modes in Lithographically Defined Gold Nanostructures. Nano Letters, 2011, 11, 1323-1330.	9.1	253
43	Room-temperature superfluidity in a polariton condensate. Nature Physics, 2017, 13, 837-841.	16.7	250
44	Giant photoluminescence enhancement in tungsten-diselenideâ€“gold plasmonic hybrid structures. Nature Communications, 2016, 7, 11283.	12.8	244
45	Nanoporous Plasmonic Metamaterials. Advanced Materials, 2008, 20, 1211-1217.	21.0	242
46	Highly confined electromagnetic fields in arrays of strongly coupled Ag nanoparticles. Physical Review B, 2005, 71, .	3.2	238
47	Surface Plasmons and Nonlocality: A Simple Model. Physical Review Letters, 2013, 111, 093901.	7.8	223
48	Hybrid nanoparticleâ€“microcavity-based plasmonic nanosensors with improved detection resolution and extended remote-sensing ability. Nature Communications, 2012, 3, 1108.	12.8	215
49	Bridging the Gap between Dielectric Nanophotonics and the Visible Regime with Effectively Lossless Gallium Phosphide Antennas. Nano Letters, 2017, 17, 1219-1225.	9.1	208
50	Platelet factor 4 binds to bacteria, inducing antibodies cross-reacting with the major antigen in heparin-induced thrombocytopenia. Blood, 2011, 117, 1370-1378.	1.4	207
51	Photo-induced enhanced Raman spectroscopy for universal ultra-trace detection of explosives, pollutants and biomolecules. Nature Communications, 2016, 7, 12189.	12.8	201
52	Efficient Third Harmonic Generation from Metalâ€“Dielectric Hybrid Nanoantennas. Nano Letters, 2017, 17, 2647-2651.	9.1	201
53	Efficient Third Harmonic Generation and Nonlinear Subwavelength Imaging at a Higher-Order Anapole Mode in a Single Germanium Nanodisk. ACS Nano, 2017, 11, 953-960.	14.6	201
54	CECAL LIGATION AND PUNCTURE VERSUS COLON ASCENDENS STENT PERITONITIS: TWO DISTINCT ANIMAL MODELS FOR POLYMICROBIAL SEPSIS. Shock, 2004, 21, 505-512.	2.1	199

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55	Role of Defects in the Phase Transition of VO₂ Nanoparticles Probed by Plasmon Resonance Spectroscopy. Nano Letters, 2012, 12, 780-786.	9.1	196
56	Transformation-Optics Description of Nonlocal Effects in Plasmonic Nanostructures. Physical Review Letters, 2012, 108, 106802.	7.8	188
57	Multiresonant Broadband Optical Antennas As Efficient Tunable Nanosources of Second Harmonic Light. Nano Letters, 2012, 12, 4997-5002.	9.1	184
58	Electric and Magnetic Field Enhancement with Ultralow Heat Radiation Dielectric Nanoantennas: Considerations for Surface-Enhanced Spectroscopies. ACS Photonics, 2014, 1, 524-529.	6.6	181
59	Ultrastrongly Coupled Excitonâ€“Polaritons in Metalâ€Clad Organic Semiconductor Microcavities. Advanced Optical Materials, 2013, 1, 827-833.	7.3	180
60	Terahertz All-Dielectric Magnetic Mirror Metasurfaces. ACS Photonics, 2016, 3, 1010-1018.	6.6	177
61	Enhanced Surface Plasmon Resonance on a Smooth Silver Film with a Seed Growth Layer. ACS Nano, 2010, 4, 3139-3146.	14.6	174
62	Plasmonic Systems Unveiled by Fano Resonances. ACS Nano, 2012, 6, 1830-1838.	14.6	172
63	Revealing Plasmonic Gap Modes in Particle-on-Film Systems Using Dark-Field Spectroscopy. ACS Nano, 2012, 6, 1380-1386.	14.6	167
64	Spoof Plasmon Surfaces: A Novel Platform for THz Sensing. Advanced Optical Materials, 2013, 1, 543-548.	7.3	165
65	Controlling Light Localization and Lightâ€“Matter Interactions with Nanoplasmonics. Small, 2010, 6, 2498-2507.	10.0	163
66	Field enhancement within an optical fibre with a subwavelength air core. Nature Photonics, 2007, 1, 115-118.	31.4	162
67	Hybrid phase-change plasmonic crystals for active tuning of lattice resonances. Optics Express, 2013, 21, 13691.	3.4	162
68	Plasmonics: The Promise of Highly Integrated Optical Devices. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 1671-1677.	2.9	155
69	Unidirectional Side Scattering of Light by a Single-Element Nanoantenna. Nano Letters, 2013, 13, 3843-3849.	9.1	152
70	Accelerating CO₂ Electroreduction to Multicarbon Products via Synergistic Electricâ€“Thermal Field on Copper Nanoneedles. Journal of the American Chemical Society, 2022, 144, 3039-3049.	13.7	147
71	Subgroup Decomposition of Plasmonic Resonances in Hybrid Oligomers: Modeling the Resonance Lineshape. Nano Letters, 2012, 12, 2101-2106.	9.1	144
72	Plasmonic particle-on-film nanocavities: a versatile platform for plasmon-enhanced spectroscopy and photochemistry. Nanophotonics, 2018, 7, 1865-1889.	6.0	141

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73	Gain-assisted propagation of electromagnetic energy in subwavelength surface plasmon polariton gap waveguides. Optics Communications, 2006, 258, 295-299.	2.1	139
74	Broadband spoof plasmons and subwavelength electromagnetic energy confinement on ultrathin metafilms. Optics Express, 2009, 17, 18184.	3.4	134
75	Polarized Plasmonic Enhancement by Au Nanostructures Probed through Raman Scattering of Suspended Graphene. Nano Letters, 2013, 13, 301-308.	9.1	134
76	Spectral Tuning of Localized Surface Phonon Polariton Resonators for Low-Loss Mid-IR Applications. ACS Photonics, 2014, 1, 718-724.	6.6	134
77	Experimental demonstration of fiber-accessible metal nanoparticle plasmon waveguides for planar energy guiding and sensing. Applied Physics Letters, 2005, 86, 071103.	3.3	132
78	Slow cooling and efficient extraction of C-exciton hot carriers in MoS2 monolayer. Nature Communications, 2017, 8, 13906.	12.8	132
79	Nonlocal Effects in the Nanofocusing Performance of Plasmonic Tips. Nano Letters, 2012, 12, 3308-3314.	9.1	131
80	From Optical to Chemical Hot Spots in Plasmonics. Accounts of Chemical Research, 2019, 52, 2525-2535.	15.6	131
81	Bridging electromagnetic and carrier transport calculations for three-dimensional modelling of plasmonic solar cells. Optics Express, 2011, 19, A888.	3.4	130
82	Plasmonic Fano resonances in nanohole quadrumers for ultra-sensitive refractive index sensing. Nanoscale, 2014, 6, 4705-4715.	5.6	129
83	Enhanced tunability and linewidth sharpening of plasmon resonances in hybridized metallic ring/disk nanocavities. Physical Review B, 2007, 76, .	3.2	128
84	Ultrasensitive Broadband Probing of Molecular Vibrational Modes with Multifrequency Optical Antennas. ACS Nano, 2013, 7, 669-675.	14.6	125
85	Loss mitigation in plasmonic solar cells: aluminium nanoparticles for broadband photocurrent enhancements in GaAs photodiodes. Scientific Reports, 2013, 3, 2874.	3.3	125
86	Interaction between Plasmonic Nanoparticles Revisited with Transformation Optics. Physical Review Letters, 2010, 105, 233901.	7.8	123
87	Multiâ€dimensional modeling of solar cells with electromagnetic and carrier transport calculations. Progress in Photovoltaics: Research and Applications, 2013, 21, 109-120.	8.1	122
88	Plasmonics: Metal Nanostructures for Subwavelength Photonic Devices. IEEE Journal of Selected Topics in Quantum Electronics, 2006, 12, 1214-1220.	2.9	118
89	All-dielectric planar chiral metasurface with gradient geometric phase. Optics Express, 2018, 26, 6067.	3.4	117
90	Scattering efficiency and near field enhancement of active semiconductor plasmonic antennas at terahertz frequencies. Optics Express, 2010, 18, 2797.	3.4	116

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91	Threeâ€Dimensionally Isotropic Negative Refractive Index Materials from Block Copolymer Selfâ€Assembled Chiral Gyroid Networks. Angewandte Chemie - International Edition, 2011, 50, 11985-11989.	13.8	116
92	Allâ€Dielectric Crescent Metasurface Sensor Driven by Bound States in the Continuum. Advanced Functional Materials, 2021, 31, 2104652.	14.9	115
93	Engineering the Phase Front of Light with Phase-Change Material Based Planar lenses. Scientific Reports, 2015, 5, 8660.	3.3	114
94	Tunable near-infrared plasmonic perfect absorber based on phase-change materials. Photonics Research, 2015, 3, 54.	7.0	111
95	Optical and Structural Properties of Ultraâ€thin Gold Films. Advanced Optical Materials, 2015, 3, 71-77.	7.3	111
96	Broad-Band Near-Infrared Plasmonic Nanoantennas for Higher Harmonic Generation. ACS Nano, 2012, 6, 3537-3544.	14.6	106
97	Spectral Screening of the Energy of Hot Holes over a Particle Plasmon Resonance. Nano Letters, 2019, 19, 1867-1874.	9.1	106
98	Optically-Triggered Nanoscale Memory Effect in a Hybrid Plasmonic-Phase Changing Nanostructure. ACS Photonics, 2015, 2, 1306-1313.	6.6	105
99	High-order localized spoof surface plasmon resonances and experimental verifications. Scientific Reports, 2015, 5, 9590.	3.3	104
100	Electromagnetic energy transport along arrays of closely spaced metal rods as an analogue to plasmonic devices. Applied Physics Letters, 2001, 78, 16-18.	3.3	103
101	Giant nonlinear response at a plasmonic nanofocus drives efficient four-wave mixing. Science, 2017, 358, 1179-1181.	12.6	102
102	Rapid Ultrasensitive Single Particle Surface-Enhanced Raman Spectroscopy Using Metallic Nanopores. Nano Letters, 2013, 13, 4602-4609.	9.1	100
103	Highly Enhanced Third-Harmonic Generation in 2D Perovskites at Excitonic Resonances. ACS Nano, 2018, 12, 644-650.	14.6	100
104	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. Genome Research, 2001, 11, 1053-1070.	5.5	99
105	Sepsis after major visceral surgery is associated with sustained and interferon-Î³â€“resistant defects of monocyte cytokine production. Surgery, 2000, 127, 309-315.	1.9	97
106	Metallic mode confinement in microstructured fibres. Optics Express, 2008, 16, 5983.	3.4	97
107	Strongly confined gap plasmon modes in graphene sandwiches and graphene-on-silicon. New Journal of Physics, 2013, 15, 063020.	2.9	97
108	Selectively Plasmon-Enhanced Second-Harmonic Generation from Monolayer Tungsten Diselenide on Flexible Substrates. ACS Nano, 2018, 12, 1859-1867.	14.6	97

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109	Optically Induced Interaction of Magnetic Moments in Hybrid Metamaterials. ACS Nano, 2012, 6, 837-842.	14.6	96
110	Optical properties and structural characteristics of ZnMgO grown by plasma assisted molecular beam epitaxy. Journal of Applied Physics, 2009, 105, .	2.5	93
111	High-Efficiency Second Harmonic Generation from a Single Hybrid ZnO Nanowire/Au Plasmonic Nano-Oligomer. Nano Letters, 2014, 14, 6660-6665.	9.1	93
112	Quantifying Figures of Merit for Localized Surface Plasmon Resonance Applications: A Materials Survey. ACS Photonics, 2019, 6, 240-259.	6.6	93
113	Broadband Terahertz Sensing on Spoof Plasmon Surfaces. ACS Photonics, 2014, 1, 1059-1067.	6.6	92
114	Switchable directional scattering of electromagnetic radiation with subwavelength asymmetric silicon dimers. Scientific Reports, 2016, 5, 18322.	3.3	91
115	Titanium Oxynitride Thin Films with Tunable Double Epsilon-Near-Zero Behavior for Nanophotonic Applications. ACS Applied Materials & Interfaces, 2017, 9, 29857-29862.	8.0	91
116	Internal excitation and superfocusing of surface plasmon polaritons on a silver-coated optical fiber tip. Physical Review A, 2007, 75, .	2.5	89
117	Collection and Concentration of Light by Touching Spheres: A Transformation Optics Approach. Physical Review Letters, 2010, 105, 266807.	7.8	89
118	Plasmonic Hybridization between Nanowires and a Metallic Surface: A Transformation Optics Approach. ACS Nano, 2011, 5, 3293-3308.	14.6	89
119	Highly Sensitive Single Domain Antibodyâ€“Quantum Dot Conjugates for Detection of HER2 Biomarker in Lung and Breast Cancer Cells. ACS Nano, 2014, 8, 5682-5695.	14.6	89
120	Treatment of a Lysosomal Storage Disease, Mucopolysaccharidosis VII, with Microencapsulated Recombinant Cells. Human Gene Therapy, 2000, 11, 2117-2127.	2.7	87
121	Critical Role of Kupffer Cell-Derived IL-10 for Host Defense in Septic Peritonitis. Journal of Immunology, 2001, 167, 3919-3927.	0.8	87
122	Enhanced light-matter interaction in an atomically thin semiconductor coupled with dielectric nano-antennas. Nature Communications, 2019, 10, 5119.	12.8	87
123	Observation of Quantum Interference in the Plasmonic Hong-Ou-Mandel Effect. Physical Review Applied, 2014, 1, .	3.8	86
124	Spoof Surface Plasmon Polariton Modes Propagating Along Periodically Corrugated Wires. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 1515-1521.	2.9	84
125	Quantum Statistics of Surface Plasmon Polaritons in Metallic Stripe Waveguides. Nano Letters, 2012, 12, 2504-2508.	9.1	84
126	Directional Fluorescence Emission by Individual V-Antennas Explained by Mode Expansion. ACS Nano, 2014, 8, 8232-8241.	14.6	84

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127	Surface Energyâ€Controlled SERS Substrates for Molecular Concentration at Plasmonic Nanogaps. Advanced Functional Materials, 2017, 27, 1703376.	14.9	84
128	Ultrahigh numerical aperture meta-fibre for flexible optical trapping. Light: Science and Applications, 2021, 10, 57.	16.6	84
129	Broadband Light Harvesting Nanostructures Robust to Edge Bluntness. Physical Review Letters, 2012, 108, 023901.	7.8	82
130	Unidirectional light scattering with high efficiency at optical frequencies based on low-loss dielectric nanoantennas. Nanoscale, 2016, 8, 14184-14192.	5.6	82
131	Understanding and Reducing Photothermal Forces for the Fabrication of Au Nanoparticle Dimers by Optical Printing. Nano Letters, 2017, 17, 5747-5755.	9.1	81
132	The New â€œpâ€“n Junctionâ€• Plasmonics Enables Photonic Access to the Nanoworld. MRS Bulletin, 2005, 30, 385-389.	3.5	80
133	Experimental Demonstration of Tunable Directional Scattering of Visible Light from All-Dielectric Asymmetric Dimers. ACS Photonics, 2017, 4, 489-494.	6.6	78
134	Low-loss fiber accessible plasmon waveguide for planar energy guiding and sensing. Applied Physics Letters, 2004, 84, 3990-3992.	3.3	76
135	Effective Mode Volume of Nanoscale Plasmon Cavities. Optical and Quantum Electronics, 2006, 38, 257-267.	3.3	74
136	Terahertz pulse propagation using plasmon-polariton-like surface modes on structured conductive surfaces. Applied Physics Letters, 2006, 88, 251120.	3.3	74
137	Identification of Bloch-modes in hollow-core photonic crystal fiber cladding. Optics Express, 2007, 15, 325.	3.4	73
138	High Aspect Subdiffraction-Limit Photolithography via a Silver Superlens. Nano Letters, 2012, 12, 1549-1554.	9.1	72
139	Plasmonic Nanoantennas for Multispectral Surface-Enhanced Spectroscopies. Journal of Physical Chemistry C, 2013, 117, 18620-18626.	3.1	71
140	Direct Optical Tuning of the Terahertz Plasmonic Response of InSb Subwavelength Gratings. Advanced Optical Materials, 2013, 1, 128-132.	7.3	71
141	Ultrafast All-Optical Modulation in 2D Hybrid Perovskites. ACS Nano, 2019, 13, 9504-9510.	14.6	71
142	Nonlinearly coupled localized plasmon resonances: Resonant second-harmonic generation. Physical Review B, 2012, 86, .	3.2	70
143	Degenerate Four-Wave Mixing in a Multiresonant Germanium Nanodisk. ACS Photonics, 2017, 4, 2144-2149.	6.6	70
144	The Interplay of Symmetry and Scattering Phase in Second Harmonic Generation from Gold Nanoantennas. Nano Letters, 2016, 16, 5278-5285.	9.1	69

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145	Negative Refraction in Time-Varying Strongly Coupled Plasmonic-Antennaâ€“Epsilon-Near-Zero Systems. Physical Review Letters, 2020, 124, 043902.	7.8	69
146	Plasmonics - Towards Subwavelength Optical Devices. Current Nanoscience, 2005, 1, 17-22.	1.2	68
147	Broadband nano-focusing of light using kissing nanowires. New Journal of Physics, 2010, 12, 093030.	2.9	68
148	Mega-electron-volt ion beam induced anisotropic plasmon resonance of silver nanocrystals in glass. Applied Physics Letters, 2003, 83, 4137-4139.	3.3	67
149	Plasmon induced thermoelectric effect in graphene. Nature Communications, 2018, 9, 5190.	12.8	67
150	Sensitive and Reproducible Immunoassay of Multiple Mycotoxins Using Surfaceâ€Enhanced Raman Scattering Mapping on 3D Plasmonic Nanopillar Arrays. Small, 2018, 14, e1801623.	10.0	67
151	Quantum Plasmonics. Proceedings of the IEEE, 2016, 104, 2307-2322.	21.3	66
152	Broadband plasmonic device concentrating the energy at the nanoscale: The crescent-shaped cylinder. Physical Review B, 2010, 82, .	3.2	65
153	Nanoplasmonics: Engineering and observation of localized plasmon modes. Laser and Photonics Reviews, 2012, 6, 277-295.	8.7	65
154	Nonlinear frequency conversion in optical nanoantennas and metasurfaces: materials evolution and fabrication. Opto-Electronic Advances, 2018, 1, 18002101-18002112.	13.3	65
155	Enhanced high-order-harmonic generation in a carbon ablation plume. Physical Review A, 2012, 85, .	2.5	64
156	Single-particle plasmon resonance spectroscopy of phase transition in vanadium dioxide. Optics Letters, 2010, 35, 3988.	3.3	63
157	Graphene as a Tunable Anisotropic or Isotropic Plasmonic Metasurface. ACS Nano, 2016, 10, 5499-5506.	14.6	63
158	Homoepitaxial Growth of Largeâ€Scale Highly Organized Transition Metal Dichalcogenide Patterns. Advanced Materials, 2018, 30, 1704674.	21.0	63
159	Lattice resonances in antenna arrays for liquid sensing in the terahertz regime. Optics Express, 2011, 19, 14653.	3.4	62
160	Spoof plasmon polaritons in slanted geometries. Physical Review B, 2012, 85, .	3.2	62
161	Electron-Energy Loss Study of Nonlocal Effects in Connected Plasmonic Nanoprisms. ACS Nano, 2013, 7, 6287-6296.	14.6	62
162	Strong and Coherent Coupling between Localized and Propagating Phonon Polaritons. Physical Review Letters, 2016, 116, 246402.	7.8	62

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163	Dynamics of Photoâ€Induced Surface Oxygen Vacancies in Metalâ€Oxide Semiconductors Studied Under Ambient Conditions. Advanced Science, 2019, 6, 1901841.	11.2	62
164	Charge transfer statistics of a molecular quantum dot with strong electron-phonon interaction. Physical Review B, 2011, 83, .	3.2	61
165	Low-voltage polariton electroluminescence from an ultrastrongly coupled organic light-emitting diode. Applied Physics Letters, 2014, 104, .	3.3	61
166	Ultrafast subâ€“30-fs all-optical switching based on gallium phosphide. Science Advances, 2019, 5, eaaw3262.	10.3	61
167	Efficient ultrafast all-optical modulation in a nonlinear crystalline gallium phosphide nanodisk at the anapole excitation. Science Advances, 2020, 6, .	10.3	61
168	Impaired Monocyte IL-12 Production Before Surgery as a Predictive Factor for the Lethal Outcome of Postoperative Sepsis. Annals of Surgery, 2002, 235, 560-567.	4.2	60
169	High-order harmonic generation in graphite plasma plumes using ultrashort laser pulses: a systematic analysis of harmonic radiation and plasma conditions. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 165402.	1.5	60
170	Greatly enhanced continuous-wave terahertz emission by nano-electrodes in a photoconductive photomixer. Nature Photonics, 2012, 6, 121-126.	31.4	60
171	Nanoscale Control of Molecular Self-Assembly Induced by Plasmonic Hot-Electron Dynamics. ACS Nano, 2018, 12, 2184-2192.	14.6	60
172	Phylogenetic Analysis Reveals a Novel Protein Family Closely Related to Adenosine Deaminase. Journal of Molecular Evolution, 2005, 61, 776-794.	1.8	59
173	Broadband Terahertz Plasmonic Response of Touching InSb Disks. Advanced Materials, 2012, 24, OP226-30.	21.0	59
174	Dip-pen patterning of poly(9,9-dioctylfluorene) chain-conformation-based nano-photonic elements. Nature Communications, 2015, 6, 5977.	12.8	59
175	COLON ASCENDENS STENT PERITONITIS-A MODEL OF SEPSIS ADOPTED TO THE RAT. Shock, 2007, 28, 59-64.	2.1	58
176	Anapole Excitations in Oxygen-Vacancy-Rich TiO_{2â€“x} Nanoresonators: Tuning the Absorption for Photocatalysis in the Visible Spectrum. ACS Nano, 2020, 14, 2456-2464.	14.6	58
177	Adiabatic Nanofocusing in Hybrid Gap Plasmon Waveguides on the Silicon-on-Insulator Platform. Nano Letters, 2016, 16, 1410-1414.	9.1	57
178	Fabrication robustness in BIC metasurfaces. Nanophotonics, 2021, 10, 4305-4312.	6.0	57
179	Giant second-harmonic generation in ferroelectric NbOI2. Nature Photonics, 2022, 16, 644-650.	31.4	57
180	Two-photon interference from remote quantum dots with inhomogeneously broadened linewidths. Physical Review B, 2014, 89, .	3.2	56

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181	Giant and Tunable Optical Nonlinearity in Singleâ€Crystalline 2D Perovskites due to Excitonic and Plasma Effects. Advanced Materials, 2019, 31, e1902685.	21.0	56
182	Discovering Electronâ€Transferâ€Driven Changes in Chemical Bonding in Lead Chalcogenides (PbX, where) Tj ETQq0 0 0 rgBT /Overlock	21.0	56
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