Anatoly V Zayats

List of Publications by Year
in descending order

180	16,342	31902 53	15218 126
papers	citations	h-index	g-index

184	184	184	13524
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonlinear plasmonics. Nature Photonics, 2012, 6, 737-748.	15.6	2,200
2	Nano-optics of surface plasmon polaritons. Physics Reports, 2005, 408, 131-314.	10.3	2,082
3	Plasmonic nanorod metamaterials for biosensing. Nature Materials, 2009, 8, 867-871.	13.3	1,529
4	Spinâ€“orbit interactions of light. Nature Photonics, 2015, 9, 796-808.	15.6	1,526
5	Near-Field Interference for the Unidirectional Excitation of Electromagnetic Guided Modes. Science, 2013, 340, 328-330.	6.0	571
6	Near-field photonics: surface plasmon polaritons and localized surface plasmons. Journal of Optics, 2003, 5, S16-S50.	1.5	480
7	Designed ultrafast optical nonlinearity in a plasmonic nanorod metamaterial enhanced by nonlocality. Nature Nanotechnology, 2011, 6, 107-111.	15.6	432
8	Single-nanowire spectrometers. Science, 2019, 365, 1017-1020.	6.0	291
9	Spinâ€“orbit coupling in surface plasmon scattering by nanostructures. Nature Communications, 2014, 5, 5327.	5.8	250
10	Optical Nonlocalities and Additional Waves in Epsilon-Near-Zero Metamaterials. Physical Review Letters, 2009, 102, 127405.	2.9	249
11	Ultrafast synthesis and switching of light polarization in nonlinear anisotropic metamaterials. Nature Photonics, 2017, 11, 628-633.	15.6	239
12	Photonic spin Hall effect in hyperbolic metamaterials for polarization-controlled routing of subwavelength modes. Nature Communications, 2014, 5, 3226.	5.8	229
13	Deep-subwavelength features of photonic skyrmions in a confined electromagnetic field with orbital angular momentum. Nature Physics, 2019, 15, 650-654.	6.5	176
14	Lateral forces on circularly polarizable particles near a surface. Nature Communications, 2015, 6, 8799.	5.8	159
15	Low-Loss Multilayered Metamaterial Exhibiting a Negative Index of Refraction at Visible Wavelengths. Physical Review Letters, 2011, 106, 067402.	2.9	158
16	High-Performance Biosensing Using Arrays of Plasmonic Nanotubes. ACS Nano, 2010, 4, 2210-2216.	7.3	140
17	Anisotropic optical properties of arrays of gold nanorods embedded in alumina. Physical Review B, 2006, 73, .	1.1	137
18	Growth and properties of gold and nickel nanorods in thin film alumina. Nanotechnology, 2006, 17, 5746-5753.	1.3	132

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19	Janus and Huygens Dipoles: Near-Field Directionality Beyond Spin-Momentum Locking. Physical Review Letters, 2018, 120, 117402.	2.9	130
20	Eliminating material constraints for nonlinearity with plasmonic metamaterials. Nature Communications, 2015, 6, 7757.	5.8	123
21	Manipulating polarization of light with ultrathin epsilon-near-zero metamaterials. Optics Express, 2013, 21, 14907.	1.7	119
22	Three-dimensional numerical modeling of photonic integration with dielectric-loaded SPP waveguides. Physical Review B, 2008, 78, .	1.1	117
23	Low-Temperature Plasmonics of Metallic Nanostructures. Nano Letters, 2012, 12, 1561-1565.	4.5	113
24	Guided plasmonic modes in nanorod assemblies: strong electromagnetic coupling regime. Optics Express, 2008, 16, 7460.	1.7	109
25	Near-field second harmonic generation from a rough metal surface. Physical Review B, 1997, 56, 9290-9293.	1.1	106
26	Hydrogen Detected by the Naked Eye: Optical Hydrogen Gas Sensors Based on Core/Shell Plasmonic Nanorod Metamaterials. Advanced Materials, 2014, 26, 3532-3537.	11.1	104
27	Bulk plasmonâ€polaritons in hyperbolic nanorod metamaterial waveguides. Laser and Photonics Reviews, 2015, 9, 345-353.	4.4	104
28	Microscopic model of Purcell enhancement in hyperbolic metamaterials. Physical Review B, 2012, 86, .	1.1	99
29	Spontaneous photon-pair generation from a dielectric nanoantenna. Optica, 2019, 6, 1416.	4.8	98
30	Near-field microscopy of surface-plasmon polaritons: Localization and internal interface imaging. Physical Review B, 1995, 51, 17916-17924.	1.1	97
31	Reactive tunnel junctions in electrically driven plasmonic nanorod metamaterials. Nature Nanotechnology, 2018, 13, 159-164.	15.6	95
32	Titanium Oxynitride Thin Films with Tunable Double Epsilon-Near-Zero Behavior for Nanophotonic Applications. ACS Applied Materials & Interfaces, 2017, 9, 29857-29862.	4.0	91
33	Surface Plasmon Polariton Amplification upon Electrical Injection in Highly Integrated Plasmonic Circuits. Nano Letters, 2012, 12, 2459-2463.	4.5	86
34	Plasmonic Metamaterials for Nanochemistry and Sensing. Accounts of Chemical Research, 2019, 52, 3018-3028.	7.6	85
35	Refractive index sensing with hyperbolic metamaterials: strategies for biosensing and nonlinearity enhancement. Optics Express, 2015, 23, 14329.	1.7	82
36	Nonlinearity-Induced Multiplexed Optical Trapping and Manipulation with Femtosecond Vector Beams. Nano Letters, 2018, 18, 5538-5543.	4.5	82

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37	Transverse spinning of unpolarized light. Nature Photonics, 2021, 15, 156-161.	15.6	82
38	Nonperturbative Hydrodynamic Model for Multiple Harmonics Generation in Metallic Nanostructures. ACS Photonics, 2015, 2, 8-13.	3.2	79
39	Freeâ€electron Optical Nonlinearities in Plasmonic Nanostructures: A Review of the Hydrodynamic Description. Laser and Photonics Reviews, 2018, 12, 1700082.	4.4	79
40	All-Plasmonic Modulation via Stimulated Emission of Copropagating Surface Plasmon Polaritons on a Substrate with Gain. Nano Letters, 2011, 11, 2231-2235.	4.5	76
41	Spontaneous emission in non-local materials. Light: Science and Applications, 2017, 6, e16273-e16273.	7.7	75
42	Nonlocal optics of plasmonic nanowire metamaterials. Physical Review B, 2014, 89, .	1.1	74
43	Nonlocality-driven supercontinuum white light generation in plasmonic nanostructures. Nature Communications, 2016, 7, 11497.	5.8	73
44	Ultrafast all-optical modulation with hyperbolic metamaterial integrated in Si photonic circuitry. Optics Express, 2014, 22, 10987.	1.7	71
45	Nonlinearly coupled localized plasmon resonances: Resonant second-harmonic generation. Physical Review B, 2012, 86, .	1.1	70
46	Lateral Casimir Force on a Rotating Particle near a Planar Surface. Physical Review Letters, 2017, 118, 133605.	2.9	69
47	Giant Enhancement of Second-Order Nonlinearity of Epsilon-near- Zero Medium by a Plasmonic Metasurface. Nano Letters, 2020, 20, 5421-5427.	4.5	69
48	Ultrafast Optical Modulation of Second- and Third-Harmonic Generation from Cut-Disk-Based Metasurfaces. ACS Photonics, 2016, 3, 1517-1522.	3.2	63
49	Purcell effect in hyperbolic metamaterial resonators. Physical Review B, 2015, 92, .	1.1	62
50	DNA-Assembled Plasmonic Waveguides for Nanoscale Light Propagation to a Fluorescent Nanodiamond. Nano Letters, 2018, 18, 7323-7329.	4.5	58
51	The third plasmonic revolution. Nature Nanotechnology, 2010, 5, 482-483.	15.6	57
52	Looking into Meta-Atoms of Plasmonic Nanowire Metamaterial. Nano Letters, 2014, 14, 4971-4976.	4.5	57
53	Hyperbolic metamaterial antenna for second-harmonic generation tomography. Optics Express, 2015, 23, 30730.	1.7	56
54	Ultrasensitive Nonâ€Resonant Detection of Ultrasound with Plasmonic Metamaterials. Advanced Materials, 2013, 25, 2351-2356.	11.1	54

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55	Light-induced symmetry breaking for enhancing second-harmonic generation from an ultrathin plasmonic nanocavity. Nature Communications, 2021, 12, 4326.	5.8	54
56	Circular dichroism enhancement in plasmonic nanorod metamaterials. Optics Express, 2018, 26, 17841.	1.7	52
57	Plasmonic Core/Shell Nanorod Arrays:â€‰ Subattoliter Controlled Geometry and Tunable Optical Properties. Journal of Physical Chemistry C, 2007, 111, 12522-12527.	1.5	51
58	Fabrication and optical properties of gold nanotube arrays. Journal of Physics Condensed Matter, 2008, 20, 362203.	0.7	51
59	Plasmonic enhancement of nonlinear magneto-optical response in nickel nanorod metamaterials. Physical Review B, 2013, 87, .	1.1	51
60	Unidirectional evanescent-wave coupling from circularly polarized electric and magnetic dipoles: An angular spectrum approach. Physical Review B, 2017, 95, .	1.1	51
61	Transverse spin dynamics in structured electromagnetic guided waves. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	51
62	Broadband and broadangle SPP antennas based on plasmonic crystals with linear chirp. Scientific Reports, 2012, 2, 829.	1.6	49
63	Active Nanophotonic Circuitry Based on Dielectricâ€loaded Plasmonic Waveguides. Advanced Optical Materials, 2015, 3, 1662-1690.	3.6	49
64	Photonic Spin Lattices: Symmetry Constraints for Skyrmion and Meron Topologies. Physical Review Letters, 2021, 127, 237403.	2.9	49
65	Hyperspectral imaging with scanning near-field optical microscopy: applications in plasmonics. Optics Express, 2010, 18, 16513.	1.7	45
66	Scattering suppression from arbitrary objects in spatially dispersive layered metamaterials. Physical Review B, 2015, 91, .	1.1	45
67	Amplification of surface-enhanced Raman scattering due to substrate-mediated localized surface plasmons in gold nanodimers. Journal of Materials Chemistry C, 2017, 5, 4075-4084.	2.7	44
68	Spontaneous Emission inside a Hyperbolic Metamaterial Waveguide. ACS Photonics, 2017, 4, 2513-2521.	3.2	43
69	Secondâ€Harmonic Generation from Hyperbolic Plasmonic Nanorod Metamaterial Slab. Laser and Photonics Reviews, 2018, 12, 1700189.	4.4	43
70	Nano-opto-mechanical effects in plasmonic waveguides. Laser and Photonics Reviews, 2014, 8, 131-136.	4.4	42
71	Spectral variation of fluorescence lifetime near single metal nanoparticles. Scientific Reports, 2016, 6, 21349.	1.6	42
72	Experimental demonstration of linear and spinning Janus dipoles for polarisation- and wavelength-selective near-field coupling. Light: Science and Applications, 2019, 8, 52.	7.7	40

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73	Tuning the effective plasma frequency of nanorod metamaterials from visible to telecom wavelengths. Applied Physics Letters, 2015, 107, .	1.5	39
74	Spin and Geometric Phase Control Fourâ€Wave Mixing from Metasurfaces. Laser and Photonics Reviews, 2018, 12, 1800034.	4.4	38
75	Magnetoâ€Optical Metamaterials: Nonreciprocal Transmission and Faraday Effect Enhancement. Advanced Optical Materials, 2019, 7, 1801420.	3.6	38
76	Nonlinear Goniometry by Second-Harmonic Generation in AlGaAs Nanoantennas. ACS Photonics, 2018, 5, 4386-4392.	3.2	37
77	Tailoring and enhancing spontaneous two-photon emission using resonant plasmonic nanostructures. Physical Review A, 2012, 86, .	1.0	34
78	Designer photonic dynamics by using non-uniform electron temperature distribution for on-demand all-optical switching times. Nature Communications, 2019, 10, 2967.	5.8	34
79	Theory of hot electrons: general discussion. Faraday Discussions, 2019, 214, 245-281.	1.6	34
80	Fabrication and optical properties of large-scale arrays of gold nanocavities based on rod-in-a-tube coaxials. Applied Physics Letters, 2013, 102, .	1.5	33
81	Experimental demonstration of dielectric-loaded plasmonic waveguide disk resonators at telecom wavelengths. Applied Physics Letters, 2011, 98, 161102.	1.5	30
82	Hyperbolic Polaritonic Crystals Based on Nanostructured Nanorod Metamaterials. Advanced Materials, 2015, 27, 5974-5980.	11.1	30
83	Anisotropic Plasmonic CuS Nanocrystals as a Natural Electronic Material with Hyperbolic Optical Dispersion. ACS Nano, 2019, 13, 6550-6560.	7.3	30
84	Plasmonic waveguide as an efficient transducer for high-density data storage. Applied Physics Letters, 2009, 95, .	1.5	29
85	The controlled fabrication and geometry tunable optics of gold nanotube arrays. Nanotechnology, 2011, 22, 045705.	1.3	29
86	Superluminal and stopped light due to mode coupling in confined hyperbolic metamaterial waveguides. Scientific Reports, 2016, 5, 17678.	1.6	29
87	Metaparticles: Dressing Nanoâ€Objects with a Hyperbolic Coating. Laser and Photonics Reviews, 2018, 12, 1800179.	4.4	28
88	Nonlinear Dynamics of Ultrashort Long-Range Surface Plasmon Polariton Pulses in Gold Strip Waveguides. ACS Photonics, 2016, 3, 2324-2329.	3.2	27
89	Interferometric Evanescent Wave Excitation of a Nanoantenna for Ultrasensitive Displacement and Phase Metrology. Physical Review Letters, 2018, 121, 193901.	2.9	26
90	Repulsion of polarised particles from anisotropic materials with a near-zero permittivity component. Light: Science and Applications, 2016, 5, e16022-e16022.	7.7	25

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91	Geometry Defines Ultrafast Hotâ€Carrier Dynamics and Kerr Nonlinearity in Plasmonic Metamaterial Waveguides and Cavities. Advanced Optical Materials, 2017, 5, 1700299.	3.6	25
92	Rapid detection of SARS-CoV-2 viral nucleic acids based on surface enhanced infrared absorption spectroscopy. Nanoscale, 2021, 13, 10133-10142.	2.8	25
93	Plasmonic Nanocavity Induced Coupling and Boost of Dark Excitons in Monolayer WSe₂ at Room Temperature. Nano Letters, 2022, 22, 1915-1921.	4.5	25
94	Integrated plasmonic circuitry on a vertical-cavity surface-emitting semiconductor laser platform. Nature Communications, 2016, 7, 12409.	5.8	24
95	FÃ¶rster Resonance Energy Transfer inside Hyperbolic Metamaterials. ACS Photonics, 2018, 5, 4594-4603.	3.2	24
96	Generalization of the optical theorem: experimental proof for radially polarized beams. Light: Science and Applications, 2018, 7, 36.	7.7	23
97	Compact Optical Antenna Coupler for Silicon Photonics Characterized by Third-Harmonic Generation. ACS Photonics, 2014, 1, 912-916.	3.2	22
98	Light emission in nonlocal plasmonic metamaterials. Faraday Discussions, 2015, 178, 61-70.	1.6	22
99	Geometric-Phase Metasurfaces Based on Anisotropic Reflection: Generalized Design Rules. ACS Photonics, 2018, 5, 1755-1761.	3.2	22
100	Dynamics of hot electron generation in metallic nanostructures: general discussion. Faraday Discussions, 2019, 214, 123-146.	1.6	21
101	Structural second-order nonlinearity in plasmonic metamaterials. Optica, 2018, 5, 1502.	4.8	21
102	Four-level polarization discriminator based on a surface plasmon polaritonic crystal. Applied Physics Letters, 2011, 98, 111109.	1.5	20
103	Universal switching of plasmonic signals using optical resonator modes. Light: Science and Applications, 2017, 6, e16237-e16237.	7.7	20
104	Evidence of High-Order Nonlinearities in Supercontinuum White-Light Generation from a Gold Nanofilm. ACS Photonics, 2018, 5, 1927-1932.	3.2	20
105	All-optical switching in silicon photonic waveguides with an epsilon-near-zero resonant cavity [Invited]. Photonics Research, 2018, 6, B1.	3.4	20
106	Optical spinâ€“orbit coupling in the presence of magnetization: photonic skyrmion interaction with magnetic domains. Nanophotonics, 2021, 10, 3667-3675.	2.9	20
107	Optoelectronic Synapses Based on Hot-Electron-Induced Chemical Processes. Nano Letters, 2020, 20, 1536-1541.	4.5	19
108	Optimizing Strontium Ruthenate Thin Films for Near-Infrared Plasmonic Applications. Scientific Reports, 2015, 5, 9118.	1.6	17

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109	Applications of plasmonics: general discussion. Faraday Discussions, 2015, 178, 435-466.	1.6	17
110	Optical forces from near-field directionalities in planar structures. Physical Review B, 2019, 99, .	1.1	17
111	Amplitude and Phase Control of Guided Modes Excitation from a Single Dipole Source: Engineering Farâ€• and Nearâ€Field Directionality. Laser and Photonics Reviews, 2019, 13, 1900250.	4.4	17
112	Machine Learning-Based Diffractive Image Analysis with Subwavelength Resolution. ACS Photonics, 2021, 8, 1448-1456.	3.2	17
113	Selfâ€Assembled Silverâ€“Germanium Nanolayer Metamaterial with the Enhanced Nonlinear Response. Advanced Optical Materials, 2017, 5, 1700753.	3.6	16
114	Repulsion of polarized particles from two-dimensional materials. Physical Review B, 2018, 97, .	1.1	16
115	Directional scattering from particles under evanescent wave illumination: the role of reactive power. Optics Letters, 2018, 43, 3393.	1.7	16
116	Nanocone-based plasmonic metamaterials. Nanotechnology, 2019, 30, 055301.	1.3	16
117	Tunable Ultra-high Aspect Ratio Nanorod Architectures grown on Porous Substrate via Electromigration. Scientific Reports, 2016, 6, 22272.	1.6	15
118	Benchmarking System-Level Performance of Passive and Active Plasmonic Components: Integrated Circuit Approach. Proceedings of the IEEE, 2016, 104, 2338-2348.	16.4	15
119	Optimizing hot carrier effects in Pt-decorated plasmonic heterostructures. Faraday Discussions, 2019, 214, 387-397.	1.6	15
120	The room temperature phosphine-free synthesis of near-infrared emitting HgSe quantum dots. Journal of Materials Chemistry C, 2014, 2, 2107-2111.	2.7	14
121	Long-Range Directional Routing and Spatial Selection of High-Spin-Purity Valley Trion Emission in Monolayer WS₂. ACS Nano, 2021, 15, 18163-18171.	7.3	14
122	Tunneling-induced broadband and tunable optical emission from plasmonic nanorod metamaterials. Nanophotonics, 2020, 9, 427-434.	2.9	13
123	3D Full-Color Image Projection Based on Reflective Metasurfaces under Incoherent Illumination. Nano Letters, 2020, 20, 4481-4486.	4.5	13
124	Atomically Smooth Single-Crystalline Platform for Low-Loss Plasmonic Nanocavities. Nano Letters, 2022, 22, 1786-1794.	4.5	13
125	Hotâ€Electron Effects in Plasmonics and Plasmonic Materials. Advanced Optical Materials, 2017, 5, 1700508.	3.6	12
126	Dynamics of hot carriers in plasmonic heterostructures. Nanophotonics, 2021, 10, 2929-2938.	2.9	12

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127	Lasing at the nanoscale: coherent emission of surface plasmons by an electrically driven nanolaser. Nanophotonics, 2020, 9, 3965-3975.	2.9	12
128	Polarization dependence of second harmonic generation from plasmonic nanoprism arrays. Scientific Reports, 2019, 9, 11514.	1.6	11
129	Rational design of bimetallic photocatalysts based on plasmonically-derived hot carriers. Nanoscale Advances, 2021, 3, 767-780.	2.2	11
130	Stereoscopic Nanoscale-Precision Growth of Free-Standing Silver Nanorods by Electron Beam Irradiation. Journal of Physical Chemistry C, 2016, 120, 20310-20314.	1.5	10
131	Imaging Electric and Magnetic Modes and Their Hybridization in Single and Dimer AlGaAs Nanoantennas. Advanced Optical Materials, 2018, 6, 1800664.	3.6	10
132	Singletâ€“Triplet Transition Rate Enhancement inside Hyperbolic Metamaterials. Laser and Photonics Reviews, 2019, 13, 1900101.	4.4	10
133	Directional imbalance of Bloch surface waves for ultrasensitive displacement metrology. Nanoscale, 2021, 13, 11041-11050.	2.8	10
134	Shaping plasmon beams via the controlled illumination of finite-size plasmonic crystals. Scientific Reports, 2014, 4, 7234.	1.6	9
135	Interscale mixing microscopy: far-field imaging beyond the diffraction limit. Optica, 2016, 3, 803.	4.8	9
136	Reflective Metasurfaces for Incoherent Light To Bring Computer Graphics Tricks to Optical Systems. Nano Letters, 2017, 17, 4189-4193.	4.5	9
137	New materials for hot electron generation: general discussion. Faraday Discussions, 2019, 214, 365-386.	1.6	9
138	Mode Engineering in Large Arrays of Coupled Plasmonicâ€“Dielectric Nanoantennas. Advanced Optical Materials, 2021, 9, 2001467.	3.6	9
139	Ultrafast Carrier and Lattice Dynamics in Plasmonic Nanocrystalline Copper Sulfide Films. Laser and Photonics Reviews, 2021, 15, 2000346.	4.4	9
140	Nonlocalityâ€Enabled Pulse Management in Epsilonâ€Nearâ€Zero Metamaterials. Advanced Materials, 2023, 35, e2107023.	11.1	9
141	Light extraction beyond total internal reflection using one-dimensional plasmonic crystals. Applied Physics Letters, 2011, 99, 081106.	1.5	8
142	Impact of nonradiative line broadening on emission in photonic and plasmonic cavities. Physical Review A, 2014, 90, .	1.0	8
143	Nearâ€Field Hyperspectral Optical Imaging. ChemPhysChem, 2014, 15, 619-629.	1.0	8
144	Not every dipole is the same: the hidden patterns of dipolar near fields. Europhysics News, 2018, 49, 14-18.	0.1	7

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145	Electric Control of Spinâ€Orbit Coupling in Grapheneâ€Based Nanostructures with Broken Rotational Symmetry. Laser and Photonics Reviews, 2020, 14, 2000214.	4.4	7
146	Two-Dimensional Pulse Propagation without Anomalous Dispersion. Physical Review Letters, 2017, 119, 114301.	2.9	6
147	Nanoparticle-based metasurfaces for angular independent spectral filtering applications. Journal of Applied Physics, 2019, 126, .	1.1	6
148	Integrated Janus dipole source for selective coupling to silicon waveguide networks. Applied Physics Reviews, 2022, 9, .	5.5	6
149	Reconfigurable cavity-based plasmonic platform for resonantly enhanced sub-bandgap photodetection. Journal of Applied Physics, 2020, 128, 203101.	1.1	4
150	Angle-insensitive plasmonic nanorod metamaterial-based band-pass optical filters. Optics Express, 2021, 29, 11562.	1.7	4
151	Unifying physics and technology in light of Maxwellâ€™s equations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2016, 374, 20150264.	1.6	2
152	Special Issue on Recent Developments and Applications of Plasmonics. ACS Photonics, 2018, 5, 2538-2540.	3.2	2
153	Nonlinear Nanoplasmonics. Springer Series in Optical Sciences, 2019, , 267-316.	0.5	2
154	Mark Stockman: Evangelist for Plasmonics. ACS Photonics, 2021, 8, 683-698.	3.2	2
155	Optical hydrogen sensors based on Au/Pd core shell nanorod arrays. , 2013, , .		1
156	Cathodoluminescence imaging spectroscopy of single and dimer AlGaAs nano-disks. , 2017, , .		1
157	Sum-frequency generation and photon-pair creation in AlGaAs nano-disks. , 2017, , .		1
158	Ultrafast Polarisation Control with Metamaterials. , 2018, , .		1
159	Selfâ€Assembled Plasmonic Coaxial Nanocavities for Highâ€Definition Broadâ€Angle Coloring in Reflection and Transmission. Advanced Optical Materials, 2021, 9, 2001923.	3.6	1
160	Active plasmonics. , 2011, , .		0
161	Optomechanical “nonlinear” light modulation on nano-scales. , 2013, , .		0
162	Nonlinear hyperbolic metamaterials. , 2014, , .		0

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163	Anisotropic plasmonic metamaterials for nanophotonic applications. , 2014, , .		0
164	Figures of merit for passive and active plasmonic circuits. , 2016, , .		0
165	Nonlinear propagation of surface plasmon-polaritons in gold stripe waveguides. , 2016, , .		0
166	Nonlinear optics and optomechanics with plasmonic metamaterials. , 2016, , .		0
167	Hydrodynamic Model for Coherent Nonlinear Plasmonics. Springer Series in Optical Sciences, 2017, , 235-259.	0.5	0
168	Hot-carrier generation in plasmonic SiO<inf>2</inf>-Au core-shell nanoparticles. , 2017, , .		0
169	Nonlinear anisotropic metamaterials. , 2017, , .		0
170	Controlling field enhancement with plasmonic nanocone metamaterials. , 2017, , .		0
171	Plasmonic Metamaterials for Nanophotonics. , 2015, , .		0
172	Electromigration Phenomena in Sintered Nanoparticle Ag Systems Under High Current Density. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2015, 2015, 000059-000063.	0.2	0
173	Internal Structure Refinement of Porous Sintered Silver via Electromigration. Additional Conferences (Device Packaging HiTEC HiTEN & CICMT), 2016, 2016, 000190-000195.	0.2	0
174	Plasmonic Metamaterials for Nonlinear Nanophotonics. , 2016, , .		0
175	Nonlinear Metamaterial Nanophotonics. , 2016, , .		0
176	Magneto-optical nanowire metamaterials. , 2017, , .		0
177	Nonlinear Optics of Plasmonic Metamaterials. , 2017, , .		0
178	Ultrafast Control of Light Polarisation in Nonlinear Metamaterials. , 2018, , .		0
179	Refractive Index Sensing with Anisotropic Hyperbolic Metamaterials. Biological and Medical Physics Series, 2020, , 81-107.	0.3	0
180	Photonic Spin-orbit Coupling and Topological Properties of Evanescent Fields. , 2020, , .		0