

# Thomas Pertsch

## List of Publications by Year in descending order

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467  
papers

15,083  
citations

20759

60  
h-index

24179

110  
g-index

472  
all docs

472  
docs citations

472  
times ranked

9996  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatio-temporal propagation dynamics of Airy plasmon pulses. <i>Optics Express</i> , 2022, 30, 484-495.	1.7	0
2	Material-specific high-resolution table-top extreme ultraviolet microscopy. <i>Light: Science and Applications</i> , 2022, 11, 117.	7.7	32
3	Nonlinear quantum spectroscopy with parity-time-symmetric integrated circuits. <i>Photonics Research</i> , 2022, 10, 1763.	3.4	2
4	Subdiffraction Quantum Imaging with Undetected Photons. <i>Physical Review Letters</i> , 2022, 128, 173601.	2.9	6
5	Hybrid Dielectric Metasurfaces for Enhancing Second-Harmonic Generation in Chemical Vapor Deposition Grown MoS <sub>2</sub> Monolayers. <i>ACS Photonics</i> , 2021, 8, 218-227.	3.2	41
6	Broadband Adiabatic Couplers in Thin-Film Lithium Niobate On Insulator. , 2021, , .		0
7	Manipulation of quantum dot emission with semiconductor metasurfaces exhibiting magnetic quadrupole resonances. <i>Optics Express</i> , 2021, 29, 5567.	1.7	6
8	Periodic poling with a micrometer-range period in thin-film lithium niobate on insulator. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 685.	0.9	12
9	Modeling of surface-induced second-harmonic generation from multilayer structures by the transfer matrix method. <i>Optics Express</i> , 2021, 29, 9098.	1.7	2
10	Photon Pairs from Resonant Metasurfaces. <i>Nano Letters</i> , 2021, 21, 4423-4429.	4.5	91
11	Spontaneous Parametric Down-Conversion in Nonlinear Metasurfaces. , 2021, , .		0
12	Dispersion engineered sum-frequency generation in a periodically poled thin-film LiNbO <sub>3</sub> nanowaveguide. , 2021, , .		0
13	Sub-Diffraction Near-Field Imaging with Undetected Photons using Thin Sources of Photon Pairs. , 2021, , .		0
14	Describing SPDC at the Nanoscale: A Quasinormal Mode Approach. , 2021, , .		0
15	Multiresponsive Dielectric Metasurfaces. <i>ACS Photonics</i> , 2021, 8, 1775-1783.	3.2	22
16	Towards attosecond imaging at the nanoscale using broadband holography-assisted coherent imaging in the extreme ultraviolet. <i>Communications Physics</i> , 2021, 4, .	2.0	7
17	Ultra-compact, broadband adiabatic passage optical couplers in thin-film lithium niobate on insulator waveguides. <i>Optics Express</i> , 2021, 29, 27362.	1.7	9
18	Experimental validation of the fundamental mode approximation for stacked metasurfaces and its application to the treatment of arbitrary period ratios. <i>APL Photonics</i> , 2021, 6, 096109.	3.0	1

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19	Lithium Niobate on Insulator: An Emerging Platform for Integrated Quantum Photonics. <i>Advanced Optical Materials</i> , 2021, 9, 2100789.	3.6	62
20	Metal, dielectric and hybrid nanoantennas for enhancing the emission of single quantum dots: A comparative study. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 276, 107900.	1.1	21
21	Integrated Photonic Sources and Circuits in Lithium Niobate Platform. , 2021, , .		1
22	Towards Perfect Optical Diffusers: Dielectric Huygens' Metasurfaces with Critical Positional Disorder. <i>Advanced Materials</i> , 2021, , 2105868.	11.1	8
23	Experimental observation of the short-range surface plasmon polariton mode and its longitudinal adiabatic compression in a metallic wedge. <i>Optics Express</i> , 2021, 29, 37161.	1.7	1
24	Orientalional Disorder in Chiral Bilayer Dielectric Metasurfaces. , 2021, , .		0
25	Investigation of dipole emission near a dielectric metasurface using a dual-tip scanning near-field optical microscope. <i>Nanophotonics</i> , 2021, .	2.9	3
26	Valley-selective directional emission enabled by a plasmonic nanoantenna. , 2021, , .		0
27	Metasurface-Assisted Quantum Ghost Discrimination of Polarization Objects. <i>Physical Review Applied</i> , 2021, 16, .	1.5	11
28	Mid-infrared photon pair generation in AgGaS <sub>2</sub> . <i>Applied Physics Letters</i> , 2021, 119, .	1.5	7
29	Beyond dipolar Huygens's™ metasurfaces for full-phase coverage and unity transmittance. <i>Nanophotonics</i> , 2020, 9, 75-82.	2.9	35
30	Merging Top-Down and Bottom-Up Approaches to Fabricate Artificial Photonic Nanomaterials with a Deterministic Electric and Magnetic Response. <i>Advanced Functional Materials</i> , 2020, 30, 1905722.	7.8	6
31	Scalable Functionalization of Optical Fibers Using Atomically Thin Semiconductors. <i>Advanced Materials</i> , 2020, 32, e2003826.	11.1	31
32	Far-field polarization signatures of surface optical nonlinearity in noncentrosymmetric semiconductors. <i>Scientific Reports</i> , 2020, 10, 10545.	1.6	4
33	Integrated Photonics: Scalable Functionalization of Optical Fibers Using Atomically Thin Semiconductors ( <i>Adv. Mater.</i> 47/2020). <i>Advanced Materials</i> , 2020, 32, 2070354.	11.1	0
34	Second-Harmonic Generation in Resonant Nonlinear Metasurfaces Based on Lithium Niobate. <i>Nano Letters</i> , 2020, 20, 8608-8614.	4.5	99
35	Chiral Bilayer All-Dielectric Metasurfaces. <i>ACS Nano</i> , 2020, 14, 15926-15935.	7.3	76
36	Pinhole quantum ghost imaging. <i>Applied Physics Letters</i> , 2020, 117, 094003.	1.5	4

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37	Modeling Optical Materials at the Single Scatterer Level: The Transition from Homogeneous to Heterogeneous Materials. <i>Advanced Theory and Simulations</i> , 2020, 3, 2000192.	1.3	10
38	Facile Resistâ€Free Nanopatterning of Monolayers of MoS <sub>2</sub> by Focused Ionâ€Beam Milling. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000858.	1.9	14
39	Micrometer-range periodic poling of thin-film lithium niobate on insulator. , 2020, , .		0
40	Equivalence of reflection paths of light and Feynman paths in stacked metasurfaces. <i>Physical Review B</i> , 2020, 102, .	1.1	4
41	Integrated induced-coherence spectroscopy in a single nonlinear waveguide. <i>Physical Review A</i> , 2020, 101, .	1.0	7
42	Flat optics in high numerical aperture broadband imaging systems. <i>Journal of Optics (United Kingdom)</i> , 2020, 22, 065607.	1.0	14
43	Nonlinear optics with resonant metasurfaces. <i>MRS Bulletin</i> , 2020, 45, 210-220.	1.7	59
44	Plasmonic Metasurfaces Situated on Ultrathin Carbon Nanomembranes. <i>ACS Photonics</i> , 2020, 7, 1060-1066.	3.2	7
45	Photonic Nanomaterials: Merging Topâ€Down and Bottomâ€Up Approaches to Fabricate Artificial Photonic Nanomaterials with a Deterministic Electric and Magnetic Response ( <i>Adv. Funct. Mater.</i> ) Tj ETQq1 1 0.784314 rgBTdOverloc		
46	Direct and High-Throughput Fabrication of Mie-Resonant Metasurfaces <i>via</i> Single-Pulse Laser Interference. <i>ACS Nano</i> , 2020, 14, 6138-6149.	7.3	34
47	Laser-induced spatially-selective tailoring of high-index dielectric metasurfaces. <i>Optics Express</i> , 2020, 28, 1539.	1.7	14
48	General design formalism for highly efficient flat optics for broadband applications. <i>Optics Express</i> , 2020, 28, 6452.	1.7	12
49	Nanostructure-modulated planar high spectral resolution spectro-polarimeter. <i>Optics Express</i> , 2020, 28, 19818.	1.7	10
50	Generating path entangled states in waveguide systems with second-order nonlinearity. <i>Optics Express</i> , 2020, 28, 28792.	1.7	4
51	Single-shot characterization of strongly focused coherent XUV and soft X-ray beams. <i>Optics Letters</i> , 2020, 45, 4798.	1.7	2
52	Discrete dispersion scan setup for measuring few-cycle laser pulses in the mid-infrared. <i>Optics Letters</i> , 2020, 45, 5295.	1.7	8
53	Surface domain engineering in lithium niobate. <i>OSA Continuum</i> , 2020, 3, 345.	1.8	11
54	Broadband spatio-temporal propagation characteristics of Airy plasmons. <i>OSA Continuum</i> , 2020, 3, 1870.	1.8	5

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55	Nonperiodic optical superlattice lithium niobate waveguides for the generation of polarization entanglement. , 2020, , .		0
56	Atto-FTH â€œ Fourier Transform Holography Beyond the Temporal Coherence Limit. , 2020, , .		0
57	Electro-optic spectral switching in multiline optical parametric oscillators using aperiodic optical superlattice lithium niobate. , 2020, , .		0
58	Common Pulse Retrieval Algorithm: a Fast and Universal Method to Retrieve Ultrashort Pulses. , 2020, , .		0
59	Optically-induced antiferromagnetic order in Mie-resonant dielectric metasurfaces. , 2020, , .		0
60	Electro-optically spectrum switchable, multiwavelength optical parametric oscillators based on aperiodically poled lithium niobate. Optics Letters, 2020, 45, 5848.	1.7	8
61	Hybrid refractive holographic single vision spectacle lenses. Journal of the European Optical Society-Rapid Publications, 2019, 15, .	0.9	4
62	Perspectives for Applications of Quantum Imaging. Laser and Photonics Reviews, 2019, 13, 1900097.	4.4	86
63	Common Pulse Retrieval Algorithm: A Fast and Universal Method to Retrieve Ultrashort Pulses. , 2019, , .		1
64	Periodic Poling with Short Period for Thin Film Lithium Niobate Waveguides. , 2019, , .		2
65	Second-Harmonic Generation in Lithium Niobate Metasurfaces. , 2019, , .		1
66	The Role of Detector Position in Quantum Ghost Diffraction. , 2019, , .		0
67	Ultra-Thin Plasmonic Metasurfaces Based on Carbon Nanomembranes. , 2019, , .		0
68	Nonlinear Quantum Spectroscopy Enhanced by Parity-Time Symmetry. , 2019, , .		0
69	Airy Plasmon Pulses Investigated by Multiphoton Photoemission Electron Microscopy (PEEM). , 2019, , .		0
70	A fully automated dual-tip scanning near-field optical microscope for localized optical excitation and detection in the visible and near-infrared. Review of Scientific Instruments, 2019, 90, 053705.	0.6	4
71	Electrically Tunable Transparent Displays for Visible Light Based on Dielectric Metasurfaces. ACS Photonics, 2019, 6, 1533-1540.	3.2	69
72	All-Dielectric Resonant Meta-Optics Lightens up. ACS Photonics, 2019, 6, 802-814.	3.2	137

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73	Tailoring Photoluminescence from MoS <sub>2</sub> Monolayers by Mie-Resonant Metasurfaces. ACS Photonics, 2019, 6, 1002-1009.	3.2	82
74	Submicrometer Nanostructure-Based RGB Filters for CMOS Image Sensors. ACS Photonics, 2019, 6, 1018-1025.	3.2	51
75	Wavelength-scale ptychographic coherent diffractive imaging using a high-order harmonic source. Scientific Reports, 2019, 9, 1735.	1.6	26
76	Nanostructured MoS <sub>2</sub> Monolayers for Spatial Control of Second-Harmonic Generation. , 2019, , .		0
77	Mapping the Near-Field Interaction of Silicon Nanodisc Arrays by Automated Dual-Tip Scanning Near-Field Optical Microscopy. , 2019, , .		0
78	Semi-Analytic Modeling of Chiral Metasurface Stacks. , 2019, , .		0
79	Mid-Infrared Sensing by Induced Coherence in a Single Nonlinear Waveguide. , 2019, , .		0
80	Manipulation of Magnetic Dipole Emission from Eu <sup>3+</sup> with Mie-Resonant Dielectric Metasurfaces. Nano Letters, 2019, 19, 1015-1022.	4.5	85
81	Disorder-Induced Phase Transitions in the Transmission of Dielectric Metasurfaces. Physical Review Letters, 2019, 122, 015702.	2.9	35
82	Dielectric metasurfaces for distance measurements and three-dimensional imaging. Advanced Photonics, 2019, 1, 1.	6.2	41
83	Analyzing the polarization response of a chiral metasurface stack by semi-analytic modeling. Optics Express, 2019, 27, 1236.	1.7	15
84	Controlling second-harmonic diffraction by nano-patterning MoS <sub>2</sub> monolayers. Optics Express, 2019, 27, 35475.	1.7	20
85	Nanocomposites “A Route to better and smaller optical Elements?”. , 2019, , .		2
86	Photonic crystal waveguides as sources of counterpropagating factorizable biphoton states. Optics Letters, 2019, 44, 69.	1.7	8
87	Common pulse retrieval algorithm: a fast and universal method to retrieve ultrashort pulses. Optica, 2019, 6, 495.	4.8	32
88	Dispersion-engineered nanocomposites enable achromatic diffractive optical elements. Optica, 2019, 6, 1031.	4.8	25
89	Airy Plasmon Pulses investigated by Multiphoton Photoemission Electron Microscopy (PEEM). , 2019, , .		0
90	Spectral mapping of an integrated type-II photon-pair source using quantum-classical correspondence. , 2019, , .		0

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91	Semi-analytic modeling of chiral metasurface stacks. , 2019, , .		1
92	Atom-mediated nonlinear photon-pair generation using photonic band-gap modes. , 2019, , .		0
93	Discrete beam combiners from astronomy to lasers. , 2019, , .		1
94	Directional and Spectral Shaping of Light Emission with Mie-Resonant Silicon Nanoantenna Arrays. ACS Photonics, 2018, 5, 1359-1364.	3.2	88
95	Disorder-Enabled Pure Chirality in Bilayer Plasmonic Metasurfaces. ACS Photonics, 2018, 5, 1773-1778.	3.2	49
96	Active Tuning of Spontaneous Emission by Mie-Resonant Dielectric Metasurfaces. Nano Letters, 2018, 18, 3461-3465.	4.5	111
97	LiNbO3 waveguides for integrated SPDC spectroscopy. APL Photonics, 2018, 3, .	3.0	32
98	Effects of stress on neighboring laser written waveguides in gallium lanthanum sulfide. Applied Physics Letters, 2018, 112, 111908.	1.5	13
99	Polarization-Dependent Second Harmonic Diffraction from Resonant GaAs Metasurfaces. ACS Photonics, 2018, 5, 1786-1793.	3.2	74
100	Dual-Probe SNOM for the Near-Field Study of Nanostructures. , 2018, , .		0
101	Light-Emitting Metasurfaces: Simultaneous Control of Spontaneous Emission and Far-Field Radiation. Nano Letters, 2018, 18, 6906-6914.	4.5	126
102	Wavelength-scale Coherent Diffractive Imaging using a High-order Harmonic Source. Microscopy and Microanalysis, 2018, 24, 16-17.	0.2	0
103	High resolution XUV Fourier transform holography on a table top. Scientific Reports, 2018, 8, 8677.	1.6	16
104	Color filter arrays based on dielectric metasurface elements. , 2018, , .		3
105	Using effective medium theories to design tailored nanocomposite materials for optical systems. , 2018, , .		4
106	Holographic progressive lenses. , 2018, , .		1
107	Design of a 2 diopter holographic progressive lens. Optics Express, 2018, 26, 32866.	1.7	6
108	Design rules for customizable optical materials based on nanocomposites. Optical Materials Express, 2018, 8, 3456.	1.6	22

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109	Atom-mediated Spontaneous Parametric Down-conversion Using Bandgap Modes in Nonlinear Periodic Waveguides. , 2018, , .		0
110	Tailored Structural Disorder in Optical Metasurfaces. , 2018, , .		0
111	Generation of Spectrally Factorizable Counterpropagating Photon Pairs in Photonic Crystal Waveguides. , 2018, , .		0
112	Towards SPDC Spectroscopy on a LiNbO3 Chip. , 2018, , .		0
113	Beam combination schemes and technologies for the Planet Formation Imager. , 2018, , .		0
114	Electrically tunable all-dielectric optical metasurfaces based on liquid crystals. Applied Physics Letters, 2017, 110, .	1.5	221
115	Strong coupling in hybrid metalâ€“dielectric nanoresonators. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160312.	1.6	18
116	Dual-SNOM investigations of multimode interference in plasmonic strip waveguides. Nanoscale, 2017, 9, 6695-6702.	2.8	12
117	Ultrafast all-optical tuning of direct-gap semiconductor metasurfaces. Nature Communications, 2017, 8, 17.	5.8	300
118	Angle-selective all-dielectric Huygensâ€™ metasurfaces. Journal Physics D: Applied Physics, 2017, 50, 434002.	1.3	48
119	Highâ€“bit rate ultra-compact light routing with mode-selective on-chip nanoantennas. Science Advances, 2017, 3, e1700007.	4.7	64
120	A Green's function based analytical method for forward and inverse modeling of quasi-periodic nanostructured surfaces. Journal of Applied Physics, 2017, 122, 183103.	1.1	4
121	Surface domain engineering in bulk and thin film lithium niobate: A systematic experimental study. , 2017, , .		0
122	Generation of Counterpropagating Path-Entangled Photon Pairs in a Single Periodic Waveguide. Physical Review Letters, 2017, 118, 183603.	2.9	26
123	Ultrafast modulation of femtosecond laser pulses in direct-gap semiconductor metasurfaces with magnetic resonances. AIP Conference Proceedings, 2017, , .	0.3	0
124	Spatial and spectral tailoring of visible light emission with mie resonances in silicon nanoantenna arrays. , 2017, , .		0
125	Polarization dependence of second-harmonic generation in GaAs metasurfaces. , 2017, , .		0
126	Silicon Huygens' metasurfaces at oblique incidence. , 2017, , .		0



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127	Influence of structure geometry on THz emission from Black Silicon surfaces fabricated by reactive ion etching. Optics Express, 2017, 25, 6604.	1.7	9
128	Towards 3D-photonics, multi-telescope beam combiners for mid-infrared astrointerferometry. Optics Express, 2017, 25, 19262.	1.7	29
129	Atom-mediated spontaneous parametric down-conversion in periodic waveguides. Optics Letters, 2017, 42, 4724.	1.7	16
130	Pulse retrieval from cropped FROG traces. , 2017, , .		0
131	Emission enhancement from MoS <sub>2</sub> monolayers with silicon nanoantennas. , 2017, , .		0
132	Quasi-linearly polarized hybrid modes in tapered and metal-coated tips with circular apertures: understanding the functionality of aperture tips. New Journal of Physics, 2017, 19, 063024.	1.2	1
133	Adaptive pre-amplification pulse shaping in a high-power, coherently combined fiber laser system. Optics Letters, 2017, 42, 3916.	1.7	6
134	Ultrafast all-optical tuning of magnetic modes in GaAs metasurfaces. , 2017, , .		2
135	A Fully Automated Dual-Probe Scanning Near-Field Optical Microscopy Technique. , 2017, , .		1
136	Electro-Optic Controlled, Highly Spectrum Narrowed Multiline Intracavity Optical Parametric Oscillators. , 2017, , .		0
137	Periodic Waveguides for Generation of Engineered Photon-pair States. , 2016, , .		0
138	Electro-optically spectrum narrowed, multiline intracavity optical parametric oscillators. Optics Express, 2016, 24, 28905.	1.7	7
139	Blistering during the atomic layer deposition of iridium. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2016, 34, .	0.9	10
140	Ultrafast control of third-order optical nonlinearities in fishnet metamaterials. Scientific Reports, 2016, 6, 28440.	1.6	16
141	Controlling the excitation of radially polarized conical plasmons in plasmonic tips in liquids. RSC Advances, 2016, 6, 53273-53281.	1.7	0
142	Tunable generation of entangled photons in a nonlinear directional coupler. Laser and Photonics Reviews, 2016, 10, 131-136.	4.4	38
143	Resonantly Enhanced Second-Harmonic Generation Using III-V Semiconductor All-Dielectric Metasurfaces. Nano Letters, 2016, 16, 5426-5432.	4.5	341
144	Efficient treatment of stacked metasurfaces for optimizing and enhancing the range of accessible optical functionalities. Physical Review A, 2016, 93, .	1.0	23

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145	Effect of loss on slow-light-enhanced second-harmonic generation in periodic nanostructures. Optics Letters, 2016, 41, 3110.	1.7	4
146	Bottom-Up Fabrication of Hybrid Plasmonic Sensors: Gold-Capped Hydrogel Microspheres Embedded in Periodic Metal Hole Arrays. ACS Applied Materials & Interfaces, 2016, 8, 26392-26399.	4.0	13
147	Image formation properties and inverse imaging problem in aperture based scanning near field optical microscopy. Optics Express, 2016, 24, 4128.	1.7	11
148	Fabrication of free-standing lithium niobate nanowaveguides down to 50 nm in width. Nanotechnology, 2016, 27, 065301.	1.3	11
149	Characterization of a circular optical nanoantenna by nonlinear photoemission electron microscopy. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	9
150	High speed and high resolution table-top nanoscale imaging. Optics Letters, 2016, 41, 5170.	1.7	34
151	Ultra-compact Polarization Demultiplexing by a Plasmonic Nanoantenna on a Waveguide. , 2016, , .		0
152	Effect of Loss on Slow-light-enhanced Second Harmonic Generation in Periodic Nanostructures. , 2016, , .		0
153	Ultra-Broadband Adiabatic Light Transfer in Titanium Diffused Lithium Niobate Waveguides. , 2016, , .		0
154	Counter-propagating Spatially Entangled Bell-states Generation in Photonic Crystal Waveguides. , 2016, , .		0
155	How Useful Is Slow Light in Enhancing Nonlinear Interactions in Lossy Periodic Nanostructures?. , 2016, , .		0
156	Electro-optically spectrum tailorable intracavity optical parametric oscillator. Optics Letters, 2015, 40, 5132.	1.7	8
157	Nonlinear coupling in discrete optical waveguide arrays with quadratic nonlinearity. Physical Review A, 2015, 92, .	1.0	2
158	Phase-matched second-harmonic generation in slow-light photonic crystal waveguides. Physical Review A, 2015, 92, .	1.0	14
159	Polarization properties of optical metasurfaces of different symmetries. Physical Review B, 2015, 91, .	1.1	27
160	Enhancing Guided Second-Harmonic Light in Lithium Niobate Nanowires. ACS Photonics, 2015, 2, 687-691.	3.2	51
161	Generation and characterization of ultrashort airy pulses. , 2015, , .		0
162	Adiabatic light transfer in titanium diffused lithium niobate waveguides. Optics Express, 2015, 23, 30641.	1.7	29

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163	Relaxation time mapping of single quantum dots and substrate background fluorescence. JETP Letters, 2015, 102, 161-166.	0.4	0
164	High-efficiency Dielectric Huygens <sup>TM</sup> Surfaces. Advanced Optical Materials, 2015, 3, 813-820.	3.6	1,045
165	Enhancing Second Harmonic Generation in Gold Nanoring Resonators Filled with Lithium Niobate. Nano Letters, 2015, 15, 1025-1030.	4.5	89
166	Synthesis, Separation, and Hypermethod Characterization of Gold Nanoparticle Dimers Connected by a Rigid Rod Linker. Journal of Physical Chemistry C, 2015, 119, 17809-17817.	1.5	18
167	Supercontinuum generation in quadratic nonlinear waveguides without quasi-phase matching. Optics Letters, 2015, 40, 629.	1.7	17
168	Diffraction optical elements made from photonic metamaterials. , 2015, , .		0
169	Fabrication of nanoscale lithium niobate waveguides for second-harmonic generation. Optics Letters, 2015, 40, 2715.	1.7	103
170	Plasmonic Tip Based on Excitation of Radially Polarized Conical Surface Plasmon Polariton for Detecting Longitudinal and Transversal Fields. ACS Photonics, 2015, 2, 1468-1475.	3.2	46
171	Self-suspended micro-resonators patterned in Z-cut lithium niobate membranes. Optical Materials Express, 2015, 5, 2081.	1.6	23
172	Advanced Disc-Ring Optical Nanoantennas Investigated by Photoelectron Emission Microscopy (PEEM). , 2015, , .		0
173	Enhancing resonances of optical nanoantennas by circular gratings. Optics Express, 2015, 23, 14583.	1.7	9
174	Interferometric nulling of four channels with integrated optics. Applied Optics, 2015, 54, 7449.	2.1	12
175	Hysteresis assisted narrowband resonances in a chain of nonlinear plasmonic arrays. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 824.	0.9	4
176	Photonic microstructures in lithium niobate by potassium hydroxide-assisted ion beam-enhanced etching. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2015, 33, 010601.	0.6	8
177	Nonlinear Nearest-Neighbor Coupling in Quadratic Waveguide Arrays. , 2015, , .		0
178	Integrated optics interferometric four telescopes nuller. Proceedings of SPIE, 2014, , .	0.8	0
179	A broadband scalar optical vortex coronagraph. Proceedings of SPIE, 2014, , .	0.8	0
180	3D-integrated beam combiner for optical spectro-interferometry. , 2014, , .		1

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181	Energy deposition dynamics of femtosecond pulses in water. Applied Physics Letters, 2014, 105, .	1.5	26
182	Highly resonant and directional optical nanoantennas. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 388.	0.8	10
183	Highly sensitive mode mapping of whispering-gallery modes by scanning thermocouple-probe microscopy. Optics Letters, 2014, 39, 1157.	1.7	2
184	The spectral shift between near- and far-field resonances of optical nano-antennas. Optics Express, 2014, 22, 9971.	1.7	35
185	Data transmission in long-range dielectric-loaded surface plasmon polariton waveguides. Optics Express, 2014, 22, 26742.	1.7	6
186	The structural and optical properties of black silicon by inductively coupled plasma reactive ion etching. Journal of Applied Physics, 2014, 116, .	1.1	97
187	Photonic crystals in lithium niobate by combining focussed ion beam writing and ion-beam enhanced etching. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2421-2425.	0.8	23
188	Polarization phenomena in periodic metasurfaces at oblique incidence. , 2014, , .		0
189	Local fluorescent dye excitation with guided second-harmonic in lithium niobate nanowires. , 2014, , .		0
190	Temporal dynamics of spatially localized waves in quadratic nonlinear waveguide arrays. Physical Review A, 2014, 89, .	1.0	3
191	Generation of Nonclassical Biphoton States through Cascaded Quantum Walks on a Nonlinear Chip. Physical Review X, 2014, 4, .	2.8	52
192	Survey of Plasmonic Nanoparticles: From Synthesis to Application. Particle and Particle Systems Characterization, 2014, 31, 721-744.	1.2	40
193	Extreme coupling: A route towards local magnetic metamaterials. Physical Review B, 2014, 89, .	1.1	8
194	Plasmonic heating with near infrared resonance nanodot arrays for multiplexing optofluidic applications. RSC Advances, 2014, 4, 61898-61906.	1.7	8
195	Ultra broadband phase measurements on nanostructured metasurfaces. Applied Physics Letters, 2014, 104, .	1.5	14
196	Plasmonic nanoparticle clusters with tunable plasmonic resonances in the visible spectral region. Journal of Materials Chemistry C, 2014, 2, 6415.	2.7	12
197	Polarization-Resolved Near-Field Mapping of Plasmonic Aperture Emission by a Dual-SNOM System. Nano Letters, 2014, 14, 5010-5015.	4.5	35
198	Enhancement of second harmonic generation in self-suspended lithium niobate photonic crystal cavities. , 2014, , .		0

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