

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	High-Efficiency Dielectric Huygens TM Surfaces. <i>Advanced Optical Materials</i> , 2015, 3, 813-820.	3.6	1,045
2	Asymmetric Transmission of Linearly Polarized Light at Optical Metamaterials. <i>Physical Review Letters</i> , 2010, 104, 253902.	2.9	554
3	Optical Bloch Oscillations in Temperature Tuned Waveguide Arrays. <i>Physical Review Letters</i> , 1999, 83, 4752-4755.	2.9	534
4	Resonantly Enhanced Second-Harmonic Generation Using III-V Semiconductor All-Dielectric Metasurfaces. <i>Nano Letters</i> , 2016, 16, 5426-5432.	4.5	341
5	Generation and Near-Field Imaging of Airy Surface Plasmons. <i>Physical Review Letters</i> , 2011, 107, 116802.	2.9	332
6	Ultrafast all-optical tuning of direct-gap semiconductor metasurfaces. <i>Nature Communications</i> , 2017, 8, 17.	5.8	300
7	Anomalous Refraction and Diffraction in Discrete Optical Systems. <i>Physical Review Letters</i> , 2002, 88, 093901.	2.9	288
8	Optical Bloch oscillations in waveguide arrays. <i>Optics Letters</i> , 1998, 23, 1701.	1.7	280
9	Fabry-Pérot Resonances in One-Dimensional Plasmonic Nanostructures. <i>Nano Letters</i> , 2009, 9, 2372-2377.	4.5	276
10	Bloch Oscillations and Zener Tunneling in Two-Dimensional Photonic Lattices. <i>Physical Review Letters</i> , 2006, 96, 053903.	2.9	247
11	Electrically tunable all-dielectric optical metasurfaces based on liquid crystals. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	221
12	Three-Dimensional Light Bullets in Arrays of Waveguides. <i>Physical Review Letters</i> , 2010, 105, 263901.	2.9	206
13	Visual Observation of Zener Tunneling. <i>Physical Review Letters</i> , 2006, 96, 023901.	2.9	204
14	Retrieving effective parameters for metamaterials at oblique incidence. <i>Physical Review B</i> , 2008, 77, .	1.1	201
15	Nonlinearity and Disorder in Fiber Arrays. <i>Physical Review Letters</i> , 2004, 93, 053901.	2.9	194
16	Control of directional evanescent coupling in fs laser written waveguides. <i>Optics Express</i> , 2007, 15, 1579.	1.7	186
17	Two-dimensional soliton in cubic fs laser written waveguide arrays in fused silica. <i>Optics Express</i> , 2006, 14, 6055.	1.7	168
18	Spatial and Spectral Light Shaping with Metamaterials. <i>Advanced Materials</i> , 2012, 24, 6300-6304.	11.1	167

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19	Bloch-Zener Oscillations in Binary Superlattices. <i>Physical Review Letters</i> , 2009, 102, 076802.	2.9	166
20	Observation of Discrete Quadratic Solitons. <i>Physical Review Letters</i> , 2004, 93, 113902.	2.9	146
21	Chiral Metamaterial Composed of Three-Dimensional Plasmonic Nanostructures. <i>Nano Letters</i> , 2011, 11, 4400-4404.	4.5	146
22	Discrete nonlinear localization in femtosecond laser written waveguides in fused silica. <i>Optics Express</i> , 2005, 13, 10552.	1.7	144
23	Discrete diffraction in two-dimensional arrays of coupled waveguides in silica. <i>Optics Letters</i> , 2004, 29, 468.	1.7	143
24	Polychromatic dynamic localization in curved photonic lattices. <i>Nature Physics</i> , 2009, 5, 271-275.	6.5	143
25	All-Dielectric Resonant Meta-Optics Lightens up. <i>ACS Photonics</i> , 2019, 6, 802-814.	3.2	137
26	Light-Emitting Metasurfaces: Simultaneous Control of Spontaneous Emission and Far-Field Radiation. <i>Nano Letters</i> , 2018, 18, 6906-6914.	4.5	126
27	Design of an Artificial Three-Dimensional Composite Metamaterial with Magnetic Resonances in the Visible Range of the Electromagnetic Spectrum. <i>Physical Review Letters</i> , 2007, 99, 017401.	2.9	120
28	Observation of Two-Dimensional Surface Solitons in Asymmetric Waveguide Arrays. <i>Physical Review Letters</i> , 2007, 98, .	2.9	120
29	Inhibition of Light Tunneling in Waveguide Arrays. <i>Physical Review Letters</i> , 2009, 102, 153901.	2.9	115
30	Validity of effective material parameters for optical fishnet metamaterials. <i>Physical Review B</i> , 2010, 81, .	1.1	113
31	Active Tuning of Spontaneous Emission by Mie-Resonant Dielectric Metasurfaces. <i>Nano Letters</i> , 2018, 18, 3461-3465.	4.5	111
32	Second-Harmonic Generation of Single BaTiO ₃ Nanoparticles down to 22 nm Diameter. <i>ACS Nano</i> , 2013, 7, 5343-5349.	7.3	109
33	Fabrication of nanoscale lithium niobate waveguides for second-harmonic generation. <i>Optics Letters</i> , 2015, 40, 2715.	1.7	103
34	Optical discrete solitons in waveguide arrays 2 Dynamic properties. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 2637.	0.9	102
35	Multipole approach to metamaterials. <i>Physical Review A</i> , 2008, 78, .	1.0	99
36	Second-Harmonic Generation in Resonant Nonlinear Metasurfaces Based on Lithium Niobate. <i>Nano Letters</i> , 2020, 20, 8608-8614.	4.5	99

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37	The structural and optical properties of black silicon by inductively coupled plasma reactive ion etching. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	97
38	Photon Pairs from Resonant Metasurfaces. <i>Nano Letters</i> , 2021, 21, 4423-4429.	4.5	91
39	Observation of Two-Dimensional Dynamic Localization of Light. <i>Physical Review Letters</i> , 2010, 104, 223903.	2.9	89
40	Enhancing Second Harmonic Generation in Gold Nanoring Resonators Filled with Lithium Niobate. <i>Nano Letters</i> , 2015, 15, 1025-1030.	4.5	89
41	Directional and Spectral Shaping of Light Emission with Mie-Resonant Silicon Nanoantenna Arrays. <i>ACS Photonics</i> , 2018, 5, 1359-1364.	3.2	88
42	Effective properties of amorphous metamaterials. <i>Physical Review B</i> , 2009, 79, .	1.1	86
43	Perspectives for Applications of Quantum Imaging. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900097.	4.4	86
44	Manipulation of Magnetic Dipole Emission from Eu^{3+} with Mie-Resonant Dielectric Metasurfaces. <i>Nano Letters</i> , 2019, 19, 1015-1022.	4.5	85
45	Tailoring Photoluminescence from MoS_2 Monolayers by Mie-Resonant Metasurfaces. <i>ACS Photonics</i> , 2019, 6, 1002-1009.	3.2	82
46	Hexagonal waveguide arrays written with fs-laser pulses. <i>Applied Physics B: Lasers and Optics</i> , 2006, 82, 507-512.	1.1	79
47	Amplitude- and phase-resolved optical near fields of split-ring-resonator-based metamaterials. <i>Optics Letters</i> , 2008, 33, 848.	1.7	78
48	Chiral Bilayer All-Dielectric Metasurfaces. <i>ACS Nano</i> , 2020, 14, 15926-15935.	7.3	76
49	Polarization-Dependent Second Harmonic Diffraction from Resonant GaAs Metasurfaces. <i>ACS Photonics</i> , 2018, 5, 1786-1793.	3.2	74
50	Employing dielectric diffractive structures in solar cells – a numerical study. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 2777-2795.	0.8	73
51	Transition from thin-film to bulk properties of metamaterials. <i>Physical Review B</i> , 2008, 77, .	1.1	71
52	Decay Control via Discrete-to-Continuum Coupling Modulation in an Optical Waveguide System. <i>Physical Review Letters</i> , 2008, 101, 143602.	2.9	70
53	Electrically Tunable Transparent Displays for Visible Light Based on Dielectric Metasurfaces. <i>ACS Photonics</i> , 2019, 6, 1533-1540.	3.2	69
54	Corrugated neat thin-film conjugated polymer distributed-feedback lasers. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 333-342.	1.1	67

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55	Nonlinear thermal effects in optical microspheres at different wavelength sweeping speeds. Optics Express, 2008, 16, 6285.	1.7	66
56	All-optical routing and switching for three-dimensional photonic circuitry. Scientific Reports, 2011, 1, 94.	1.6	66
57	Single and multilayer metamaterials fabricated by nanoimprint lithography. Nanotechnology, 2011, 22, 325301.	1.3	65
58	The origin of magnetic polarizability in metamaterials at optical frequencies - an electrodynamic approach. Optics Express, 2007, 15, 8871.	1.7	64
59	High-bit rate ultra-compact light routing with mode-selective on-chip nanoantennas. Science Advances, 2017, 3, e1700007.	4.7	64
60	Airy plasmons: non-diffracting optical surface waves. Laser and Photonics Reviews, 2014, 8, 221-232.	4.4	62
61	Lithium Niobate on Insulator: An Emerging Platform for Integrated Quantum Photonics. Advanced Optical Materials, 2021, 9, 2100789.	3.6	62
62	Deep-Subwavelength Plasmonic Nanoresonators Exploiting Extreme Coupling. Nano Letters, 2013, 13, 3482-3486.	4.5	61
63	Observation of Defect-Free Surface Modes in Optical Waveguide Arrays. Physical Review Letters, 2008, 101, 203902.	2.9	60
64	Second harmonic generation in free-standing lithium niobate photonic crystal L3 cavity. Applied Physics Letters, 2013, 103, .	1.5	60
65	Nonlinear optics with resonant metasurfaces. MRS Bulletin, 2020, 45, 210-220.	1.7	59
66	Three-Dimensional Photonic Crystal Intermediate Reflectors for Enhanced Light-Trapping in Tandem Solar Cells. Advanced Materials, 2011, 23, 3896-3900.	11.1	58
67	Resonant metasurfaces at oblique incidence: interplay of order and disorder. Scientific Reports, 2014, 4, 4484.	1.6	57
68	The multicore fiber – a novel design for a diode pumped fiber laser. Optics Communications, 1998, 151, 187-195.	1.0	56
69	Scattering properties of meta-atoms. Physical Review B, 2011, 83, .	1.1	56
70	Far-Field Imaging for Direct Visualization of Light Interferences in GaAs Nanowires. Nano Letters, 2012, 12, 5412-5417.	4.5	56
71	Light evolution in arbitrary two-dimensional waveguide arrays. Physical Review A, 2007, 75, .	1.0	55
72	Slow-light enhanced collinear second-harmonic generation in two-dimensional photonic crystals. Physical Review B, 2008, 77, .	1.1	54

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73	Light propagation in a fishnet metamaterial. <i>Physical Review B</i> , 2008, 78, .	1.1	54
74	Image reconstruction in segmented femtosecond laser-written waveguide arrays. <i>Applied Physics Letters</i> , 2008, 93, 181109.	1.5	53
75	Beam steering in waveguide arrays. <i>Applied Physics Letters</i> , 2002, 80, 3247-3249.	1.5	52
76	All-optical switching in quadratically nonlinear waveguide arrays. <i>Optics Letters</i> , 2003, 28, 102.	1.7	52
77	Generation of Nonclassical Biphoton States through Cascaded Quantum Walks on a Nonlinear Chip. <i>Physical Review X</i> , 2014, 4, .	2.8	52
78	Enhancing Guided Second-Harmonic Light in Lithium Niobate Nanowires. <i>ACS Photonics</i> , 2015, 2, 687-691.	3.2	51
79	Submicrometer Nanostructure-Based RGB Filters for CMOS Image Sensors. <i>ACS Photonics</i> , 2019, 6, 1018-1025.	3.2	51
80	Tailoring guided modes in waveguide arrays. <i>Optics Express</i> , 2003, 11, 3404.	1.7	50
81	Observation of diffraction-managed discrete solitons in curved waveguide arrays. <i>Physical Review A</i> , 2008, 78, .	1.0	50
82	Polarization-independent negative-index metamaterial in the near infrared. <i>Optics Letters</i> , 2009, 34, 704.	1.7	50
83	Doubly resonant optical nanoantenna arrays for polarization resolved. <i>Optics Express</i> , 2010, 18, 4184.	1.7	50
84	Disorder-Enabled Pure Chirality in Bilayer Plasmonic Metasurfaces. <i>ACS Photonics</i> , 2018, 5, 1773-1778.	3.2	49
85	Elevating optical activity: Efficient on-edge lithography of three-dimensional starfish metamaterial. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	48
86	Angle-selective all-dielectric Huygensâ€™™ metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 434002.	1.3	48
87	Directional emission from photonic crystal waveguides. <i>Optics Express</i> , 2006, 14, 2423.	1.7	47
88	Diffraction control in periodically curved two-dimensional waveguide arrays. <i>Optics Express</i> , 2007, 15, 9737.	1.7	47
89	Observation of two-dimensional lattice interface solitons. <i>Optics Letters</i> , 2008, 33, 663.	1.7	47
90	Quasi phase matching in femtosecond pulse volume structured xâ€™cut lithium niobate. <i>Laser and Photonics Reviews</i> , 2013, 7, L17.	4.4	47

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91	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
92	Broad-band anti-reflection coupler for a-Si thin-film solar cell. Journal Physics D: Applied Physics, 2007, 40, 754-758.	1.3	45
93	Second-order coupling in femtosecond-laser-written waveguide arrays. Optics Letters, 2008, 33, 2689.	1.7	45
94	Light propagation in a free-standing lithium niobate photonic crystal waveguide. Applied Physics Letters, 2010, 97, .	1.5	45
95	Light bullets in waveguide arrays: spacetime-coupling, spectral symmetry breaking and superluminal decay [Invited]. Optics Express, 2011, 19, 23171.	1.7	45
96	Observation of two-dimensional defect surface solitons. Optics Letters, 2009, 34, 797.	1.7	43
97	Controlling plasmonic hot spots by interfering Airy beams. Optics Letters, 2012, 37, 3402.	1.7	41
98	Hybrid Dielectric Metasurfaces for Enhancing Second-Harmonic Generation in Chemical Vapor Deposition Grown MoS ₂ Monolayers. ACS Photonics, 2021, 8, 218-227.	3.2	41
99	Dielectric metasurfaces for distance measurements and three-dimensional imaging. Advanced Photonics, 2019, 1, 1.	6.2	41
100	Survey of Plasmonic Nanoparticles: From Synthesis to Application. Particle and Particle Systems Characterization, 2014, 31, 721-744.	1.2	40
101	Long-range interaction in waveguide lattices. Physical Review A, 2008, 77, .	1.0	39
102	Understanding the electric and magnetic response of isolated metaatoms by means of a multipolar field decomposition. Optics Express, 2010, 18, 14454.	1.7	39
103	Interferometric beam combination with discrete optics. Optics Letters, 2010, 35, 3009.	1.7	39
104	Evolution dynamics of discrete-continuous light bullets. Physical Review A, 2011, 84, .	1.0	39
105	Absolute measurement of the quadratic nonlinear susceptibility of lithium niobate in waveguides. Optical Materials Express, 2012, 2, 126.	1.6	39
106	Tunable generation of entangled photons in a nonlinear directional coupler. Laser and Photonics Reviews, 2016, 10, 131-136.	4.4	38
107	Observation of Three-Dimensional Discrete-Continuous X Waves in Photonic Lattices. Physical Review Letters, 2009, 103, 113903.	2.9	36
108	Second-harmonic generation in lithium niobate nanowires for local fluorescence excitation. Optics Express, 2013, 21, 19012.	1.7	36

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109	Stable discrete domain walls and quasi-rectangular solitons in quadratically nonlinear waveguide arrays. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1999, 16, 1737.	0.9	35
110	Observation of optical coupling in microdisk resonators. <i>Physical Review A</i> , 2009, 80, .	1.0	35
111	The spectral shift between near- and far-field resonances of optical nano-antennas. <i>Optics Express</i> , 2014, 22, 9971.	1.7	35
112	Polarization-Resolved Near-Field Mapping of Plasmonic Aperture Emission by a Dual-SNOM System. <i>Nano Letters</i> , 2014, 14, 5010-5015.	4.5	35
113	Core-shell potassium niobate nanowires for enhanced nonlinear optical effects. <i>Nanoscale</i> , 2014, 6, 5200.	2.8	35
114	Beyond dipolar Huygens TM metasurfaces for full-phase coverage and unity transmittance. <i>Nanophotonics</i> , 2020, 9, 75-82.	2.9	35
115	Disorder-Induced Phase Transitions in the Transmission of Dielectric Metasurfaces. <i>Physical Review Letters</i> , 2019, 122, 015702.	2.9	35
116	Thermo-optical behavior of rare-earth-doped low-NA fibers in high power operation. <i>Optics Express</i> , 2006, 14, 6091.	1.7	34
117	Black silicon for solar cell applications. <i>Proceedings of SPIE</i> , 2012, , .	0.8	34
118	Observation of Discrete, Vortex Light Bullets. <i>Physical Review X</i> , 2013, 3, .	2.8	34
119	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
120	High speed and high resolution table-top nanoscale imaging. <i>Optics Letters</i> , 2016, 41, 5170.	1.7	34
121	Fresnel's laws in discrete optical media. <i>New Journal of Physics</i> , 2008, 10, 103020.	1.2	33
122	Evaluation of gold nanowire pairs as a potential negative index material. <i>Applied Physics B: Lasers and Optics</i> , 2006, 84, 139-148.	1.1	32
123	Optical metamaterials with quasicrystalline symmetry: Symmetry-induced optical isotropy. <i>Physical Review B</i> , 2013, 88, .	1.1	32
124	LiNbO ₃ waveguides for integrated SPDC spectroscopy. <i>APL Photonics</i> , 2018, 3, .	3.0	32
125	Common pulse retrieval algorithm: a fast and universal method to retrieve ultrashort pulses. <i>Optica</i> , 2019, 6, 495.	4.8	32
126	Material-specific high-resolution table-top extreme ultraviolet microscopy. <i>Light: Science and Applications</i> , 2022, 11, 117.	7.7	32

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127	Contribution of the magnetic resonance to the third harmonic generation from a fishnet metamaterial. <i>Physical Review B</i> , 2012, 86, .	1.1	31
128	Scalable Functionalization of Optical Fibers Using Atomically Thin Semiconductors. <i>Advanced Materials</i> , 2020, 32, e2003826.	11.1	31
129	Multipole nonlinearity of metamaterials. <i>Physical Review A</i> , 2009, 80, .	1.0	29
130	Optical modeling of needle like silicon surfaces produced by an ICP-RIE process. <i>Proceedings of SPIE</i> , 2010, , .	0.8	29
131	Simple and versatile analytical approach for planar metamaterials. <i>Physical Review B</i> , 2010, 82, .	1.1	29
132	Second-order nonlinear frequency conversion processes in plasmonic slot waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012, 29, 1606.	0.9	29
133	Adiabatic light transfer in titanium diffused lithium niobate waveguides. <i>Optics Express</i> , 2015, 23, 30641.	1.7	29
134	Towards 3D-photonics, multi-telescope beam combiners for mid-infrared astrointerferometry. <i>Optics Express</i> , 2017, 25, 19262.	1.7	29
135	Observation of surface solitons in chirped waveguide arrays. <i>Optics Letters</i> , 2008, 33, 1132.	1.7	28
136	Observation of discrete solitons in lattices with second-order interaction. <i>Optics Letters</i> , 2009, 34, 2838.	1.7	28
137	Experimental determination of the dispersion relation of light in metamaterials by white-light interferometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, 660.	0.9	28
138	3D-integrated optics component for astronomical spectro-interferometry. <i>Applied Optics</i> , 2013, 52, 4556.	0.9	28
139	A broad-band scalar vortex coronagraph. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 565-569.	1.6	28
140	Ultrafast plasmon dynamics and evanescent field distribution of reproducible surface-enhanced Raman-scattering substrates. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1811-1818.	1.9	27
141	Dynamics and instability of nonlinear Fano resonances in photonic crystals. <i>Physical Review A</i> , 2009, 79, .	1.0	27
142	Comparison of femtosecond laser-induced damage on unstructured vs. nano-structured Au-targets. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 15-21.	1.1	27
143	Three-dimensional photonic component for multichannel coherence measurements. <i>Optics Letters</i> , 2012, 37, 3030.	1.7	27
144	Polarization properties of optical metasurfaces of different symmetries. <i>Physical Review B</i> , 2015, 91, .	1.1	27

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145	Spatial ultrafast switching and frequency conversion in lithium niobate waveguide arrays. <i>Optics Letters</i> , 2005, 30, 177.	1.7	26
146	Cascaded third harmonic generation in lithium niobate nanowaveguides. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	26
147	Energy deposition dynamics of femtosecond pulses in water. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	26
148	Generation of Counterpropagating Path-Entangled Photon Pairs in a Single Periodic Waveguide. <i>Physical Review Letters</i> , 2017, 118, 183603.	2.9	26
149	Wavelength-scale ptychographic coherent diffractive imaging using a high-order harmonic source. <i>Scientific Reports</i> , 2019, 9, 1735.	1.6	26
150	Diffractive optical elements based on plasmonic metamaterials. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	25
151	Dispersion-engineered nanocomposites enable achromatic diffractive optical elements. <i>Optica</i> , 2019, 6, 1031.	4.8	25
152	Optical Bloch oscillations in general waveguide lattices. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 2632.	0.9	24
153	Surface solitons at interfaces of arrays with spatially modulated nonlinearity. <i>Optics Letters</i> , 2008, 33, 1120.	1.7	24
154	Investigation on the Second Part of the Electromagnetic SERS Enhancement and Resulting Fabrication Strategies of Anisotropic Plasmonic Arrays. <i>ChemPhysChem</i> , 2010, 11, 1918-1924.	1.0	24
155	Huge enhancement of backward second-harmonic generation with slow light in photonic crystals. <i>Physical Review A</i> , 2010, 81, .	1.0	24
156	Subdiffractive all-photonic crystal Fabry-Perot resonators. <i>Optics Letters</i> , 2008, 33, 2695.	1.7	23
157	Photonic crystals in lithium niobate by combining focussed ion beam writing and ion-beam enhanced etching. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2421-2425.	0.8	23
158	Self-suspended micro-resonators patterned in Z-cut lithium niobate membranes. <i>Optical Materials Express</i> , 2015, 5, 2081.	1.6	23
159	Efficient treatment of stacked metasurfaces for optimizing and enhancing the range of accessible optical functionalities. <i>Physical Review A</i> , 2016, 93, .	1.0	23
160	Multiresponsive Dielectric Metasurfaces. <i>ACS Photonics</i> , 2021, 8, 1775-1783.	3.2	22
161	Design rules for customizable optical materials based on nanocomposites. <i>Optical Materials Express</i> , 2018, 8, 3456.	1.6	22
162	Optical coupling of fundamental whispering-gallery modes in bispheres. <i>Physical Review A</i> , 2008, 77, .	1.0	21

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163	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
164	Competing nonlinearities in quadratic nonlinear waveguide arrays. <i>Optics Letters</i> , 2009, 34, 3589.	1.7	20
165	Controlling second-harmonic diffraction by nano-patterning MoS ₂ monolayers. <i>Optics Express</i> , 2019, 27, 35475.	1.7	20
166	Discrete solitons in inhomogeneous waveguide arrays. <i>Chaos</i> , 2003, 13, 744-753.	1.0	19
167	Double-element metamaterial with negative index at near-infrared wavelengths. <i>Optics Letters</i> , 2009, 34, 1678.	1.7	19
168	Phase Transitions of Nonlinear Waves in Quadratic Waveguide Arrays. <i>Physical Review Letters</i> , 2010, 105, 233905.	2.9	19
169	A path to implement optimized randomly textured surfaces for solar cells. <i>Applied Physics Letters</i> , 2013, 103, 131115.	1.5	19
170	Spectral pulse transformations and phase transitions in quadratic nonlinear waveguide arrays. <i>Optics Express</i> , 2011, 19, 23188.	1.7	18
171	Combining randomly textured surfaces and photonic crystals for the photon management in thin film microcrystalline silicon solar cells. <i>Optics Express</i> , 2013, 21, A450.	1.7	18
172	Imaging cross-correlation FROG: measuring ultrashort, complex, spatiotemporal fields. <i>Optics Express</i> , 2013, 21, 25968.	1.7	18
173	Optical activity in sub-wavelength metallic grids and fishnet metamaterials in the conical mount. <i>Optical Materials Express</i> , 2013, 3, 439.	1.6	18
174	Synthesis, Separation, and Hypermethod Characterization of Gold Nanoparticle Dimers Connected by a Rigid Rod Linker. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17809-17817.	1.5	18
175	Strong coupling in hybrid metal-dielectric nanoresonators. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017, 375, 20160312.	1.6	18
176	One-dimensional spatial soliton families in optimally engineered quasi-phase-matched lithium niobate waveguides. <i>Optics Letters</i> , 2004, 29, 596.	1.7	17
177	Angular surface solitons in sectorial hexagonal arrays. <i>Optics Letters</i> , 2008, 33, 1542.	1.7	17
178	Supercontinuum generation in quadratic nonlinear waveguides without quasi-phase matching. <i>Optics Letters</i> , 2015, 40, 629.	1.7	17
179	Hybrid discrete solitons. <i>Physical Review E</i> , 2002, 66, 066604.	0.8	16
180	Optical resonances of self-organized monocrystalline Au nanoparticles embedded in SrTiO ₃ matrix. <i>Optical Materials Express</i> , 2011, 1, 890.	1.6	16

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181	Near-field mapping of optical eigenstates in coupled disk microresonators. <i>Physical Review A</i> , 2012, 85, .	1.0	16
182	Ultrafast control of third-order optical nonlinearities in fishnet metamaterials. <i>Scientific Reports</i> , 2016, 6, 28440.	1.6	16
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