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List of Publications by Year in descending order

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80 papers	3,804 citations	168829 31 h-index	145109 60 g-index
83 all docs	83 docs citations	83 times ranked	5340 citing authors

#	Article	IF	Citations
1	Design of Broadband Infrared Photodetectors Enhanced by Dual-Mode Plasmonic Resonant Cavities. Plasmonics, 2022, 17, 633-638.	1.8	0
2	A structural polymer for highly efficient all-day passive radiative cooling. Nature Communications, 2021, 12, 365.	5.8	287
3	Bilayer ventilated labyrinthine metasurfaces with high sound absorption and tunable bandwidth. Scientific Reports, 2021, 11, 5829.	1.6	10
4	Structural Coloration by Internal Reflection and Interference in Hydrogel Microbubbles and Their Precursors. Advanced Optical Materials, 2021, 9, 2100259.	3.6	6
5	Fast Water Waves in Stationary Surface Disk Arrays. Physical Review Letters, 2021, 127, 254501.	2.9	10
6	Transparent and UV Blocking Structural Colored Hydrogel for Contact Lenses. ACS Applied Materials & Interfaces, 2020, 12, 39639-39648.	4.0	23
7	Upper bound of efficiency for Smith-Purcell emission and evanescent-to-propagating wave conversion in metal-groove metasurfaces. OSA Continuum, 2020, 3, 1608.	1.8	2
8	Strong Collimated Emission Enhancement by Acoustic Metasurfaces. Physical Review Applied, 2019, 12, .	1.5	3
9	Consensus interpretation of the p.Met34Thr and p.Val37Ile variants in GJB2 by the ClinGen Hearing Loss Expert Panel. Genetics in Medicine, 2019, 21, 2442-2452.	1.1	56
10	Prediction of interface states in liquid surface waves with one-dimensional modulation. Physics Letters, Section A: General, Atomic and Solid State Physics, 2019, 383, 2106-2109.	0.9	5
11	Broadband high sound absorption from labyrinthine metasurfaces. AIP Advances, 2018, 8, .	0.6	36
12	Cherenkov Radiation from Photonic Bound States in the Continuum: Towards Compact Free-Electron Lasers. Physical Review Applied, 2018, 10, .	1.5	21
13	Design and fabrication of low-loss antireflection structures for Si windows in 10â€“30 THz. AIP Advances, 2018, 8, 055328.	0.6	0
14	High transparent mid-infrared silicon â€œwindowâ€•decorated with amorphous photonic structures fabricated by facile phase separation. Optics Express, 2018, 26, 18734.	1.7	6
15	Efficient terahertz and infrared Smithâ€“Purcell radiation from metal-slot metasurfaces. Optics Letters, 2018, 43, 3858.	1.7	20
16	Single-channel labyrinthine metasurfaces as perfect sound absorbers with tunable bandwidth. Applied Physics Letters, 2017, 111, .	1.5	70
17	Using active gain to maximize light absorption. Physical Review B, 2017, 96, .	1.1	13
18	Terahertz and infrared Smith-Purcell radiation from Babinet metasurfaces: Loss and efficiency. Physical Review B, 2017, 96, .	1.1	19

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19	Achieving low-emissivity materials with high transmission for broadband radio-frequency signals. Scientific Reports, 2017, 7, 4840.	1.6	12
20	Three-Dimensional Single-Port Labyrinthine Acoustic Metamaterial: Perfect Absorption with Large Bandwidth and Tunability. Physical Review Applied, 2016, 6, .	1.5	234
21	A spiral plasmonic lens with directional excitation of surface plasmons. Scientific Reports, 2016, 6, 32345.	1.6	11
22	Antireflection Coatings on Au Plasmonic Gratings for Infrared Photodetection. Plasmonics, 2015, 10, 1519-1524.	1.8	5
23	Design of Plasmonic Perfect Absorbers for Quantum-well Infrared Photodetection. Plasmonics, 2014, 9, 1397-1400.	1.8	34
24	Bubble-in-Bubble Strategy for High-Quality Ultrasound Imaging with a Structure Coupling Effect. Chemistry of Materials, 2014, 26, 2121-2127.	3.2	12
25	Tunable terahertz radiation from graphene induced by moving electrons. Physical Review B, 2014, 89, .	1.1	57
26	Photocurrent enhancement mechanisms in bilayer nanofilm-based ultraviolet photodetectors made from ZnO and ZnS spherical nanoshells. Nanoscale Research Letters, 2014, 9, 388.	3.1	6
27	Multilayer manipulated diffraction in flower beetles Torynorrhina flammea: intraspecific structural colouration variation. Journal of Optics (United Kingdom), 2014, 16, 105302.	1.0	4
28	Broadband focusing and collimation of water waves by zero refractive index. Scientific Reports, 2014, 4, 6979.	1.6	21
29	Hybrid structures and optical effects in Morpho scales with thin and thick coatings using an atomic layer deposition method. Optics Communications, 2013, 291, 416-423.	1.0	11
30	Design principle of Au grating couplers for quantum-well infrared photodetectors. Optics Letters, 2013, 38, 4037.	1.7	28
31	Linewidth of electromagnetically induced transparency under motional averaging in a coated vapor cell. Chinese Physics B, 2013, 22, 033202.	0.7	5
32	Cathodoluminescence Modulation of ZnS Nanostructures by Morphology, Doping, and Temperature. Advanced Functional Materials, 2013, 23, 3701-3709.	7.8	69
33	Experimental Observation of Negative Effective Gravity in Water Waves. Scientific Reports, 2013, 3, 1916.	1.6	23
34	Tubular oxide microcavity with high-index-contrast walls: Mie scattering theory and 3D confinement of resonant modes. Optics Express, 2012, 20, 18555.	1.7	41
35	Band structure of plasmons and optical absorption enhancement in graphene on subwavelength dielectric gratings at infrared frequencies. Physical Review B, 2012, 86, .	1.1	87
36	Liquid sensing capability of rolled-up tubular optical microcavities: a theoretical study. Lab on A Chip, 2012, 12, 3798.	3.1	17

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37	Fabrication and stimuli-responsive behavior of flexible micro-scrolls. Soft Matter, 2012, 8, 7103.	1.2	30
38	Wideband trapping of light by edge states in honeycomb photonic crystals. Journal of Physics Condensed Matter, 2012, 24, 492203.	0.7	5
39	Stackingâ€Orderâ€Dependent Optoelectronic Properties of Bilayer Nanofilm Photodetectors Made From Hollow ZnS and ZnO Microspheres. Advanced Materials, 2012, 24, 5872-5877.	11.1	134
40	A Novel Electromechanical Actuation Mechanism of a Carbon Nanotube Fiber. Advanced Materials, 2012, 24, 5379-5384.	11.1	93
41	Electrical Transport Properties of Large, Individual NiCo₂O₄ Nanoplates. Advanced Functional Materials, 2012, 22, 998-1004.	7.8	297
42	Slow light with low group-velocity dispersion at the edge of photonic graphene. Physical Review A, 2011, 84, .	1.0	17
43	Negative Effective Gravity in Water Waves by Periodic Resonator Arrays. Physical Review Letters, 2011, 106, 174501.	2.9	39
44	Ultranegative angular dispersion of diffraction in quasiordered biophotonic structures. Optics Express, 2011, 19, 7750.	1.7	12
45	Replication of homologous optical and hydrophobic features by templating wings of butterflies Morpho menelaus. Optics Communications, 2011, 284, 2376-2381.	1.0	47
46	Optical response of a disordered bicontinuous macroporous structure in the longhorn beetleSphingnotus mirabilis. Physical Review E, 2011, 84, 011915.	0.8	41
47	Optical resonances in tubular microcavities with subwavelength wall thicknesses. Applied Physics Letters, 2011, 99, 211104.	1.5	18
48	Hyper-interface, the bridge between radiative wave and evanescent wave. Applied Physics Letters, 2010, 96, 113507.	1.5	20
49	Comparison of optical absorption in Si nanowire and nanoporous Si structures for photovoltaic applications. Applied Physics Letters, 2010, 96, .	1.5	49
50	Cancellation of reflection and transmission at metamaterial surfaces. Optics Letters, 2010, 35, 16.	1.7	28
51	Localized optical orbital approach to study localized states of light in photonic crystals. Physical Review B, 2009, 80, .	1.1	2
52	Observation of the focusing of liquid surface waves. Applied Physics Letters, 2009, 95, 094106.	1.5	19
53	Broadband absorption enhancement in anisotropic metamaterials by mirror reflections. Physical Review B, 2009, 80, .	1.1	31
54	Complete surface plasmon-polariton band gap and gap-governed waveguiding, bending and splitting. Journal of Physics Condensed Matter, 2009, 21, 185010.	0.7	7

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55	Perfectly matched layer absorption boundary condition in planewave based transfer-scattering matrix method for photonic crystal device simulation. Optics Express, 2008, 16, 11548.	1.7	6
56	Fine tuning resonant frequencies for a single cavity defect in three-dimensional layer-by-layer photonic crystal. Optics Express, 2008, 16, 19844.	1.7	6
57	Modeling of three-dimensional photonic crystal lasers in a frequency domain: A scattering matrix solution. Physical Review B, 2008, 77, .	1.1	5
58	Homogenization of acoustic metamaterials of Helmholtz resonators in fluid. Physical Review B, 2008, 77, .	1.1	78
59	Design of midinfrared photodetectors enhanced by resonant cavities with subwavelength metallic gratings. Applied Physics Letters, 2008, 93, .	1.5	32
60	Perfectly matched layer absorption boundary condition in planewave based transfer-scattering matrix method for photonic crystal device simulation. Optics Express, 2008, 16, 11548-54.	1.7	4
61	Gain-scattering-matrix method for photonic crystal laser simulations. Proceedings of SPIE, 2007, , .	0.8	0
62	Diamagnetic Response of Metallic Photonic Crystals at Infrared and Visible Frequencies. Physical Review Letters, 2006, 96, 223901.	2.9	63
63	Propagation of guided modes in curved nanoribbon waveguides. Applied Physics Letters, 2006, 89, 241108.	1.5	14
64	Higher-order incidence transfer matrix method used in three-dimensional photonic crystal coupled-resonator array simulation. Optics Letters, 2006, 31, 3498.	1.7	30
65	Omnidirectional total reflection for liquid surface waves propagating over a bottom with one-dimensional periodic undulations. Physical Review E, 2006, 73, 035302.	0.8	18
66	Brewster angle phenomenon in two-dimensional metallic photonic crystals and its application to polarization beam splitting. Applied Physics Letters, 2006, 89, 201906.	1.5	3
67	Anomalous Doppler effects in phononic band gaps. Physical Review E, 2006, 73, 015602.	0.8	38
68	Refraction of Water Waves by Periodic Cylinder Arrays. Physical Review Letters, 2005, 95, 154501.	2.9	96
69	Two-dimensional sonic crystals with Helmholtz resonators. Physical Review E, 2005, 71, 055601.	0.8	113
70	Superlensing effect in liquid surface waves. Physical Review E, 2004, 69, 030201.	0.8	126
71	Photonic crystals with silver nanowires as a near-infrared superlens. Applied Physics Letters, 2004, 85, 1520-1522.	1.5	117
72	Coloration strategies in peacock feathers. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 12576-12578.	3.3	478

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73	Band structures and band gaps of liquid surface waves propagating through an infinite array of cylinders. Physical Review E, 2003, 68, 037301.	0.8	43
74	Complete band gaps for liquid surface waves propagating over a periodically drilled bottom. Physical Review E, 2003, 68, 066308.	0.8	39
75	Semiconductor-based tunable photonic crystals by means of an external magnetic field. Physical Review B, 2003, 68, .	1.1	81
76	Effects of Disorder on Group Velocity in One-Dimensional Photonic Crystals. Japanese Journal of Applied Physics, 2003, 42, L163-L165.	0.8	2
77	Reconstruction of phonon dispersion in Si nanocrystals. Journal of Physics Condensed Matter, 2002, 14, L671-L677.	0.7	23
78	Abnormal anti-Stokes Raman scattering of carbon nanotubes. Physical Review B, 2002, 66, .	1.1	22
79	Enlargement of omnidirectional total reflection frequency range in one-dimensional photonic crystals by using photonic heterostructures. Applied Physics Letters, 2002, 80, 4291-4293.	1.5	192
80	The vibrational density of states and specific heat of Si nanocrystals. Journal of Physics Condensed Matter, 2001, 13, L835-L840.	0.7	21