Cheng Wei Qiu

List of Publications by Year in Descending Order

418 papers	21,613 citations	80 h-index	127 g-index
481 ext. papers	28,237 ext. citations	11.4 avg, IF	7.47 L-index

#	Paper	IF	Citations
418	Reciprocity of thermal diffusion in time-modulated systems.. *Nature Communications*, **2022**, 13, 167	17.4	4
417	Hyperbolic metamaterials: fusing artificial structures to natural 2D materials. *ELight*, **2022**, 2,		48
416	Schrödinger's red pixel by quasi-bound-states-in-the-continuum.. *Science Advances*, **2022**, 8, eabm4512	14.3	9
415	Passive ultra-conductive thermal metamaterials.. *Advanced Materials*, **2022**, e2200329	24	2
414	Can Weak Chirality Induce Strong Coupling between Resonant States?. *Physical Review Letters*, **2022**, 128, 146102	7.4	6
413	Observation of Weyl exceptional rings in thermal diffusion.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2110018119	11.5	1
412	Diffusive Fizeau Drag in Spatiotemporal Thermal Metamaterials.. *Physical Review Letters*, **2022**, 128, 145901	7.4	3
411	Three-dimensional ultrasound subwavelength arbitrary focusing with broadband sparse metalens. *Science China: Physics, Mechanics and Astronomy*, **2022**, 65, 1	3.6	1
410	Tailoring Topological Transitions of Anisotropic Polaritons by Interface Engineering in Biaxial Crystals.. *Nano Letters*, **2022**,	11.5	6
409	Single-layer spatial analog meta-processor for imaging processing.. *Nature Communications*, **2022**, 13, 2188	17.4	8
408	Real-time Self-adaptive Thermal Metasurface.. *Advanced Materials*, **2022**, e2201093	24	2
407	A metasurface-based light-to-microwave transmitter for hybrid wireless communications.. *Light: Science and Applications*, **2022**, 11, 126	16.7	9
406	Heat transfer control using a thermal analogue of coherent perfect absorption.. *Nature Communications*, **2022**, 13, 2683	17.4	2
405	Breaking the symmetry of polarizers. *Journal of Semiconductors*, **2022**, 43, 050401	2.3	
404	Robustly printable freeform thermal metamaterials. *Nature Communications*, **2021**, 12, 7228	17.4	8
403	Evolution and Nonreciprocity of Loss-Induced Topological Phase Singularity Pairs.. *Physical Review Letters*, **2021**, 127, 266101	7.4	6
402	Dynamics of Topological Polarization Singularity in Momentum Space. *Physical Review Letters*, **2021**, 127, 176101	7.4	1

401	Coexistence of Photoelectric Conversion and Storage in van der Waals Heterojunctions. *Physical Review Letters*, **2021**, 127, 217401	7.4	1
400	Generation of Optical Vortex Beams **2021**, 223-244		
399	Reconfiguring Colors of Single Relief Structures by Directional Stretching. *Advanced Materials*, **2021**, e2108128	24	7
398	Multidimensional phase singularities in nanophotonics. *Science*, **2021**, 374, eabj0039	33.3	23
397	Steering Room-Temperature Plexcitonic Strong Coupling: A Diexcitonic Perspective. *Nano Letters*, **2021**, 21, 8979-8986	11.5	12
396	Artificial intelligence: A powerful paradigm for scientific research. *Innovation(China)*, **2021**, 2, 100179	17.8	21
395	Point-Source Geometric Metasurface Holography. *Nano Letters*, **2021**, 21, 2332-2338	11.5	18
394	Gigantic vortical differential scattering as a monochromatic probe for multiscale chiral structures. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	27
393	Transforming heat transfer with thermal metamaterials and devices. *Nature Reviews Materials*, **2021**, 6, 488-507	73.3	68
392	Spin-Encoded Wavelength-Direction Multitasking Janus Metasurfaces. *Advanced Optical Materials*, **2021**, 9, 2100190	8.1	28
391	From Lingering to Rift: Metasurface Decoupling for Near- and Far-Field Functionalization. *Advanced Materials*, **2021**, 33, e2007507	24	33
390	Hybridized Hyperbolic Surface Phonon Polaritons at □MoO and Polar Dielectric Interfaces. *Nano Letters*, **2021**, 21, 3112-3119	11.5	29
389	Reply to: Reconsidering metasurface lasers. *Nature Photonics*, **2021**, 15, 339-340	33.9	0
388	Smart Doppler Cloak Operating in Broad Band and Full Polarizations. *Advanced Materials*, **2021**, 33, e2007966	24	16
387	Polarization-insensitive 3D conformal-skin metasurface cloak. *Light: Science and Applications*, **2021**, 10, 75	16.7	39
386	Floating solid-state thin films with dynamic structural colour. *Nature Nanotechnology*, **2021**, 16, 795-801	28.7	22
385	Twistronics for photons: opinion. *Optical Materials Express*, **2021**, 11, 1377	2.6	14
384	Thermal camouflaging metamaterials. *Materials Today*, **2021**, 45, 120-141	21.8	48

383	Phase and Polarization Modulations Using Radiation-Type Metasurfaces. *Advanced Optical Materials* , **2021**, 9, 2100159	8.1	6
382	Mid-infrared semimetal polarization detectors with configurable polarity transition. *Nature Photonics*, **2021**, 15, 614-621	33.9	22
381	Efficient and Tunable Reflection of Phonon Polaritons at Built-In Intercalation Interfaces. *Advanced Materials*, **2021**, 33, e2008070	24	6
380	Arbitrary cylindrical vector beam generation enabled by polarization-selective Gouy phase shifter. *Photonics Research*, **2021**, 9, 1048	6	9
379	Phase-to-pattern inverse design paradigm for fast realization of functional metasurfaces via transfer learning. *Nature Communications*, **2021**, 12, 2974	17.4	25
378	Optical Fireworks Based on Multifocal Three-Dimensional Color Prints. *ACS Nano*, **2021**, 15, 10185-10193	16.7	7
377	Enhanced light-matter interactions at photonic magic-angle topological transitions. *Applied Physics Letters*, **2021**, 118, 211101	3.4	14
376	Tailoring Light with Layered and Moir Metasurfaces. *Trends in Chemistry*, **2021**, 3, 342-358	14.8	29
375	Toward the capacity limit of 2D planar Jones matrix with a single-layer metasurface. *Science Advances*, **2021**, 7,	14.3	28
374	Quo Vadis, Metasurfaces?. *Nano Letters*, **2021**, 21, 5461-5474	11.5	34
373	Metasurfaces for bioelectronics and healthcare. *Nature Electronics*, **2021**, 4, 382-391	28.4	19
372	High-resolution light field prints by nanoscale 3D printing. *Nature Communications*, **2021**, 12, 3728	17.4	8
371	Nonlinearity-induced nanoparticle circumgyration at sub-diffraction scale. *Nature Communications*, **2021**, 12, 3722	17.4	5
370	Nanophotonic Structural Colors. *ACS Photonics*, **2021**, 8, 18-33	6.3	80
369	Engineered disorder in photonics. *Nature Reviews Materials*, **2021**, 6, 226-243	73.3	41
368	Path-Dependent Thermal Metadevice beyond Janus Functionalities. *Advanced Materials*, **2021**, 33, e2003084	30.8	6
367	What limits limits?. *National Science Review*, **2021**, 8, nwaa210	10.8	2
366	NON-HERMITIAN ELECTROMAGNETIC METASURFACES AT EXCEPTIONAL POINTS (INVITED REVIEW). *Progress in Electromagnetics Research*, **2021**, 171, 1-20	3.8	11

365	Diffusive nonreciprocity and thermal diode. *Physical Review B*, **2021**, 103,	3.3	12
364	Optical Bound States in Continuum in MoS-Based Metasurface for Directional Light Emission. *Nano Letters*, **2021**, 21, 967-972	11.5	15
363	Many-particle induced band renormalization processes in few- and mono-layer MoS. *Nanotechnology*, **2021**, 32, 135208	3.4	6
362	Near-Omnidirectional Broadband Metamaterial Absorber for TM-Polarized Wave Based on Radiation Pattern Synthesis. *IEEE Transactions on Antennas and Propagation*, **2021**, 1-1	4.9	4
361	Wireless Magnetic Actuation with a Bistable Parity-Time-Symmetric Circuit. *Physical Review Applied*, **2021**, 15,	4.3	2
360	Metaoptronic Multiplexed Interface for Probing Bioentity Behaviors. *Nano Letters*, **2021**, 21, 2681-2689	11.5	3
359	Infrared metasurface-enabled compact polarization nanodevices. *Materials Today*, **2021**, 50, 499-499	21.8	7
358	Observation of Anisotropic Magnetoresistance in Layered Nonmagnetic Semiconducting PdSe. *ACS Applied Materials & Interfaces*, **2021**, 13, 37527-37534	9.5	2
357	Configurable Phase Transitions in a Topological Thermal Material. *Physical Review Letters*, **2021**, 127, 105901	7.4	7
356	Ghost hyperbolic surface polaritons in bulk anisotropic crystals. *Nature*, **2021**, 596, 362-366	50.4	22
355	A phase-to-intensity strategy of angular velocity measurement based on photonic orbital angular momentum. *Nanophotonics*, **2021**,	6.3	1
354	Phyllotaxis-inspired nanosieves with multiplexed orbital angular momentum. *ELight*, **2021**, 1,		33
353	Interface nano-optics with van der Waals polaritons. *Nature*, **2021**, 597, 187-195	50.4	28
352	Ephase modulated monolayer supercritical lens. *Nature Communications*, **2021**, 12, 32	17.4	11
351	. *IEEE Transactions on Antennas and Propagation*, **2021**, 69, 229-238	4.9	21
350	Meta-optics achieves RGB-achromatic focusing for virtual reality. *Science Advances*, **2021**, 7,	14.3	42
349	Giant Helical Dichroism of Single Chiral Nanostructures with Photonic Orbital Angular Momentum. *ACS Nano*, **2021**, 15, 2893-2900	16.7	24
348	Regulated Photon Transport in Chaotic Microcavities by Tailoring Phase Space.. *Physical Review Letters*, **2021**, 127, 273902	7.4	1

347	Zero-bias mid-infrared graphene photodetectors with bulk photoresponse and calibration-free polarization detection. *Nature Communications*, **2020**, 11, 6404	17.4	37
346	Loss-Assisted Metasurface at an Exceptional Point. *ACS Photonics*, **2020**, 7, 3321-3327	6.3	8
345	Edge-oriented and steerable hyperbolic polaritons in anisotropic van der Waals nanocavities. *Nature Communications*, **2020**, 11, 6086	17.4	32
344	Millikelvin-resolved ambient thermography. *Science Advances*, **2020**, 6,	14.3	13
343	Reprogrammable meta-hologram for optical encryption. *Nature Communications*, **2020**, 11, 5484	17.4	60
342	Reconfigurable Photon Sources Based on Quantum Plexcitonic Systems. *Nano Letters*, **2020**, 20, 4645-4652	11.5	7
341	Photonic Nanojet Mediated Backaction of Dielectric Microparticles. *ACS Photonics*, **2020**, 7, 1483-1490	6.3	13
340	Optofluidic Microengine in A Dynamic Flow Environment via Self-Induced Back-Action. *ACS Photonics*, **2020**, 7, 1500-1507	6.3	8
339	3D-Printed Curved Metasurface with Multifunctional Wavefronts. *Advanced Optical Materials*, **2020**, 8, 2000129	8.1	11
338	Steering valley-polarized emission of monolayer MoS sandwiched in plasmonic antennas. *Science Advances*, **2020**, 6, eaao0019	14.3	25
337	Exchange Bias in van der Waals CrCl/FeGeTe Heterostructures. *Nano Letters*, **2020**, 20, 5030-5035	11.5	26
336	Topological polaritons and photonic magic angles in twisted □MoO bilayers. *Nature*, **2020**, 582, 209-213	50.4	174
335	Large enhancement of thermoelectric performance in MoS/-BN heterostructure due to vacancy-induced band hybridization. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 13929-13936	11.5	14
334	Malus-metasurface-assisted polarization multiplexing. *Light: Science and Applications*, **2020**, 9, 101	16.7	86
333	Optical Potential-Well Array for High-Selectivity, Massive Trapping and Sorting at Nanoscale. *Nano Letters*, **2020**, 20, 5193-5200	11.5	24
332	Continuous angle-tunable birefringence with freeform metasurfaces for arbitrary polarization conversion. *Science Advances*, **2020**, 6, eaba3367	14.3	56
331	Artificial Metaphotonics Born Naturally in Two Dimensions. *Chemical Reviews*, **2020**, 120, 6197-6246	68.1	42
330	Robust Optical-Levitation-Based Metrology of Nanoparticle's Position and Mass. *Physical Review Letters*, **2020**, 124, 223603	7.4	17

329	Ghost spintronic THz-emitter-array microscope. *Light: Science and Applications*, **2020**, 9, 99	16.7	31
328	An optically driven digital metasurface for programming electromagnetic functions. *Nature Electronics*, **2020**, 3, 165-171	28.4	108
327	Fano Resonance in Artificial Photonic Molecules. *Advanced Optical Materials*, **2020**, 8, 1902153	8.1	14
326	Enhanced Valley Zeeman Splitting in Fe-Doped Monolayer MoS. *ACS Nano*, **2020**, 14, 4636-4645	16.7	32
325	Monolayer Conveyor for Stably Trapping and Transporting Sub-1´nm Particles. *Laser and Photonics Reviews*, **2020**, 14, 2000030	8.3	9
324	Reconfigurable symmetry-broken laser in a symmetric microcavity. *Nature Communications*, **2020**, 11, 1136	17.4	14
323	. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 1332-1347	4.9	44
322	HvAKT2 and HvHAK1 confer drought tolerance in barley through enhanced leaf mesophyll H homoeostasis. *Plant Biotechnology Journal*, **2020**, 18, 1683-1696	11.6	27
321	Kerker-Type Intensity-Gradient Force of Light. *Laser and Photonics Reviews*, **2020**, 14, 1900265	8.3	13
320	Momentum-Topology-Induced Optical Pulling Force. *Physical Review Letters*, **2020**, 124, 143901	7.4	13
319	Single-Layer Aberration-Compensated Flat Lens for Robust Wide-Angle Imaging. *Laser and Photonics Reviews*, **2020**, 14, 2000017	8.3	12
318	High-purity orbital angular momentum states from a visible metasurface laser. *Nature Photonics*, **2020**, 14, 498-503	33.9	114
317	Moir Hyperbolic Metasurfaces. *Nano Letters*, **2020**, 20, 3217-3224	11.5	75
316	Purity and efficiency of hybrid orbital angular momentum-generating metasurfaces. *Journal of Nanophotonics*, **2020**, 14, 1	1.1	7
315	Metasurface holographic image projection based on mathematical properties of Fourier transform. *PhotoniX*, **2020**, 1,	19	72
314	Optical pulling forces and their applications. *Advances in Optics and Photonics*, **2020**, 12, 288	16.7	47
313	Effective medium theory for thermal scattering off rotating structures. *Optics Express*, **2020**, 28, 25894-25907	3.7	17
312	On-chip trans-dimensional plasmonic router. *Nanophotonics*, **2020**, 9, 3357-3365	6.3	9

311	. *URSI Radio Science Bulletin*, **2020**, 2020, 54-62	0.1	
310	Structuring Nonlinear Wavefront Emitted from Monolayer Transition-Metal Dichalcogenides. *Research*, **2020**, 2020, 9085782	7.8	25
309	Editorial on special issue Metamaterials and Plasmonics in Asia *Nanophotonics*, **2020**, 9, 3045-3047	6.3	
308	Phonon Polaritons and Hyperbolic Response in van der Waals Materials. *Advanced Optical Materials*, **2020**, 8, 1901393	8.1	49
307	Transmission Reflection-Selective Metasurface and Its Application to RCS Reduction of High-Gain Reflector Antenna. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 1426-1435	4.9	16
306	Trichromatic and Tripolarization-Channel Holography with Noninterleaved Dielectric Metasurface. *Nano Letters*, **2020**, 20, 994-1002	11.5	92
305	A Single Noninterleaved Metasurface for High-Capacity and Flexible Mode Multiplexing of Higher-Order Poincar Sphere Beams. *Advanced Materials*, **2020**, 32, e1903983	24	32
304	A Minimalist Single-Layer Metasurface for Arbitrary and Full Control of Vector Vortex Beams. *Advanced Materials*, **2020**, 32, e1905659	24	111
303	Patterned resist on flat silver achieving saturated plasmonic colors with sub-20-nm spectral linewidth. *Materials Today*, **2020**, 35, 99-105	21.8	13
302	Directional Janus Metasurface. *Advanced Materials*, **2020**, 32, e1906352	24	111
301	Extraordinary Multipole Modes and Ultra-Enhanced Optical Lateral Force by Chirality. *Physical Review Letters*, **2020**, 125, 043901	7.4	15
300	Enhancing the modal purity of orbital angular momentum photons. *APL Photonics*, **2020**, 5, 070802	5.2	22
299	A Fully Phase-Modulated Metasurface as An Energy-Controllable Circular Polarization Router. *Advanced Science*, **2020**, 7, 2001437	13.6	103
298	Integrated Molar Chiral Sensing Based on High- Metasurface. *Nano Letters*, **2020**, 20, 8696-8703	11.5	26
297	Cascade domino lithography for extreme photon squeezing. *Materials Today*, **2020**, 39, 89-97	21.8	18
296	Tunable analog thermal material. *Nature Communications*, **2020**, 11, 6028	17.4	22
295	Diffraction-limited imaging with monolayer 2D material-based ultrathin flat lenses. *Light: Science and Applications*, **2020**, 9, 137	16.7	30
294	Collective near-field coupling and nonlocal phenomena in infrared-phononic metasurfaces for nano-light canalization. *Nature Communications*, **2020**, 11, 3663	17.4	35

293	A Thermal Radiation Modulation Platform by Emissivity Engineering with Graded Metal-Insulator Transition. *Advanced Materials*, **2020**, 32, e1907071	24	27
292	Observation of nonreciprocal magnetophonon effect in nonencapsulated few-layered CrI. *Science Advances*, **2020**, 6,	14.3	16
291	Hamiltonian Hopping for Efficient Chiral Mode Switching in Encircling Exceptional Points. *Physical Review Letters*, **2020**, 125, 187403	7.4	11
290	Electromagnetic chirality: from fundamentals to nontraditional chiroptical phenomena. *Light: Science and Applications*, **2020**, 9, 139	16.7	85
289	Breaking Anti-PT Symmetry by Spinning a Resonator. *Nano Letters*, **2020**, 20, 7594-7599	11.5	43
288	A Continuously Tunable Solid-Like Convective Thermal Metadevice on the Reciprocal Line. *Advanced Materials*, **2020**, 32, e2003823	24	18
287	Deuterogenic Plasmonic Vortices. *Nano Letters*, **2020**, 20, 6774-6779	11.5	19
286	Atomically Thin Noble Metal Dichalcogenides for Phase-Regulated Meta-optics. *Nano Letters*, **2020**, 20, 7811-7818	11.5	17
285	Structured Semiconductor Interfaces: Active Functionality on Light Manipulation. *Proceedings of the IEEE*, **2020**, 108, 772-794	14.3	14
284	Chiral plasmonics and enhanced chiral light-matter interactions. *Science China: Physics, Mechanics and Astronomy*, **2020**, 63, 1	3.6	5
283	Polarization-Controlled Dual-Programmable Metasurfaces. *Advanced Science*, **2020**, 7, 1903382	13.6	50
282	Chirality-assisted lateral momentum transfer for bidirectional enantioselective separation. *Light: Science and Applications*, **2020**, 9, 62	16.7	54
281	3D Printed Meta-Helmet for Wide-Angle Thermal Camouflages. *Advanced Functional Materials*, **2020**, 30, 2002061	15.6	19
280	Full-colour nanoprint-hologram synchronous metasurface with arbitrary hue-saturation-brightness control. *Light: Science and Applications*, **2019**, 8, 95	16.7	95
279	Structural color three-dimensional printing by shrinking photonic crystals. *Nature Communications*, **2019**, 10, 4340	17.4	93
278	Nanophotonic Array-Induced Dynamic Behavior for Label-Free Shape-Selective Bacteria Sieving. *ACS Nano*, **2019**, 13, 12070-12080	16.7	29
277	One-step green conversion of benzyl bromide to aldehydes on NaOH-modified g-C3N4 with dioxygen under LED visible light. *Catalysis Science and Technology*, **2019**, 9, 3270-3278	5.5	9
276	Electromagnetic metasurfaces: from concept to applications. *Science Bulletin*, **2019**, 64, 791-792	10.6	6

275	Field-programmable silicon temporal cloak. *Nature Communications*, **2019**, 10, 2726	17.4	5
274	Foliar application of betaine improves water-deficit stress tolerance in barley (Hordeum vulgare L.). *Plant Growth Regulation*, **2019**, 89, 109-118	3.2	9
273	Spectrum Manipulation for Sound with Effective Gauge Fields in Cascading Temporally Modulated Waveguides. *Physical Review Applied*, **2019**, 11,	4.3	3
272	Superoscillation: from physics to optical applications. *Light: Science and Applications*, **2019**, 8, 56	16.7	45
271	Resonance-enhanced three-photon luminesce via lead halide perovskite metasurfaces for optical encoding. *Nature Communications*, **2019**, 10, 2085	17.4	55
270	Roadmap on superoscillations. *Journal of Optics (United Kingdom)*, **2019**, 21, 053002	1.7	59
269	Encrypted Thermal Printing with Regionalization Transformation. *Advanced Materials*, **2019**, 31, e1807849	24	70
268	Ion Write Microthermotics: Programing Thermal Metamaterials at the Microscale. *Nano Letters*, **2019**, 19, 3830-3837	11.5	24
267	Off-Axis Holography with Uniform Illumination via 3D Printed Diffractive Optical Elements. *Advanced Optical Materials*, **2019**, 7, 1900068	8.1	19
266	Quantum plasmonics get applied. *Progress in Quantum Electronics*, **2019**, 65, 1-20	9.1	50
265	Machine-learning reprogrammable metasurface imager. *Nature Communications*, **2019**, 10, 1082	17.4	194
264	Nanoscale Lamb wave-driven motors in nonliquid environments. *Science Advances*, **2019**, 5, eaau8271	14.3	18
263	Versatile total angular momentum generation using cascaded J-plates. *Optics Express*, **2019**, 27, 7469-7484	3.5	24
262	Doublet Thermal Metadevice. *Physical Review Applied*, **2019**, 11,	4.3	40
261	Coherent steering of nonlinear chiral valley photons with a synthetic Au–WS2 metasurface. *Nature Photonics*, **2019**, 13, 467-472	33.9	135
260	Tunable Metasurfaces: Kerker-Conditioned Dynamic Cryptographic Nanoprints (Advanced Optical Materials 4/2019). *Advanced Optical Materials*, **2019**, 7, 1970016	8.1	42
259	Response of Tibetan Wild Barley Genotypes to Drought Stress and Identification of Quantitative Trait Loci by Genome-Wide Association Analysis. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	7
258	Sensitive readout of implantable microsensors using a wireless system locked to an exceptional point. *Nature Electronics*, **2019**, 2, 335-342	28.4	59

257	Ultrasonic super-oscillation wave-packets with an acoustic meta-lens. *Nature Communications*, **2019**, 10, 3411	17.4	37
256	Intelligent metasurface imager and recognizer. *Light: Science and Applications*, **2019**, 8, 97	16.7	119
255	Dielectric multi-momentum meta-transformer in the visible. *Nature Communications*, **2019**, 10, 4789	17.4	50
254	Compact single-shot metalens depth sensors inspired by eyes of jumping spiders. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 22959-22965	11.5	47
253	Chirality-assisted three-dimensional acoustic Floquet lattices. *Physical Review Research*, **2019**, 1,	3.9	16
252	Photonic tractor beams: a review. *Advanced Photonics*, **2019**, 1, 1	8.1	35
251	Synchronization and temporal nonreciprocity of optical microresonators via spontaneous symmetry breaking. *Advanced Photonics*, **2019**, 1, 1	8.1	5
250	Anti-parity-time symmetry in diffusive systems. *Science*, **2019**, 364, 170-173	33.3	116
249	Dynamically tunable infrared grating based on graphene-enabled phase switching of a split ring resonator [Invited]. *Optical Materials Express*, **2019**, 9, 56	2.6	4
248	Nearly lattice-matched molybdenum disulfide/gallium nitride heterostructure enabling high-performance phototransistors. *Photonics Research*, **2019**, 7, 311	6	19
247	High-Order Exceptional Points in Diffusive Systems: Robust APT Symmetry 2 Against Perturbation and Phase Oscillation at APT Symmetry Breaking. *ES Energy & Environments*, **2019**,	2.9	11
246	Zero chiral bulk modes in 3D Weyl metamaterials. *Science Bulletin*, **2019**, 64, 799-801	10.6	1
245	Twisted Surface Plasmons with Spin-Controlled Gold Surfaces. *Advanced Optical Materials*, **2019**, 7, 1801860	8.0	25
244	Perturbative countersurveillance metaoptics with compound nanosieves. *Light: Science and Applications*, **2019**, 8, 101	16.7	23
243	Plasmonic nanoparticle-film-assisted photoelectrochemical catalysis across the entire visible-NIR region. *Nanoscale*, **2019**, 11, 23058-23064	7.7	7
242	Rotation-Selective Moir Magnification of Structural Color Pattern Arrays. *ACS Nano*, **2019**, 13, 14138-14144	14.7	15
241	Ultrasensitive Transmissive Infrared Spectroscopy via Loss Engineering of Metallic Nanoantennas for Compact Devices. *ACS Applied Materials & Interfaces*, **2019**, 11, 47270-47278	9.5	20
240	Manipulation of Orbital-Angular-Momentum Spectrum Using Pinhole Plates. *Physical Review Applied*, **2019**, 12,	4.3	57

239	Upconversion superburst with sub-2 μs lifetime. *Nature Nanotechnology*, **2019**, 14, 1110-1115	28.7	69
238	Hyperbolic Phonon Polaritons in Suspended Hexagonal Boron Nitride. *Nano Letters*, **2019**, 19, 1009-1014	11.5	42
237	Broadband Generation of Photonic Spin-Controlled Arbitrary Accelerating Light Beams in the Visible. *Nano Letters*, **2019**, 19, 1158-1165	11.5	69
236	Symmetry-breaking-induced nonlinear optics at a microcavity surface. *Nature Photonics*, **2019**, 13, 21-24	33.9	100
235	Focus on 2D material nanophotonics. *Nanotechnology*, **2019**, 30, 030201	3.4	2
234	Complex Inverse Design of Meta-optics by Segmented Hierarchical Evolutionary Algorithm. *ACS Nano*, **2019**, 13, 821-829	16.7	24
233	Interference-assisted kaleidoscopic meta-plexer for arbitrary spin-wavefront manipulation. *Light: Science and Applications*, **2019**, 8, 3	16.7	103
232	Compact Aberration-Corrected Spectrometers in the Visible Using Dispersion-Tailored Metasurfaces. *Advanced Optical Materials*, **2019**, 7, 1801144	8.1	27
231	Completely Spin-Decoupled Dual-Phase Hybrid Metasurfaces for Arbitrary Wavefront Control. *ACS Photonics*, **2019**, 6, 211-220	6.3	81
230	Thermal meta-device in analogue of zero-index photonics. *Nature Materials*, **2019**, 18, 48-54	27	112
229	Plasmonic-Assisted Graphene Oxide Artificial Muscles. *Advanced Materials*, **2019**, 31, e1806386	24	85
228	Single-Layer Metasurface with Controllable Multiwavelength Functions. *Nano Letters*, **2018**, 18, 2420-2427	11.5	119
227	Giant intrinsic chiro-optical activity in planar dielectric nanostructures. *Light: Science and Applications*, **2018**, 7, 17158	16.7	141
226	Sculpting nanoparticle dynamics for single-bacteria-level screening and direct binding-efficiency measurement. *Nature Communications*, **2018**, 9, 815	17.4	85
225	Investigating the dynamics of excitons in monolayer WSe before and after organic super acid treatment. *Nanoscale*, **2018**, 10, 9346-9352	7.7	7
224	Illusion Thermotics. *Advanced Materials*, **2018**, 30, e1707237	24	155
223	Twisted Acoustics: Metasurface-Enabled Multiplexing and Demultiplexing. *Advanced Materials*, **2018**, 30, e1800257	24	84
222	Metafluidic metamaterial: a review. *Advances in Physics: X*, **2018**, 3, 1417055	5.1	22

221	Structured thermal surface for radiative camouflage. *Nature Communications*, **2018**, 9, 273	17.4	134
220	Selectively Plasmon-Enhanced Second-Harmonic Generation from Monolayer Tungsten Diselenide on Flexible Substrates. *ACS Nano*, **2018**, 12, 1859-1867	16.7	58
219	Nanometer-precision linear sorting with synchronized optofluidic dual barriers. *Science Advances*, **2018**, 4, eaao0773	14.3	114
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