

Hong-Bo Sun

List of Publications by Year in descending order

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626
papers

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citations

4146
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635
all docs

635
docs citations

635
times ranked

26018
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-induced color centers in crystals. Optics and Laser Technology, 2022, 146, 107527.	4.6	14
2	Heterogeneous self-healing assembly of MXene and graphene oxide enables producing free-standing and self-reparable soft electronics and robots. Science Bulletin, 2022, 67, 501-511.	9.0	25
3	Laser Writing of Color Centers. Laser and Photonics Reviews, 2022, 16, .	8.7	23
4	Narrow-linewidth diamond single-photon sources prepared via femtosecond laser. Applied Physics Letters, 2022, 120, .	3.3	7
5	High-performance strain sensor for detection of human motion and subtle strain by facile fabrication. Measurement: Journal of the International Measurement Confederation, 2022, 189, 110658.	5.0	15
6	Highly polarized emission from organic single-crystal light-emitting devices with a polarization ratio of 176. Optica, 2022, 9, 121.	9.3	13
7	High-resolution <i>in situ</i> patterning of perovskite quantum dots <i>via</i> femtosecond laser direct writing. Nanoscale, 2022, 14, 1174-1178.	5.6	11
8	Biomimetic sapphire windows enabled by inside-out femtosecond laser deep-scribing. PhotonIX, 2022, 3, .	13.5	75
9	Polarization-dependent Bloch oscillations in optical waveguides. Optics Letters, 2022, 47, 617.	3.3	5
10	High-quality rapid laser drilling of transparent hard materials. Optics Letters, 2022, 47, 921.	3.3	12
11	Parallel-Integrated Sapphire Fiber Bragg Gratings Probe Sensor for High Temperature Sensing. IEEE Sensors Journal, 2022, 22, 5703-5708.	4.7	9
12	Ultrafast modulation of valley dynamics in multiple WS ₂ /Ag gratings strong coupling system. PhotonIX, 2022, 3, .	13.5	15
13	Stretchable Organic Light-Emitting Devices with Invisible Orderly Wrinkles by using a Transfer-Free Technique. Advanced Materials Technologies, 2022, 7, .	5.8	5
14	Mechanically and operationally stable flexible inverted perovskite solar cells with 20.32% efficiency by a simple oligomer cross-linking method. Science Bulletin, 2022, 67, 794-802.	9.0	13
15	Smart Diffraction Gratings Based on the Shape Memory Effect. Macromolecular Rapid Communications, 2022, 43, e2100863.	3.9	4
16	Non-Abelian braiding on photonic chips. Nature Photonics, 2022, 16, 390-395.	31.4	58
17	Light-Directed Assembly of Colloidal Matter. Advanced Functional Materials, 2022, 32, .	14.9	10
18	Free-Form Micro-Optics Out of Crystals: Femtosecond Laser 3D Sculpturing. Advanced Functional Materials, 2022, 32, .	14.9	19

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19	Exceptional point protected robust on-chip optical logic gates. Exploration, 2022, 2, .	11.0	4
20	A sustainable, continuously expandable, wearable breath moisture-induced electricity generator. Carbon, 2022, 194, 104-113.	10.3	7
21	Reprogrammable Soft Robot Actuation by Synergistic Magnetic and Light Fields. Advanced Functional Materials, 2022, 32, .	14.9	31
22	Direct Observation of Room-Temperature Intravalley Coherent Coupling Processes in Monolayer MoS ₂ . Laser and Photonics Reviews, 2022, 16, .	8.7	11
23	Broad-Bandwidth Micro-Diffractive Optical Elements. Laser and Photonics Reviews, 2022, 16, .	8.7	10
24	Multi-wavelength metamaterial absorber for retrieving complex refractive index of thin-film materials at infrared regimes. Measurement: Journal of the International Measurement Confederation, 2022, 195, 111167.	5.0	1
25	Curved Photodetectors Based on Perovskite Microwire Arrays via In Situ Conformal Nanoimprinting. Advanced Functional Materials, 2022, 32, .	14.9	18
26	Efficient carrier multiplication and extraction in aqueous-processed giant CdTe-CdS nanocrystal bulk heterostructures. Optical Materials Express, 2022, 12, 2240.	3.0	0
27	Integratable photodetectors based on photopolymerized conductive polymer via femtosecond laser direct writing. Optics Letters, 2022, 47, 2630.	3.3	4
28	Multicoating Nanoarchitectonics for Facile Preparation of Multi-Responsive Paper Actuators. ACS Applied Materials & Interfaces, 2022, 14, 27242-27250.	8.0	6
29	Spin-Valley Depolarization in van der Waals Heterostructures. Journal of Physical Chemistry Letters, 2022, 13, 5501-5507.	4.6	4
30	High-Resolution Patterning of 2D Perovskite Films through Femtosecond Laser Direct Writing. Advanced Functional Materials, 2022, 32, .	14.9	24
31	Laser-Induced Graphene Tapes as Origami and Stick-On Labels for Photothermal Manipulation via Marangoni Effect. Advanced Functional Materials, 2021, 31, .	14.9	78
32	Polarization Independent Quantum Devices With Ultra-Low Birefringence Glass Waveguides. Journal of Lightwave Technology, 2021, 39, 1451-1457.	4.6	10
33	Capillary Force-Induced Printing of Stretchable and Mechanically Stable Silver Nanowire Electrodes With Highly Ordered Alignment For Ultra-Flexible Organic Light-Emitting Devices. IEEE Nanotechnology Magazine, 2021, 20, 99-103.	2.0	5
34	Recent progress in post treatment of silver nanowire electrodes for optoelectronic device applications. Nanoscale, 2021, 13, 12423-12437.	5.6	18
35	Circular cross section waveguides processed by multi-foci-shaped femtosecond pulses. Optics Letters, 2021, 46, 520.	3.3	10
36	Toward High Efficiency Organic Light-Emitting Diodes: Role of Nanoparticles. Advanced Optical Materials, 2021, 9, 2001710.	7.3	13

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37	Observation of robust charge transfer under strain engineering in two-dimensional MoS ₂ -WSe ₂ heterostructures. <i>Nanoscale</i> , 2021, 13, 14081-14088.	5.6	11
38	Trion dynamics and charge photogeneration in MoS ₂ nanosheets prepared by liquid phase exfoliation. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 22430-22436.	2.8	2
39	Many-particle induced band renormalization processes in few- and mono-layer MoS ₂ . <i>Nanotechnology</i> , 2021, 32, 135208.	2.6	10
40	Light-Driven Magnetic Encoding for Hybrid Magnetic Micromachines. <i>Nano Letters</i> , 2021, 21, 1628-1635.	9.1	17
41	Enhanced Efficiency and Mechanical Robustness of Flexible Perovskite Solar Cells by Using HPbI ₃ Additive. <i>Solar Rrl</i> , 2021, 5, 2000821.	5.8	29
42	Opto-Thermophoretic Manipulation. <i>ACS Nano</i> , 2021, 15, 5925-5943.	14.6	59
43	Momentum space toroidal moment in a photonic metamaterial. <i>Nature Communications</i> , 2021, 12, 1784.	12.8	16
44	Bioinspired Soft Robots Based on the Moisture-Responsive Graphene Oxide. <i>Advanced Science</i> , 2021, 8, 2002464.	11.2	70
45	High-Throughput Screening for Phase-Change Memory Materials. <i>Advanced Functional Materials</i> , 2021, 31, 2009803.	14.9	43
46	Enhanced performance of white organic light-emitting devices based on ambipolar white organic single crystals. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	1
47	Near-field nonlinear imaging of an anapole mode beyond diffraction limit. <i>Optics Letters</i> , 2021, 46, 2095.	3.3	2
48	Vector scanning subtractive manufacturing technology for laser rapid fabrication. <i>Optics Letters</i> , 2021, 46, 1963.	3.3	8
49	Controllable molecular doping in organic single crystals toward high-efficiency light-emitting devices. <i>Organic Electronics</i> , 2021, 91, 106089.	2.6	7
50	Nonlinear meta-optics towards applications. <i>Photonix</i> , 2021, 2, .	13.5	46
51	Femtosecond laser inscribed chirped fiber Bragg gratings. <i>Optics Letters</i> , 2021, 46, 2059.	3.3	12
52	Two-Photon Polymerization Nanomanufacturing Based on the Definition-“Reinforcement”-Solidification (DRS) Strategy. <i>Journal of Lightwave Technology</i> , 2021, 39, 2091-2098.	4.6	8
53	A Wearable Sustainable Moisture-Induced Electricity Generator Based on rGO/GO/rGO Sandwich-Like Structural Film. <i>Advanced Electronic Materials</i> , 2021, 7, 2100222.	5.1	14
54	Directional Droplet Transport on Functional Surfaces with Superwettabilities. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100043.	3.7	41

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55	Optical FIB: Far-field fabrication with real-nanoscale spatial resolution in any solid materials. , 2021, , .		0
56	Electronic structure evolution and exciton energy shifting dynamics in WSe_2 : from monolayer to bulk. Journal Physics D: Applied Physics, 2021, 54, 354002.	2.8	4
57	Sub-bandgap absorption and photo-response of molybdenum heavily doped black silicon fabricated by a femtosecond laser. Optics Letters, 2021, 46, 3300.	3.3	18
58	Linked Weyl surfaces and Weyl arcs in photonic metamaterials. Science, 2021, 373, 572-576.	12.6	36
59	Highly Deformable High-Performance Paper-Based Perovskite Photodetector with Improved Stability. ACS Applied Materials & Interfaces, 2021, 13, 31919-31927.	8.0	31
60	Wear-Resistant Blazed Gratings Fabricated by Etching-Assisted Femtosecond Laser Lithography. Journal of Lightwave Technology, 2021, 39, 4690-4694.	4.6	4
61	Reconfigurable meta-radiator based on flexible mechanically controlled current distribution in three-dimensional space. Optics Letters, 2021, 46, 3633.	3.3	0
62	Modulation Doping: A Strategy for 2D Materials Electronics. Nano Letters, 2021, 21, 6298-6303.	9.1	48
63	Laser digital manufacturing of high-performance photodetectors based on a semiconductor microwire. Optics Letters, 2021, 46, 3472.	3.3	2
64	Photopolymerization strategy for the preparation of small-diameter artificial blood vessels with micro-nano structures on the inner wall. Biomedical Optics Express, 2021, 12, 5844.	2.9	2
65	Laser fabrication of modular superhydrophobic chips for reconfigurable assembly and self-propelled droplet manipulation. Photonix, 2021, 2, .	13.5	28
66	Femtosecond transient absorption spectroscopic study on the electronic structures of graphene oxides, graphene oxide nanoribbons and graphene quantum dots. Optical Materials Express, 2021, 11, 3486.	3.0	2
67	Femtosecond laser inscribed helical sapphire fiber Bragg gratings. Optics Letters, 2021, 46, 4836.	3.3	11
68	Probing and Imaging Photonic Spin-Orbit Interactions in Nanostructures. Laser and Photonics Reviews, 2021, 15, 2100011.	8.7	12
69	Resetting directional couplers for high-fidelity quantum photonic integrated chips. Optics Letters, 2021, 46, 5181.	3.3	4
70	Deep diamond single-photon sources prepared by a femtosecond laser. Optics Letters, 2021, 46, 4386.	3.3	3
71	Omnidirectional light absorption enhancement of perovskite solar cells by an antireflection film with holographic lithography microstructures. Optics Letters, 2021, 46, 4781.	3.3	2
72	Electro-responsive actuators based on graphene. Innovation(China), 2021, 2, 100168.	9.1	26

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73	Mexican-hat potential energy surface in two-dimensional III2-VI3 materials and the importance of entropy barrier in ultrafast reversible ferroelectric phase change. Applied Physics Reviews, 2021, 8, .	11.3	13
74	Ultrafast laser-inscribed nanogratings in sapphire for geometric phase elements. Optics Letters, 2021, 46, 536.	3.3	22
75	Observation of quantum-confined exciton states in monolayer WS ₂ quantum dots by ultrafast spectroscopy. Nanoscale, 2021, 13, 17093-17100.	5.6	7
76	Sub-Bandgap Photo-Response of Chromium Hyperdoped Black Silicon Photodetector Fabricated by Femtosecond Laser Pulses. IEEE Sensors Journal, 2021, 21, 25695-25702.	4.7	14
77	Green nanoarchitectonics with PEDOT:PSS/gelatin composite for moisture-responsive actuator and generator. Smart Materials and Structures, 2021, 30, 125014.	3.5	7
78	General Rules Governing the Dynamical Encircling of an Arbitrary Number of Exceptional Points. Physical Review Letters, 2021, 127, 253901.	7.8	27
79	Highly transparent and flexible fabric-based organic light emitting devices for unnoticeable wearable displays. Organic Electronics, 2020, 76, 105494.	2.6	42
80	A Yin-Yang-complementarity strategy for design and fabrication of dual-responsive bimorph actuators. Nano Energy, 2020, 68, 104302.	16.0	59
81	Roller-Assisted Adhesion Imprinting for High-Throughput Manufacturing of Wearable and Stretchable Organic Light-Emitting Devices. Advanced Optical Materials, 2020, 8, 1901525.	7.3	20
82	Reconfigurable Slotted Antenna Inspired by Multidimensional Modulation. , 2020, , .		0
83	Cross-wavelength invisibility integrated with various invisibility tactics. Science Advances, 2020, 6, .	10.3	29
84	Plasmonic ultrathin metal grid electrode induced optical outcoupling enhancement in flexible organic light-emitting device. Organic Electronics, 2020, 87, 105960.	2.6	9
85	Solar-energy camouflage coating with varying sheet resistance. Nano Energy, 2020, 77, 105095.	16.0	15
86	Axially controllable multiple orbital angular momentum beam generator. Applied Physics Letters, 2020, 117, .	3.3	8
87	Active Surface with Dynamic Microstructures and Hierarchical Gradient Enabled by in situ Pneumatic Control. Micromachines, 2020, 11, 992.	2.9	2
88	Room-temperature fabrication of SiC microwire photodetectors on rigid and flexible substrates via femtosecond laser direct writing. Nanoscale, 2020, 12, 23200-23205.	5.6	18
89	Spin-Symmetry-Selective Generation of Ultracompact Optical Vortices in Nanoapertures without Chirality. Small Structures, 2020, 1, 2000008.	12.0	3
90	Ingenious humidity-powered micro-worm with asymmetric biped from single hydrogel. Sensors and Actuators B: Chemical, 2020, 322, 128620.	7.8	15

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91	Bioinspired Superhydrophobic Surfaces via Laser-Structuring. <i>Frontiers in Chemistry</i> , 2020, 8, 835.	3.6	26
92	Layer-Dependent Electron Transfer and Recombination Processes in $\text{MoS}_2/\text{WSe}_2$ Multilayer Heterostructures. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 9649-9655.	4.6	15
93	Vortical Reflection and Spiraling Fermi Arcs with Weyl Metamaterials. <i>Physical Review Letters</i> , 2020, 125, 093904.	7.8	26
94	Well-Balanced Ambipolar Organic Single Crystals toward Highly Efficient Light-Emitting Devices. <i>Advanced Functional Materials</i> , 2020, 30, 2002422.	14.9	22
95	Femtosecond laser programmed artificial musculoskeletal systems. <i>Nature Communications</i> , 2020, 11, 4536.	12.8	117
96	Shape-Designable and Size-Tunable Organic-Inorganic Hybrid Perovskite Micro-Ring Resonator Arrays. <i>Advanced Materials Technologies</i> , 2020, 5, 2000051.	5.8	7
97	Controllably fabricated single microwires from $\text{Pd-WO}_3 \cdot x\text{H}_2\text{O}$ nanoparticles by femtosecond laser for faster response ammonia sensors at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2020, 316, 128122.	7.8	10
98	Airflow Enhanced Solar Evaporation Based on Janus Graphene Membranes with Stable Interfacial Floatability. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25435-25443.	8.0	93
99	Perovskite Single-Crystal Microwire-Array Photodetectors with Performance Stability beyond 1 Year. <i>Advanced Materials</i> , 2020, 32, e2001998.	21.0	130
100	Laser Fabrication of Bioinspired Graphene Surfaces With Superwettability. <i>Frontiers in Chemistry</i> , 2020, 8, 525.	3.6	10
101	Microsensor Based on Gold Nanoparticles for Fast and Sensitive Ortho-Xylene Detection. <i>IEEE Sensors Journal</i> , 2020, 20, 12552-12557.	4.7	6
102	Multi-field-coupling energy conversion for flexible manipulation of graphene-based soft robots. <i>Nano Energy</i> , 2020, 71, 104578.	16.0	44
103	Programmable deformation of patterned bimorph actuator swarm. <i>National Science Review</i> , 2020, 7, 775-785.	9.5	50
104	Transient Depolarization Spectroscopic Study on Electronic Structure and Fluorescence Origin of Graphene Oxide. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 1483-1489.	4.6	5
105	Highly Flexible Fabric-Based Organic Light-Emitting Devices for Conformal Wearable Displays. <i>Advanced Materials Technologies</i> , 2020, 5, 1900942.	5.8	20
106	In microchannel driven micromotor by microfluid liquid as potential multi-functional devices towards lab on a chip. <i>Optik</i> , 2020, 206, 164312.	2.9	3
107	Ultrafast laser-induced black silicon, from micro-nanostructuring, infrared absorption mechanism, to high performance detecting devices. <i>Materials Today Nano</i> , 2020, 11, 100078.	4.6	25
108	O-FIB: far-field-induced near-field breakdown for direct nanowriting in an atmospheric environment. <i>Light: Science and Applications</i> , 2020, 9, 41.	16.6	113

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109	Time-dependent density-functional theory molecular-dynamics study on amorphization of Sc-Sb-Te alloy under optical excitation. Npj Computational Materials, 2020, 6, .	8.7	32
110	Stretchable Textiles with Superwettabilities for Tunable Oil-Water Separation. ChemNanoMat, 2020, 6, 1111-1118.	2.8	6
111	Fluorescent chemo-sensors based on "dual smart" optical micro/nano-waveguides lithographically fabricated with AIE composite resins. Materials Horizons, 2020, 7, 1782-1789.	12.2	19
112	Fast-response humidity sensor based on laser printing for respiration monitoring. RSC Advances, 2020, 10, 8910-8916.	3.6	37
113	PFSa-passivated silver nanowire transparent electrodes for highly flexible organic-light-emitting devices with improved stability. Organic Electronics, 2020, 84, 105727.	2.6	10
114	Convex silica microlens arrays via femtosecond laser writing. Optics Letters, 2020, 45, 636.	3.3	31
115	Long focusing range and self-healing Bessel vortex beam generator. Optics Letters, 2020, 45, 2580.	3.3	10
116	Diamond optical vortex generator processed by ultraviolet femtosecond laser. Optics Letters, 2020, 45, 2684.	3.3	8
117	Improved performance of pure red perovskite light-emitting devices based on CsPb(Br _{1-x} I _x) ₃ with variable content of iodine and bromine. Optics Letters, 2020, 45, 2724.	3.3	2
118	Enhanced efficiency of organic light-emitting devices by using a directly imprinted nanopillared ultrathin metallic electrode. Optics Letters, 2020, 45, 4879.	3.3	6
119	Improved light extraction in all-inorganic perovskite light-emitting devices with periodic nanostructures by nanoimprinting lithography. Optics Letters, 2020, 45, 5156.	3.3	8
120	Laser fabrication of graphene-based supercapacitors. Photonics Research, 2020, 8, 577.	7.0	35
121	Bi-channel near- and far-field optical vortex generator based on a single plasmonic metasurface. Photonics Research, 2020, 8, 986.	7.0	19
122	Plasmon-enhanced organic and perovskite solar cells with metal nanoparticles. Nanophotonics, 2020, 9, 3111-3133.	6.0	52
123	Highly transparent and conductive metal oxide/metal/polymer composite electrodes for high-efficiency flexible organic light-emitting devices. Nanophotonics, 2020, 9, 3567-3573.	6.0	8
124	Long focusing range and self-healing Bessel vortex beam generator: publisher's note. Optics Letters, 2020, 45, 3058.	3.3	0
125	Design of a non-Hermitian on-chip mode converter using phase change materials. Optics Letters, 2020, 45, 4630.	3.3	8
126	Evaluation of Charged Defect Energy in Two-Dimensional Semiconductors for Nanoelectronics: The WLZ Extrapolation Method. Annalen Der Physik, 2020, 532, 1900318.	2.4	4

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127	Perovskite Quantum Dots Based Light-Emitting Diodes. Springer Series in Materials Science, 2020, , 107-138.	0.6	0
128	UV&NIR femtosecond laser hybrid lithography for efficient printing of complex on-chip waveguides. Optics Letters, 2020, 45, 1862.	3.3	6
129	Plasmonic&Assisted Graphene Oxide Artificial Muscles. Advanced Materials, 2019, 31, e1806386.	21.0	134
130	Thermally-induced wrinkles on PH1000/graphene composite electrode for enhanced efficiency of organic solar cells. Solar Energy Materials and Solar Cells, 2019, 201, 110075.	6.2	11
131	Actuators: Quantum-Confined-Superfluidics-Enabled Moisture Actuation Based on Unilaterally Structured Graphene Oxide Papers (Adv. Mater. 32/2019). Advanced Materials, 2019, 31, 1970231.	21.0	6
132	Light-Responsive Actuators Based on Graphene. Frontiers in Chemistry, 2019, 7, 506.	3.6	21
133	Smart Compound Eyes Enable Tunable Imaging. Advanced Functional Materials, 2019, 29, 1903340.	14.9	66
134	Highly Flexible and Mechanically Robust Ultrathin Au Grid as Electrodes for Flexible Organic Light-Emitting Devices. IEEE Nanotechnology Magazine, 2019, 18, 776-780.	2.0	5
135	Highly Sensitive Directional Torsion Sensor Based on a Helical Panda Fiber Taper. IEEE Photonics Technology Letters, 2019, 31, 1009-1012.	2.5	21
136	Robust Remote Sensing of Trace&Level Heavy&Metal Contaminants in Water Using Laser Filaments. Global Challenges, 2019, 3, 1800070.	3.6	4
137	Femtosecond laser fabrication of 3D templates for mass production of artificial compound eyes. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2019, 2, 110-117.	3.2	20
138	Organic Single&Crystalline Semiconductors for Light&Emitting Applications: Recent Advances and Developments. Laser and Photonics Reviews, 2019, 13, 1900009.	8.7	41
139	Femtosecond Laser Inscribed Sapphire Fiber Bragg Grating for High Temperature and Strain Sensing. IEEE Nanotechnology Magazine, 2019, 18, 208-211.	2.0	43
140	Directly Imprinted Periodic Corrugation on Ultrathin Metallic Electrode for Enhanced Light Extraction in Organic Light-Emitting Devices. IEEE Nanotechnology Magazine, 2019, 18, 1057-1062.	2.0	8
141	Ultrafast Spectroscopic Study of Insulator&Semiconductor&Semimetal Transitions in Graphene Oxide and Its Reduced Derivatives. Journal of Physical Chemistry C, 2019, 123, 22550-22555.	3.1	15
142	Sapphire Concave Microlens Arrays for High-Fluence Pulsed Laser Homogenization. IEEE Photonics Technology Letters, 2019, 31, 1615-1618.	2.5	21
143	Gradient Assembly of Polymer Nanospheres and Graphene Oxide Sheets for Dual-Responsive Soft Actuators. ACS Applied Materials & Interfaces, 2019, 11, 37130-37138.	8.0	32
144	Template-confined growth of Ruddlesden&Popper perovskite micro-wire arrays for stable polarized photodetectors. Nanoscale, 2019, 11, 18272-18281.	5.6	36

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145	Versatile Electronic Skins with Biomimetic Micronanostructures Fabricated Using Natural Reed Leaves as Templates. ACS Applied Materials & Interfaces, 2019, 11, 38084-38091.	8.0	50
146	Laser-Inscribed Stress-Induced Birefringence of Sapphire. Nanomaterials, 2019, 9, 1414.	4.1	13
147	Perovskite quantum dots for light-emitting devices. Nanoscale, 2019, 11, 19119-19139.	5.6	97
148	Stretchable Organometalâ€‘Halideâ€‘Perovskite Quantumâ€‘Dot Lightâ€‘Emitting Diodes. Advanced Materials, 2019, 31, e1807516.	21.0	79
149	Dual-3D Femtosecond Laser Nanofabrication Enables Dynamic Actuation. ACS Nano, 2019, 13, 4041-4048.	14.6	90
150	Graphene as a Transparent and Conductive Electrode for Organic Optoelectronic Devices. Advanced Electronic Materials, 2019, 5, 1900247.	5.1	40
151	Quantumâ€‘Confinedâ€‘Superfluidicsâ€‘Enabled Moisture Actuation Based on Unilaterally Structured Graphene Oxide Papers. Advanced Materials, 2019, 31, e1901585.	21.0	78
152	High-Efficiency Spiral Zone Plates in Sapphire. IEEE Photonics Technology Letters, 2019, 31, 979-982.	2.5	9
153	Onâ€‘Chip Polarization Rotators. Advanced Optical Materials, 2019, 7, 1900129.	7.3	18
154	Rapid Engraving of Artificial Compound Eyes from Curved Sapphire Substrate. Advanced Functional Materials, 2019, 29, 1900037.	14.9	60
155	Direct laser writing of flexible planar supercapacitors based on GO and black phosphorus quantum dot nanocomposites. Nanoscale, 2019, 11, 9133-9140.	5.6	41
156	Optical Nanofabrication of Concave Microlens Arrays. Laser and Photonics Reviews, 2019, 13, 1800272.	8.7	65
157	A complementary strategy for producing moisture and alkane dual-responsive actuators based on graphene oxide and PDMS bimorph. Sensors and Actuators B: Chemical, 2019, 290, 133-139.	7.8	35
158	Gold nanoparticle densely packed micro/nanowire-based pressure sensors for human motion monitoring and physiological signal detection. Nanoscale, 2019, 11, 4925-4932.	5.6	37
159	Nacre-inspired moisture-responsive graphene actuators with robustness and self-healing properties. Nanoscale, 2019, 11, 20614-20619.	5.6	26
160	Surface nanostructuring <i>via</i> femtosecond lasers. Physical Chemistry Chemical Physics, 2019, 21, 24262-24268.	2.8	12
161	Kraft Mesh Origami for Efficient Oilâ€‘Water Separation. Langmuir, 2019, 35, 815-823.	3.5	13
162	Ultrathin Metal Films as the Transparent Electrode in ITOâ€‘Free Organic Optoelectronic Devices. Advanced Optical Materials, 2019, 7, 1800778.	7.3	133

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163	Laser-Structured Graphene/Reduced Graphene Oxide Films towards Bio-Inspired Superhydrophobic Surfaces. Bulletin of the Chemical Society of Japan, 2019, 92, 283-289.	3.2	36
164	Centimeter-Sized Aplanatic Hybrid Diffractive-Refractive Lens. IEEE Photonics Technology Letters, 2019, 31, 3-6.	2.5	4
165	Tunable Metasurfaces Based on Active Materials. Advanced Functional Materials, 2019, 29, 1806692.	14.9	161
166	Recent Developments in Flexible Organic Light-Emitting Devices. Advanced Materials Technologies, 2019, 4, 1800371.	5.8	104
167	Flexible and transparent supercapacitor based on ultrathin Au/graphene composite electrodes. Applied Surface Science, 2019, 467-468, 104-111.	6.1	54
168	Femtosecond Laser Nano-Fabrication With Extended Processing Range. IEEE Photonics Technology Letters, 2019, 31, 133-136.	2.5	6
169	High-Color-Rendering and High-Efficiency White Organic Light-Emitting Devices Based on Double-Doped Organic Single Crystals. Advanced Functional Materials, 2019, 29, 1807606.	14.9	42
170	Laser fabrication of graphene-based electrothermal actuators enabling predictable deformation. Optics Letters, 2019, 44, 1363.	3.3	26
171	Hierarchically structuring and synchronous photoreduction of graphene oxide films by laser holography for supercapacitors. Optics Letters, 2019, 44, 1714.	3.3	8
172	Ultra-smooth micro-optical components of various geometries. Optics Letters, 2019, 44, 2454.	3.3	15
173	Enhanced efficiency of all-inorganic perovskite light-emitting diodes by using F4-TCNQ-doped PTAA as a hole-transport layer. Optics Letters, 2019, 44, 4817.	3.3	6
174	Control of diameter and numerical aperture of microlens by a single ultra-short laser pulse. Optics Letters, 2019, 44, 5149.	3.3	19
175	Etching-assisted femtosecond laser modification of hard materials. Opto-Electronic Advances, 2019, 2, 19002101-19002114.	13.3	60
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177	Aplanatic Zone Plate Embedded in Sapphire. IEEE Photonics Technology Letters, 2018, 30, 509-512.	2.5	3
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