Hong-Bo Sun

List of Publications by Year in descending order

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626 papers	31,116 citations	4146 87 h-index	9103 144 g-index
635 all docs	635 docs citations	635 times ranked	26018 citing authors

#	Article	IF	Citations
1	Finer features for functional microdevices. Nature, 2001, 412, 697-698.	27.8	2,656
2	Common Origin of Green Luminescence in Carbon Nanodots and Graphene Quantum Dots. ACS Nano, 2014, 8, 2541-2547.	14.6	701
3	Three-dimensional photonic crystal structures achieved with two-photon-absorption photopolymerization of resin. Applied Physics Letters, 1999, 74, 786-788.	3.3	581
4	Direct imprinting of microcircuits on graphene oxides film by femtosecond laser reduction. Nano Today, 2010, 5, 15-20.	11.9	453
5	Designable 3D nanofabrication by femtosecond laser direct writing. Nano Today, 2010, 5, 435-448.	11.9	452
6	Recent developments in superhydrophobic surfaces with unique structural and functional properties. Soft Matter, 2012, 8, 11217.	2.7	342
7	Carbonâ€Based Photothermal Actuators. Advanced Functional Materials, 2018, 28, 1802235.	14.9	297
8	Two-beam-laser interference mediated reduction, patterning and nanostructuring of graphene oxide for the production of a flexible humidity sensing device. Carbon, 2012, 50, 1667-1673.	10.3	290
9	Curvatureâ€Driven Reversible In Situ Switching Between Pinned and Rollâ€Down Superhydrophobic States for Water Droplet Transportation. Advanced Materials, 2011, 23, 545-549.	21.0	268
10	Two-Photon Photopolymerization and 3D Lithographic Microfabrication. Advances in Polymer Science, 2006, , 169-273.	0.8	261
11	Threeâ€Level Biomimetic Riceâ€Leaf Surfaces with Controllable Anisotropic Sliding. Advanced Functional Materials, 2011, 21, 2927-2932.	14.9	251
12	Multiple-spot parallel processing for laser micronanofabrication. Applied Physics Letters, 2005, 86, 044102.	3.3	245
13	Photoreduction of Graphene Oxides: Methods, Properties, and Applications. Advanced Optical Materials, 2014, 2, 10-28.	7.3	235
14	Monolayer II-VI semiconductors: A first-principles prediction. Physical Review B, 2015, 92, .	3.2	226
15	Ferrofluids for Fabrication of Remotely Controllable Microâ€Nanomachines by Twoâ€Photon Polymerization. Advanced Materials, 2010, 22, 3204-3207.	21.0	222
16	Bioinspired Graphene Actuators Prepared by Unilateral UV Irradiation of Graphene Oxide Papers. Advanced Functional Materials, 2015, 25, 4548-4557.	14.9	219
17	Moistureâ€Responsive Graphene Paper Prepared by Selfâ€Controlled Photoreduction. Advanced Materials, 2015, 27, 332-338.	21.0	214
18	Rapid sub-diffraction-limit laser micro/nanoprocessing in a threshold material system. Applied Physics Letters, 2002, 80, 312-314.	3.3	206

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19	Multifunctional superparamagnetic iron oxide nanoparticles: design, synthesis and biomedical photonic applications. Nanoscale, 2013, 5, 7664.	5.6	196
20	One order of magnitude faster phase change at reduced power in Ti-Sb-Te. Nature Communications, 2014, 5, 4086.	12.8	195
21	Arbitrary-lattice photonic crystals created by multiphoton microfabrication. Optics Letters, 2001, 26, 325.	3.3	194
22	Improved spatial resolution and surface roughness in photopolymerization-based laser nanowriting. Applied Physics Letters, 2005, 86, 071122.	3.3	192
23	Time-Resolved Fluorescence Study of Aggregation-Induced Emission Enhancement by Restriction of Intramolecular Charge Transfer State. Journal of Physical Chemistry B, 2010, 114, 128-134.	2.6	188
24	Lightâ€Mediated Manufacture and Manipulation of Actuators. Advanced Materials, 2016, 28, 8328-8343.	21.0	186
25	Efficient and mechanically robust stretchable organic light-emitting devices by a laser-programmable buckling process. Nature Communications, 2016, 7, 11573.	12.8	182
26	Scaling laws of voxels in two-photon photopolymerization nanofabrication. Applied Physics Letters, 2003, 83, 1104-1106.	3.3	178
27	Bioinspired Underwater Superoleophobic Membrane Based on a Graphene Oxide Coated Wire Mesh for Efficient Oil/Water Separation. ACS Applied Materials & Interfaces, 2015, 7, 20930-20936.	8.0	177
28	Plasmonic nano-printing: large-area nanoscale energy deposition for efficient surface texturing. Light: Science and Applications, 2017, 6, e17112-e17112.	16.6	177
29	Microcavities in polymeric photonic crystals. Applied Physics Letters, 2001, 79, 1-3.	3.3	176
30	Fabrication and multifunction integration of microfluidic chips by femtosecond laser direct writing. Lab on A Chip, 2013, 13, 1677.	6.0	168
31	Three-dimensional focal spots related to two-photon excitation. Applied Physics Letters, 2002, 80, 3673-3675.	3.3	163
32	Femtosecond laser rapid prototyping of nanoshells and suspending components towards microfluidic devices. Lab on A Chip, 2009, 9, 2391.	6.0	162
33	Tunable Metasurfaces Based on Active Materials. Advanced Functional Materials, 2019, 29, 1806692.	14.9	161
34	Functional organic single crystals for solid-state laser applications. Laser and Photonics Reviews, 2014, 8, 687-715.	8.7	160
35	Real three-dimensional microstructures fabricated by photopolymerization of resins through two-photon absorption. Optics Letters, 2000, 25, 1110.	3.3	153
36	Single S-tapered fiber Machâ€“Zehnder interferometers. Optics Letters, 2011, 36, 4482.	3.3	152

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37	Unraveling Bright Moleculeâ€Like State and Dark Intrinsic State in Greenâ€Fluorescence Graphene Quantum Dots via Ultrafast Spectroscopy. Advanced Optical Materials, 2013, 1, 264-271.	7.3	144
38	Recent developments in superhydrophobic graphene and graphene-related materials: from preparation to potential applications. Nanoscale, 2015, 7, 7101-7114.	5.6	144
39	High numerical aperture microlens arrays of close packing. Applied Physics Letters, 2010, 97, .	3.3	143
40	Bioinspired Fabrication of Highâ€Quality 3D Artificial Compound Eyes by Voxelâ€Modulation Femtosecond Laser Writing for Distortionâ€Free Wideâ€Fieldâ€ofâ€View Imaging. Advanced Optical Materials, 2014, 2, 751-758.	7.3	134
41	Plasmonicâ€Assisted Graphene Oxide Artificial Muscles. Advanced Materials, 2019, 31, e1806386.	21.0	134
42	Protein-based soft micro-optics fabricated by femtosecond laser direct writing. Light: Science and Applications, 2014, 3, e129-e129.	16.6	133
43	Ultrathin Metal Films as the Transparent Electrode in ITOâ€Free Organic Optoelectronic Devices. Advanced Optical Materials, 2019, 7, 1800778.	7.3	133
44	Slow cooling and efficient extraction of C-exciton hot carriers in MoS2 monolayer. Nature Communications, 2017, 8, 13906.	12.8	132
45	Perovskite Singleâ€Crystal Microwireâ€Array Photodetectors with Performance Stability beyond 1 Year. Advanced Materials, 2020, 32, e2001998.	21.0	130
46	Facile creation of hierarchical PDMS microstructures with extreme underwater superoleophobicity for anti-oil application in microfluidic channels. Lab on A Chip, 2011, 11, 3873.	6.0	127
47	Two-photon photoreduction of metallic nanoparticle gratings in a polymer matrix. Applied Physics Letters, 2003, 83, 1426-1428.	3.3	124
48	Investigation of photoluminescence mechanism of graphene quantum dots and evaluation of their assembly into polymer dots. Carbon, 2014, 77, 462-472.	10.3	124
49	Elastic force analysis of functional polymer submicron oscillators. Applied Physics Letters, 2001, 79, 3173-3175.	3.3	122
50	Three-Dimensional Optical Data Storage in Vitreous Silica. Japanese Journal of Applied Physics, 1998, 37, L1527-L1530.	1.5	120
51	Phaseâ€Change Superlattice Materials toward Low Power Consumption and High Density Data Storage: Microscopic Picture, Working Principles, and Optimization. Advanced Functional Materials, 2018, 28, 1803380.	14.9	119
52	Bioinspired Fabrication of Superhydrophobic Graphene Films by Twoâ€Beam Laser Interference. Advanced Functional Materials, 2014, 24, 4595-4602.	14.9	118
53	Femtosecond laser programmed artificial musculoskeletal systems. Nature Communications, 2020, 11, 4536.	12.8	117
54	Two-photon laser precision microfabrication and its applications to micro-nano devices and systems. Journal of Lightwave Technology, 2003, 21, 624-633.	4.6	115

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55	Magnetic-mesoporous Janus nanoparticles. Chemical Communications, 2011, 47, 1225-1227.	4.1	115
56	Wearable Superhydrophobic Elastomer Skin with Switchable Wettability. Advanced Functional Materials, 2018, 28, 1800625.	14.9	115
57	Flexible Nanowiring of Metal on Nonplanar Substrates by Femtosecondâ€Laserâ€Induced Electroless Plating. Small, 2010, 6, 1762-1766.	10.0	114
58	O-FIB: far-field-induced near-field breakdown for direct nanowriting in an atmospheric environment. Light: Science and Applications, 2020, 9, 41.	16.6	113
59	Bandgap Tailoring and Synchronous Microdevices Patterning of Graphene Oxides. Journal of Physical Chemistry C, 2012, 116, 3594-3599.	3.1	111
60	Aqueous multiphoton lithography with multifunctional silk-centred bio-resists. Nature Communications, 2015, 6, 8612.	12.8	111
61	Deep dissection of superb p<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi></mml:math>-type conductivity in the earth-abundant solar-cell material Cu<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>ZnSnS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow />	3.2	110
62	Direct Laser Writing of Superhydrophobic PDMS Elastomers for Controllable Manipulation via Marangoni Effect. Advanced Functional Materials, 2017, 27, 1702946.	14.9	109
63	Role of Electronic Excitation in the Amorphization of Ge-Sb-Te Alloys. Physical Review Letters, 2011, 107, 015501.	7.8	107
64	Optical Tamm states enhanced broad-band absorption of organic solar cells. Applied Physics Letters, 2012, 101, .	3.3	106
65	Two-photon photopolymerization and diagnosis of three-dimensional microstructures containing fluorescent dyes. Applied Physics Letters, 2001, 79, 1411-1413.	3.3	105
66	On-chip fabrication of silver microflower arrays as a catalytic microreactor for allowing in situSERS monitoring. Chemical Communications, 2012, 48, 1680-1682.	4.1	105
67	Dynamically Tunable Protein Microlenses. Angewandte Chemie - International Edition, 2012, 51, 1558-1562.	13.8	105
68	Recent Developments in Flexible Organic Lightâ€Emitting Devices. Advanced Materials Technologies, 2019, 4, 1800371.	5.8	104
69	Recording by microexplosion and two-photon reading of three-dimensional optical memory in polymethylmethacrylate films. Applied Physics Letters, 2000, 76, 1000-1002.	3.3	103
70	Two-Dimensional Transition Metal Honeycomb Realized: Hf on Ir(111). Nano Letters, 2013, 13, 4671-4674.	9.1	102
71	Silverâ€Coated Rose Petal: Green, Facile, Lowâ€Cost and Sustainable Fabrication of a SERS Substrate with Unique Superhydrophobicity and High Efficiency. Advanced Optical Materials, 2013, 1, 56-60.	7.3	102
72	Ultrasmooth, highly conductive and transparent PEDOT:PSS/silver nanowire composite electrode for flexible organic light-emitting devices. Organic Electronics, 2016, 31, 247-252.	2.6	101

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73	Sensitively Humidityâ€Ðriven Actuator Based on Photopolymerizable PEGâ€ÐA Films. Advanced Materials Interfaces, 2017, 4, 1601002.	3.7	101
74	Highly efficient SERS test strips. Chemical Communications, 2012, 48, 5913.	4.1	100
75	Exciton diffusion and charge transfer dynamics in nano phase-separated P3HT/PCBM blend films. Nanoscale, 2011, 3, 2280.	5.6	99
76	Humidity-responsive actuation of programmable hydrogel microstructures based on 3D printing. Sensors and Actuators B: Chemical, 2018, 259, 736-744.	7.8	99
77	Localized flexible integration of high-efficiency surface enhanced Raman scattering (SERS) monitors into microfluidic channels. Lab on A Chip, 2011, 11, 3347.	6.0	98
78	Cyanoâ€Substituted Oligo(pâ€phenylene vinylene) Single Crystals: A Promising Laser Material. Advanced Functional Materials, 2011, 21, 3770-3777.	14.9	98
79	Perovskite quantum dots for light-emitting devices. Nanoscale, 2019, 11, 19119-19139.	5.6	97
80	Solving Efficiencyâ€“Stability Tradeoff in Topâ€Emitting Organic Lightâ€Emitting Devices by Employing Periodically Corrugated Metallic Cathode. Advanced Materials, 2012, 24, 1187-1191.	21.0	96
81	Femtosecondâ€Laser Direct Writing of Metallic Micro/Nanostructures: From Fabrication Strategies to Future Applications. Small Methods, 2018, 2, 1700413.	8.6	95
82	SERSâ€Enabled Labâ€onâ€aâ€Chip Systems. Advanced Optical Materials, 2015, 3, 618-633.	7.3	94
83	Femtosecond laser ionization and fragmentation of molecules for environmental sensing. Laser and Photonics Reviews, 2015, 9, 275-293.	8.7	94
84	Ultrafast optical spectroscopy of surface-modified silicon quantum dots: unraveling the underlying mechanism of the ultrabright and color-tunable photoluminescence. Light: Science and Applications, 2015, 4, e245-e245.	16.6	93
85	Airflow Enhanced Solar Evaporation Based on Janus Graphene Membranes with Stable Interfacial Floatability. ACS Applied Materials & Interfaces, 2020, 12, 25435-25443.	8.0	93
86	Two-Photon Pumped Amplified Spontaneous Emission from Cyano-Substituted Oligo(p-phenylenevinylene) Crystals with Aggregation-Induced Emission Enhancement. Journal of Physical Chemistry C, 2010, 114, 11958-11961.	3.1	92
87	Dual-3D Femtosecond Laser Nanofabrication Enables Dynamic Actuation. ACS Nano, 2019, 13, 4041-4048.	14.6	90
88	Determination of Formation and Ionization Energies of Charged Defects in Two-Dimensional Materials. Physical Review Letters, 2015, 114, 196801.	7.8	89
89	Laser-structured Janus wire mesh for efficient oilâ€“water separation. Nanoscale, 2017, 9, 17933-17938.	5.6	89
90	Experimental investigation of single voxels for laser nanofabrication via two-photon photopolymerization. Applied Physics Letters, 2003, 83, 819-821.	3.3	87

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91	Submicron diamond-lattice photonic crystals produced by two-photon laser nanofabrication. Applied Physics Letters, 2003, 83, 2091-2093.	3.3	87
92	High performance magnetically controllable microturbines. Lab on A Chip, 2010, 10, 2902.	6.0	87
93	Generation and Recombination of Defects in Vitreous Silica Induced by Irradiation with a Near-Infrared Femtosecond Laser. Journal of Physical Chemistry B, 2000, 104, 3450-3455.	2.6	86
94	S-Tapered Fiber Sensors for Highly Sensitive Measurement of Refractive Index and Axial Strain. Journal of Lightwave Technology, 2012, 30, 3126-3132.	4.6	86
95	Shape precompensation in two-photon laser nanowriting of photonic lattices. Applied Physics Letters, 2004, 85, 3708-3710.	3.3	85
96	Doped Organic Crystals with High Efficiency, Color-Tunable Emission toward Laser Application. Crystal Growth and Design, 2009, 9, 4945-4950.	3.0	85
97	Broadband Light Extraction from White Organic Lightâ€Emitting Devices by Employing Corrugated Metallic Electrodes with Dual Periodicity. Advanced Materials, 2013, 25, 6969-6974.	21.0	85
98	Whisperingâ€gallery mode lasing from patterned molecular singleâ€crystalline microcavity array. Laser and Photonics Reviews, 2013, 7, 281-288.	8.7	85
99	The Role of Trap-assisted Recombination in Luminescent Properties of Organometal Halide CH3NH3PbBr3 Perovskite Films and Quantum Dots. Scientific Reports, 2016, 6, 27286.	3.3	85
100	Biomimetic graphene films and their properties. Nanoscale, 2012, 4, 4858.	5.6	84
101	Two-photon polymerization of metal ions doped acrylate monomers and oligomers for three-dimensional structure fabrication. Thin Solid Films, 2004, 453-454, 518-521.	1.8	82
102	Remote manipulation of micronanomachines containing magnetic nanoparticles. Optics Letters, 2009, 34, 581.	3.3	82
103	Embellishment of microfluidic devices via femtosecond laser micronanofabrication for chip functionalization. Lab on A Chip, 2010, 10, 1993.	6.0	81
104	Distributed Feedback Lasers Based on Thiophene/Phenylene Coâ€Oligomer Single Crystals. Advanced Functional Materials, 2012, 22, 33-38.	14.9	81
105	Luminescence and defect formation by visible and near-infrared irradiation of vitreous silica. Physical Review B, 1999, 60, 9959-9964.	3.2	79
106	Two-photon readout of three-dimensional memory in silica. Applied Physics Letters, 2000, 77, 13-15.	3.3	79
107	Surface Plasmon Enhanced Fluorescence of Dye Molecules on Metal Grating Films. Journal of Physical Chemistry C, 2011, 115, 12636-12642.	3.1	79
108	Stretchable Organometalâ€Halideâ€Perovskite Quantumâ€Dot Lightâ€Emitting Diodes. Advanced Materials, 2019, 31, e1807516.	21.0	79

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109	Quantumâ€Confinedâ€Superfluidicsâ€Enabled Moisture Actuation Based on Unilaterally Structured Graphene Oxide Papers. Advanced Materials, 2019, 31, e1901585.	21.0	78
110	Laserâ€Induced Graphene Tapes as Origami and Stickâ€On Labels for Photothermal Manipulation via Marangoni Effect. Advanced Functional Materials, 2021, 31, .	14.9	78
111	Biomimetic Graphene Surfaces with Superhydrophobicity and Iridescence. Chemistry - an Asian Journal, 2012, 7, 301-304.	3.3	77
112	Ultrathin and ultrasmooth Au films as transparent electrodes in ITO-free organic light-emitting devices. Nanoscale, 2016, 8, 10010-10015.	5.6	77
113	Mechanically robust stretchable organic optoelectronic devices built using a simple and universal stencil-pattern transferring technology. Light: Science and Applications, 2018, 7, 35.	16.6	77
114	Biomimetic sapphire windows enabled by inside-out femtosecond laser deep-scribing. PhotoniX, 2022, 3, .	13.5	75
115	Outcoupling of trapped optical modes in organic light-emitting devices with one-step fabricated periodic corrugation by laser ablation. Organic Electronics, 2011, 12, 1927-1935.	2.6	74
116	Direct Observation of Quantumâ€Confined Grapheneâ€Like States and Novel Hybrid States in Graphene Oxide by Transient Spectroscopy. Advanced Materials, 2013, 25, 6539-6545.	21.0	74
117	Ultrasensitive temperature sensor based on an isopropanol-sealed optical microfiber taper. Optics Letters, 2013, 38, 1209.	3.3	74
118	One-Step Preparation of Regular Micropearl Arrays for Two-Direction Controllable Anisotropic Wetting. Langmuir, 2010, 26, 12012-12016.	3.5	73
119	Dryâ€etchingâ€assisted femtosecond laser machining. Laser and Photonics Reviews, 2017, 11, 1600115.	8.7	73
120	A facile approach for artificial biomimetic surfaces with both superhydrophobicity and iridescence. Soft Matter, 2010, 6, 263-267.	2.7	72
121	First-principles calculations of a robust two-dimensional boron honeycomb sandwiching a triangular molybdenum layer. Physical Review B, 2014, 90, .	3.2	70
122	Bioinspired Soft Robots Based on the Moistureâ€Responsive Graphene Oxide. Advanced Science, 2021, 8, 2002464.	11.2	70
123	Highly Efficient Three Primary Color Organic Singleâ€Crystal Lightâ€Emitting Devices with Balanced Carrier Injection and Transport. Advanced Functional Materials, 2017, 27, 1604659.	14.9	69
124	Transmission and photoluminescence images of three-dimensional memory in vitreous silica. Applied Physics Letters, 1999, 74, 3957-3959.	3.3	68
125	Photofabrication of wood-pile three-dimensional photonic crystals using four-beam laser interference. Applied Physics Letters, 2003, 83, 608-610.	3.3	66
126	Smart Compound Eyes Enable Tunable Imaging. Advanced Functional Materials, 2019, 29, 1903340.	14.9	66

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127	Novel Zn-doped SnO₂hierarchical architectures: synthesis, characterization, and gas sensing properties. CrystEngComm, 2012, 14, 1701-1708.	2.6	65
128	Optical Nanofabrication of Concave Microlens Arrays. Laser and Photonics Reviews, 2019, 13, 1800272.	8.7	65
129	Laserâ€Mediated Programmable N Doping and Simultaneous Reduction of Graphene Oxides. Advanced Optical Materials, 2014, 2, 120-125.	7.3	64
130	Engineering two-dimensional electronics by semiconductor defects. Nano Today, 2017, 16, 30-45.	11.9	64
131	Microfabrication and Characteristics of Two-Dimensional Photonic Crystal Structures in Vitreous Silica. Optical Review, 1999, 6, 396-398.	2.0	63
132	High efficiency multilevel phase-type fractal zone plates. Optics Letters, 2008, 33, 2913.	3.3	63
133	Miniature End-Capped Fiber Sensor for Refractive Index and Temperature Measurement. IEEE Photonics Technology Letters, 2014, 26, 7-10.	2.5	62
134	Solvent-tunable PDMS microlens fabricated by femtosecond laser direct writing. Journal of Materials Chemistry C, 2015, 3, 1751-1756.	5.5	62
135	Boron based two-dimensional crystals: theoretical design, realization proposal and applications. Nanoscale, 2015, 7, 18863-18871.	5.6	61
136	Whispering-gallery-mode microdisk lasers produced by femtosecond laser direct writing. Optics Letters, 2011, 36, 2871.	3.3	60
137	Two-Dimensional Stretchable Organic Light-Emitting Devices with High Efficiency. ACS Applied Materials & Interfaces, 2016, 8, 31166-31171.	8.0	60
138	Rapid Engraving of Artificial Compound Eyes from Curved Sapphire Substrate. Advanced Functional Materials, 2019, 29, 1900037.	14.9	60
139	Etching-assisted femtosecond laser modification of hard materials. Opto-Electronic Advances, 2019, 2, 19002101-19002114.	13.3	60
140	Photothermal Surface Plasmon Resonance and Interband Transitionâ€Enhanced Nanocomposite Hydrogel Actuators with Handâ€Like Dynamic Manipulation. Advanced Optical Materials, 2017, 5, 1700442.	7.3	59
141	A â€œYinâ€•â€œYangâ€•complementarity strategy for design and fabrication of dual-responsive bimorph actuators. Nano Energy, 2020, 68, 104302.	16.0	59
142	Opto-Thermophoretic Manipulation. ACS Nano, 2021, 15, 5925-5943.	14.6	59
143	Influence of buffer layer and growth temperature on the properties of an undoped GaN layer grown on sapphire substrate by metalorganic chemical vapor deposition. Applied Physics Letters, 2000, 76, 2220-2222.	3.3	58
144	100% Fill-Factor Aspheric Microlens Arrays (AMLA) With Sub-20-nm Precision. IEEE Photonics Technology Letters, 2009, 21, 1535-1537.	2.5	58

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145	Direct laser scribing of AgNPs@RGO biochip as a reusable SERS sensor for DNA detection. Sensors and Actuators B: Chemical, 2018, 270, 500-507.	7.8	58
146	Non-Abelian braiding on photonic chips. Nature Photonics, 2022, 16, 390-395.	31.4	58
147	Flexible and efficient ITO-free semitransparent perovskite solar cells. Solar Energy Materials and Solar Cells, 2016, 157, 660-665.	6.2	57
148	Onâ€chip laser processing for the development of multifunctional microfluidic chips. Laser and Photonics Reviews, 2017, 11, 1600116.	8.7	57
149	Photoluminescence quenching of inorganic cesium lead halides perovskite quantum dots (CsPbX₃) by electron/hole acceptor. Physical Chemistry Chemical Physics, 2017, 19, 1920-1926.	2.8	57
150	Fabrication of an anti-reflective microstructure on sapphire by femtosecond laser direct writing. Optics Letters, 2017, 42, 543.	3.3	57
151	Sensing combustion intermediates by femtosecond filament excitation. Optics Letters, 2013, 38, 1250.	3.3	56
152	Two-photon photopolymerization as a tool for making micro-devices. Applied Surface Science, 2003, 208-209, 153-158.	6.1	54
153	Enhanced efficiency of organic light-emitting devices with metallic electrodes by integrating periodically corrugated structure. Applied Physics Letters, 2012, 100, .	3.3	54
154	Magnetic/upconversion luminescent mesoparticles of Fe3O4@LaF3:Yb3+, Er3+ for dual-modal bioimaging. Chemical Communications, 2012, 48, 11238.	4.1	54
155	Light manipulation in organic lightâ€emitting devices by integrating micro/nano patterns. Laser and Photonics Reviews, 2017, 11, 1600145.	8.7	54
156	Flexible and transparent supercapacitor based on ultrathin Au/graphene composite electrodes. Applied Surface Science, 2019, 467-468, 104-111.	6.1	54
157	Two-photon excited highly polarized and directional upconversion emission from slab organic crystals. Optics Letters, 2010, 35, 441.	3.3	53
158	A SERSâ€active microfluidic device with tunable surface plasmon resonances. Electrophoresis, 2011, 32, 3378-3384.	2.4	53
159	Surface-plasmon enhanced absorption in organic solar cells by employing a periodically corrugated metallic electrode. Applied Physics Letters, 2012, 101, .	3.3	53
160	Competition between subwavelength and deep-subwavelength structures ablated by ultrashort laser pulses. Optica, 2017, 4, 637.	9.3	53
161	Clarification of the Molecular Doping Mechanism in Organic Singleâ€Crystalline Semiconductors and their Application in Colorâ€Tunable Lightâ€Emitting Devices. Advanced Materials, 2018, 30, e1801078.	21.0	53
162	Aggregation induced enhanced emission of conjugated dendrimers with a large intrinsic two-photon absorption cross-section. Polymer Chemistry, 2014, 5, 479-488.	3.9	52

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163	Plasmon-enhanced organic and perovskite solar cells with metal nanoparticles. Nanophotonics, 2020, 9, 3111-3133.	6.0	52
164	Phase lenses and mirrors created by laser micronanofabrication via two-photon photopolymerization. Applied Physics Letters, 2007, 91, 171105.	3.3	51
165	Insight into the effect of functional groups on visible-fluorescence emissions of graphene quantum dots. Journal of Materials Chemistry C, 2016, 4, 2235-2242.	5.5	51
166	Maskless laser tailoring of conical pillar arrays for antireflective biomimetic surfaces. Optics Letters, 2011, 36, 3305.	3.3	50
167	Reflective Optical Fiber Sensors Based on Tilted Fiber Bragg Gratings Fabricated With Femtosecond Laser. Journal of Lightwave Technology, 2013, 31, 455-460.	4.6	50
168	Versatile Electronic Skins with Biomimetic Micronanostructures Fabricated Using Natural Reed Leaves as Templates. ACS Applied Materials & Interfaces, 2019, 11, 38084-38091.	8.0	50
169	Programmable deformation of patterned bimorph actuator swarm. National Science Review, 2020, 7, 775-785.	9.5	50
170	A simple strategy to realize biomimetic surfaces with controlled anisotropic wetting. Applied Physics Letters, 2010, 96, .	3.3	49
171	Surface-Plasmon-Mediated Programmable Optical Nanofabrication of an Oriented Silver Nanoplate. ACS Nano, 2014, 8, 6682-6692.	14.6	49
172	Methods for the characterization of deformable membrane mirrors. Applied Optics, 2005, 44, 5131.	2.1	48
173	Hybridâ€State Dynamics of Gold Nanorods/Dye Jâ€Aggregates under Strong Coupling. Angewandte Chemie - International Edition, 2011, 50, 7824-7828.	13.8	48
174	Onâ€Chip Catalytic Microreactors for Modern Catalysis Research. ChemCatChem, 2013, 5, 2091-2099.	3.7	48
175	Modulation Doping: A Strategy for 2D Materials Electronics. Nano Letters, 2021, 21, 6298-6303.	9.1	48
176	Improved efficiency of indium-tin-oxide-free flexible organic light-emitting devices. Organic Electronics, 2014, 15, 478-483.	2.6	47
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