Xian-Bin Li

List of Publications by Year
in descending order

355	19,442	10979	16164
papers	citations	71 h-index	124 g-index

362	362	362	19484
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laser-induced color centers in crystals. Optics and Laser Technology, 2022, 146, 107527.	2.2	14
2	High-resolution in situ patterning of perovskite quantum dots via femtosecond laser direct writing. Nanoscale, 2022, 14, 1174-1178.	2.8	11
3	Doping in the two-dimensional limit: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mo>/</mml:mo><mml:mi>n</mml:m -type defects in monolayer ZnO. Physical Review B, 2022, 105, .	3.7	5
4	Atomic-scale observation of strain-induced local amorphization in face-centered cubic metals. Scripta Materialia, 2022, 212, 114553.	2.6	3
5	Parallel-Integrated Sapphire Fiber Bragg Gratings Probe Sensor for High Temperature Sensing. IEEE Sensors Journal, 2022, 22, 5703-5708.	2.4	9
6	Stretchable Organic Lightâ€Emitting Devices with Invisible Orderly Wrinkles by using a Transferâ€Free Technique. Advanced Materials Technologies, 2022, 7, .	3.0	5
7	Non-Abelian braiding on photonic chips. Nature Photonics, 2022, 16, 390-395.	15.6	58
8	Freeâ€Form Microâ€Optics Out of Crystals: Femtosecond Laser 3D Sculpturing. Advanced Functional Materials, 2022, 32, .	7.8	19
9	Exceptional point protected robust onâ€chip optical logic gates. Exploration, 2022, 2, .	5.4	4
10	Direct Observation of Roomâ€Temperature Intravalley Coherent Coupling Processes in Monolayer MoS₂. Laser and Photonics Reviews, 2022, 16, .	4.4	11
11	Broadâ€Bandwidth Microâ€Diffractive Optical Elements. Laser and Photonics Reviews, 2022, 16, .	4.4	10
12	Curved Photodetectors Based on Perovskite Microwire Arrays via In Situ Conformal Nanoimprinting. Advanced Functional Materials, 2022, 32, .	7.8	18
13	Multicoating Nanoarchitectonics for Facile Preparation of Multi-Responsive Paper Actuators. ACS Applied Materials & Interfaces, 2022, 14, 27242-27250.	4.0	6
14	Spin-Valley Depolarization in van der Waals Heterostructures. Journal of Physical Chemistry Letters, 2022, 13, 5501-5507.	2.1	4
15	Twoâ€dimensional In₂Se₃: A rising advanced material for ferroelectric data storage. InformaÄnÃ-MateriÃ¡ly, 2022, 4, .	8.5	43
16	Polarization Independent Quantum Devices With Ultra-Low Birefringence Glass Waveguides. Journal of Lightwave Technology, 2021, 39, 1451-1457.	2.7	10
17	Nucleation Dynamics of Phaseâ€Change Memory Materials: Atomic Motion and Property Evolution. Physica Status Solidi - Rapid Research Letters, 2021, 15, 2000441.	1.2	5
18	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.	1.1	5

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19	Observation of robust charge transfer under strain engineering in two-dimensional MoS₂-WSe₂ heterostructures. Nanoscale, 2021, 13, 14081-14088.	2.8	11
20	Many-particle induced band renormalization processes in few- and mono-layer MoS₂. Nanotechnology, 2021, 32, 135208.	1.3	10
21	Light-Driven Magnetic Encoding for Hybrid Magnetic Micromachines. Nano Letters, 2021, 21, 1628-1635.	4.5	17
22	Enhanced Efficiency and Mechanical Robustness of Flexible Perovskite Solar Cells by Using HPbI₃ Additive. Solar Rrl, 2021, 5, 2000821.	3.1	29
23	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe2. Nature Communications, 2021, 12, 1978.	5.8	45
24	Highâ€Throughput Screening for Phaseâ€Change Memory Materials. Advanced Functional Materials, 2021, 31, 2009803.	7.8	43
25	Two-Photon Polymerization Nanomanufacturing Based on the Definitionâ€“Reinforcementâ€“Solidification (DRS) Strategy. Journal of Lightwave Technology, 2021, 39, 2091-2098.	2.7	8
26	Phaseâ€Changeâ€Memory Process at the Limit: A Proposal for Utilizing Monolayer Sb₂Te₃. Advanced Science, 2021, 8, 2004185.	5.6	25
27	Directional Droplet Transport on Functional Surfaces with Superwettabilities. Advanced Materials Interfaces, 2021, 8, 2100043.	1.9	41
28	Electronic structure evolution and exciton energy shifting dynamics in WSe₂: from monolayer to bulk. Journal Physics D: Applied Physics, 2021, 54, 354002.	1.3	4
29	Linked Weyl surfaces and Weyl arcs in photonic metamaterials. Science, 2021, 373, 572-576.	6.0	36
30	Modulation Doping: A Strategy for 2D Materials Electronics. Nano Letters, 2021, 21, 6298-6303.	4.5	48
31	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.	1.6	2
32	Orbital-selective electronic excitation in phase-change memory materials: a brief review. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, .	0.3	0
33	Electro-responsive actuators based on graphene. Innovation(China), 2021, 2, 100168.	5.2	26
34	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, .	5.5	13
35	Metallic Graphene Nanoribbons. Nano-Micro Letters, 2021, 13, 53.	14.4	6
36	Sub-Bandgap Photo-Response of Chromium Hyperdoped Black Silicon Photodetector Fabricated by Femtosecond Laser Pulses. IEEE Sensors Journal, 2021, 21, 25695-25702.	2.4	14

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37	General Rules Governing the Dynamical Encircling of an Arbitrary Number of Exceptional Points. Physical Review Letters, 2021, 127, 253901.	2.9	27
38	Nanoscale amorphous interfaces in phase-change memory materials: structure, properties and design. Journal Physics D: Applied Physics, 2020, 53, 114002.	1.3	4
39	Cross-wavelength invisibility integrated with various invisibility tactics. Science Advances, 2020, 6, .	4.7	29
40	Axially controllable multiple orbital angular momentum beam generator. Applied Physics Letters, 2020, 117, .	1.5	8
41	Bioinspired Superhydrophobic Surfaces via Laser-Structuring. Frontiers in Chemistry, 2020, 8, 835.	1.8	26
42	Layer-Dependent Electron Transfer and Recombination Processes in MoS₂/WSe₂ Multilayer Heterostructures. Journal of Physical Chemistry Letters, 2020, 11, 9649-9655.	2.1	15
43	Wellâ€Balanced Ambipolar Organic Single Crystals toward Highly Efficient Lightâ€Emitting Devices. Advanced Functional Materials, 2020, 30, 2002422.	7.8	22
44	Femtosecond laser programmed artificial musculoskeletal systems. Nature Communications, 2020, 11, 4536.	5.8	117
45	Optical subpicosecond nonvolatile switching and electron-phonon coupling in ferroelectric materials. Physical Review B, 2020, 102, .	1.1	9
46	Shapeâ€Designable and Sizeâ€Tunable Organicâ€“Inorganic Hybrid Perovskite Microâ€Ring Resonator Arrays. Advanced Materials Technologies, 2020, 5, 2000051.	3.0	7
47	Perovskite Singleâ€Crystal Microwireâ€Array Photodetectors with Performance Stability beyond 1 Year. Advanced Materials, 2020, 32, e2001998.	11.1	130
48	Laser Fabrication of Bioinspired Graphene Surfaces With Superwettability. Frontiers in Chemistry, 2020, 8, 525.	1.8	10
49	Transient Depolarization Spectroscopic Study on Electronic Structure and Fluorescence Origin of Graphene Oxide. Journal of Physical Chemistry Letters, 2020, 11, 1483-1489.	2.1	5
50	O-FIB: far-field-induced near-field breakdown for direct nanowriting in an atmospheric environment. Light: Science and Applications, 2020, 9, 41.	7.7	113
51	Time-dependent density-functional theory molecular-dynamics study on amorphization of Sc-Sb-Te alloy under optical excitation. Npj Computational Materials, 2020, 6, .	3.5	32
52	Stretchable Textiles with Superwettabilities for Tunable Oilâ€Water Separation. ChemNanoMat, 2020, 6, 1111-1118.	1.5	6
53	Laser fabrication of graphene-based supercapacitors. Photonics Research, 2020, 8, 577.	3.4	35
54	Plasmon-enhanced organic and perovskite solar cells with metal nanoparticles. Nanophotonics, 2020, 9, 3111-3133.	2.9	52

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55	Highly transparent and conductive metal oxide/metal/polymer composite electrodes for high-efficiency flexible organic light-emitting devices. Nanophotonics, 2020, 9, 3567-3573.	2.9	8
56	Evaluation of Charged Defect Energy in Twoâ€Dimensional Semiconductors for Nanoelectronics: The WLZ Extrapolation Method. Annalen Der Physik, 2020, 532, 1900318.	0.9	4
57	Unconventional phase transition of phase-change-memory materials for optical data storage*. Chinese Physics B, 2019, 28, 104202.	0.7	7
58	Actuators: Quantum-Confined-Superfluidics-Enabled Moisture Actuation Based on Unilaterally Structured Graphene Oxide Papers (Adv. Mater. 32/2019). Advanced Materials, 2019, 31, 1970231.	11.1	6
59	Light-Responsive Actuators Based on Graphene. Frontiers in Chemistry, 2019, 7, 506.	1.8	21
60	Smart Compound Eyes Enable Tunable Imaging. Advanced Functional Materials, 2019, 29, 1903340.	7.8	66
61	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.	1.7	20
62	Organic Singleâ€Crystalline Semiconductors for Lightâ€Emitting Applications: Recent Advances and Developments. Laser and Photonics Reviews, 2019, 13, 1900009.	4.4	41
63	Femtosecond Laser Inscribed Sapphire Fiber Bragg Grating for High Temperature and Strain Sensing. IEEE Nanotechnology Magazine, 2019, 18, 208-211.	1.1	43
64	Ultrafast Spectroscopic Study of Insulatorâ€“Semiconductorâ€“Semimetal Transitions in Graphene Oxide and Its Reduced Derivatives. Journal of Physical Chemistry C, 2019, 123, 22550-22555.	1.5	15
65	Gradient Assembly of Polymer Nanospheres and Graphene Oxide Sheets for Dual-Responsive Soft Actuators. ACS Applied Materials & Interfaces, 2019, 11, 37130-37138.	4.0	32
66	Template-confined growth of Ruddlesdenâ€“Popper perovskite micro-wire arrays for stable polarized photodetectors. Nanoscale, 2019, 11, 18272-18281.	2.8	36
67	Perovskite quantum dots for light-emitting devices. Nanoscale, 2019, 11, 19119-19139.	2.8	97
68	Excitation to defect-bound band edge states in two-dimensional semiconductors and its effect on carrier transport. Npj Computational Materials, 2019, 5, .	3.5	20
69	Stretchable Organometalâ€Halideâ€Perovskite Quantumâ€Dot Lightâ€Emitting Diodes. Advanced Materials, 2019, 31, e1807516.	11.1	79
70	Dual-3D Femtosecond Laser Nanofabrication Enables Dynamic Actuation. ACS Nano, 2019, 13, 4041-4048.	7.3	90
71	Quantum Dot LEDs: Stretchable Organometalâ€Halideâ€Perovskite Quantumâ€Dot Lightâ€Emitting Diodes (Adv.) Tj ETQq1 1 0.784	11.1	3
72	Flat Boron: A New Cousin of Graphene. Advanced Materials, 2019, 31, e1900392.	11.1	82

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73	Distinct outcomes by dynamically encircling an exceptional point along homotopic loops. Physical Review A, 2019, 99, .	1.0	12
74	Graphene as a Transparent and Conductive Electrode for Organic Optoelectronic Devices. Advanced Electronic Materials, 2019, 5, 1900247.	2.6	40
75	Quantumâ€Confinedâ€Superfluidicsâ€Enabled Moisture Actuation Based on Unilaterally Structured Graphene Oxide Papers. Advanced Materials, 2019, 31, e1901585.	11.1	78
76	Onâ€Chip Polarization Rotators. Advanced Optical Materials, 2019, 7, 1900129.	3.6	18
77	Rapid Engraving of Artificial Compound Eyes from Curved Sapphire Substrate. Advanced Functional Materials, 2019, 29, 1900037.	7.8	60
78	Optical Nanofabrication of Concave Microlens Arrays. Laser and Photonics Reviews, 2019, 13, 1800272.	4.4	65
79	Stability enhancement of the metastable cubic Sb2Te3 in supperlattice-like films. Materials Letters, 2019, 243, 153-156.	1.3	4
80	Nacre-inspired moisture-responsive graphene actuators with robustness and self-healing properties. Nanoscale, 2019, 11, 20614-20619.	2.8	26
81	Surface nanostructuring via femtosecond lasers. Physical Chemistry Chemical Physics, 2019, 21, 24262-24268.	1.3	12
82	Kraft Mesh Origami for Efficient Oilâ€“Water Separation. Langmuir, 2019, 35, 815-823.	1.6	13
83	Ultrathin Metal Films as the Transparent Electrode in ITOâ€Free Organic Optoelectronic Devices. Advanced Optical Materials, 2019, 7, 1800778.	3.6	133
84	Experimental Observation of Toroidal Dipole Modes in Allâ€Dielectric Metasurfaces. Advanced Optical Materials, 2019, 7, 1801166.	3.6	71
85	Laser-Structured Graphene/Reduced Graphene Oxide Films towards Bio-Inspired Superhydrophobic Surfaces. Bulletin of the Chemical Society of Japan, 2019, 92, 283-289.	2.0	36
86	Recent Developments in Flexible Organic Lightâ€Emitting Devices. Advanced Materials Technologies, 2019, 4, 1800371.	3.0	104
87	Highâ€Colorâ€Rendering and Highâ€Efficiency White Organic Lightâ€Emitting Devices Based on Doubleâ€Doped Organic Single Crystals. Advanced Functional Materials, 2019, 29, 1807606.	7.8	42
88	Aplanatic Zone Plate Embedded in Sapphire. IEEE Photonics Technology Letters, 2018, 30, 509-512.	1.3	3
89	Stretchable PEG-DA Hydrogel-Based Whispering-Gallery-Mode Microlaser with Humidity Responsiveness. Journal of Lightwave Technology, 2018, 36, 819-824.	2.7	17
90	Pneumatic smart surfaces with rapidly switchable dominant and latent superhydrophobicity. NPG Asia Materials, 2018, 10, e470-e470.	3.8	37

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91	Hybridâ€State Dynamics of Dye Molecules and Surface Plasmon Polaritons under Ultrastrong Coupling Regime. Laser and Photonics Reviews, 2018, 12, 1700176.	4.4	25
92	Investigating the dynamics of excitons in monolayer WSe₂ before and after organic super acid treatment. Nanoscale, 2018, 10, 9346-9352.	2.8	12
93	Correlated High-Pressure Phase Sequence of VO₂ under Strong Compression. Journal of Physical Chemistry Letters, 2018, 9, 2388-2393.	2.1	20
94	Wearable Superhydrophobic Elastomer Skin with Switchable Wettability. Advanced Functional Materials, 2018, 28, 1800625.	7.8	115
95	Microscaleâ€Patterned Graphene Electrodes for Organic Lightâ€Emitting Devices by a Simple Patterning Strategy. Advanced Optical Materials, 2018, 6, 1701348.	3.6	20
96	High-Order-Tilted Fiber Bragg Gratings With Superposed Refractive Index Modulation. IEEE Photonics Journal, 2018, 10, 1-8.	1.0	3
97	Femtosecond Laser Inscribed Small-Period Long-Period Fiber Gratings With Dual-Parameter Sensing. IEEE Sensors Journal, 2018, 18, 1100-1103.	2.4	38
98	Electric field analyses on monolayer semiconductors: the example of InSe. Physical Chemistry Chemical Physics, 2018, 20, 6945-6950.	1.3	46
99	Metalâ€“Insulator Transition of Geâ€“Sbâ€“Te Superlattice: An Electron Counting Model Study. IEEE Nanotechnology Magazine, 2018, 17, 140-146.	1.1	31
100	Directional Forces by Momentumless Excitation and Order-to-Order Transition in Peierls-Distorted Solids: The Case of GeTe. Physical Review Letters, 2018, 120, 185701.	2.9	38
101	Intense Femtosecond Laser-Mediated Electrical Discharge Enables Preparation of Amorphous Nickel Phosphide Nanoparticles. Langmuir, 2018, 34, 5712-5718.	1.6	6
102	Black Silicon IR Photodiode Supersaturated With Nitrogen by Femtosecond Laser Irradiation. IEEE Sensors Journal, 2018, 18, 3595-3601.	2.4	25
103	Strong electron-polarized atom chain in amorphous phase-change memory Ge Sb Te alloy. Acta Materialia, 2018, 143, 102-106.	3.8	24
104	Microâ€“Nanoâ€Texturing Inner Surfaces of Smallâ€Caliber High Aspect Ratio and Superhydrophobic Artificial Vessels using Femtosecond Laser Filamenting Pulses. Advanced Materials Interfaces, 2018, 5, 1801148.	1.9	7
105	Electrical properties and structural transition of Ge2Sb2Te5 adjusted by rare-earth element Gd for nonvolatile phase-change memory. Journal of Applied Physics, 2018, 124, .	1.1	15
106	NIR Photodetector Based on Nanosecond Laser-Modified Silicon. IEEE Transactions on Electron Devices, 2018, 65, 4905-4909.	1.6	16
107	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.	7.8	119
108	Biomimetic Graphene Actuators Enabled by Multiresponse Graphene Oxide Paper with Pretailored Reduction Gradient. Advanced Materials Technologies, 2018, 3, 1800258.	3.0	40

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109	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.	11.1	53
110	Erratum to â€œMetalâ€“Insulator Transition of Geâ€“Sbâ€“Te Superlattice: An Electron Counting Model Studyâ€•[Jan 18 140-146]. IEEE Nanotechnology Magazine, 2018, 17, 614-614.	1.1	0
111	Mechanically robust stretchable organic optoelectronic devices built using a simple and universal stencil-pattern transferring technology. Light: Science and Applications, 2018, 7, 35.	7.7	77
112	Sub-bandgap photo-response of non-doped black-silicon fabricated by nanosecond laser irradiation. Optics Letters, 2018, 43, 1710.	1.7	15
113	Liquid-Assisted Femtosecond Laser Precision-Machining of Silica. Nanomaterials, 2018, 8, 287.	1.9	38
114	Laser interference fabrication of large-area functional periodic structure surface. Frontiers of Mechanical Engineering, 2018, 13, 493-503.	2.5	20
115	Dynamics of Strongly Coupled Hybrid States by Transient Absorption Spectroscopy. Advanced Functional Materials, 2018, 28, 1801761.	7.8	17
116	Non-phase-separated 2D Bâ€“Câ€“N alloys via molecule-like carbon doping in 2D BN: atomic structures and optoelectronic properties. Physical Chemistry Chemical Physics, 2018, 20, 23106-23111.	1.3	6
117	Enhanced Performance of Perovskite Light-Emitting Devices With Improved Perovskite Crystallization. IEEE Photonics Journal, 2017, 9, 1-8.	1.0	2
118	Angleâ€multiplexed optical printing of biomimetic hierarchical 3D textures. Laser and Photonics Reviews, 2017, 11, 1600187.	4.4	41
119	Slow cooling and efficient extraction of C-exciton hot carriers in MoS2 monolayer. Nature Communications, 2017, 8, 13906.	5.8	132
120	Micro-buried spiral zone plate in a lithium niobate crystal. Applied Physics Letters, 2017, 110, 041102.	1.5	8
121	Onâ€chip laser processing for the development of multifunctional microfluidic chips. Laser and Photonics Reviews, 2017, 11, 1600116.	4.4	57
122	Light manipulation in organic lightâ€emitting devices by integrating micro/nano patterns. Laser and Photonics Reviews, 2017, 11, 1600145.	4.4	54
123	Dispersion peculiarities of hybrid modes in a circular waveguide filled by a composite gyroelectromagnetic medium. Journal of Electromagnetic Waves and Applications, 2017, 31, 350-362.	1.0	5
124	Highly Efficient Three Primary Color Organic Singleâ€Crystal Lightâ€Emitting Devices with Balanced Carrier Injection and Transport. Advanced Functional Materials, 2017, 27, 1604659.	7.8	69
125	Sensitively Humidityâ€Driven Actuator Based on Photopolymerizable PEGâ€DA Films. Advanced Materials Interfaces, 2017, 4, 1601002.	1.9	101
126	Sulfur-Doped Silicon Photodiode by Ion Implantation and Femtosecond Laser Annealing. IEEE Sensors Journal, 2017, 17, 2367-2371.	2.4	8

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127	Gold-Hyperdoped Black Silicon With High IR Absorption by Femtosecond Laser Irradiation. IEEE Nanotechnology Magazine, 2017, 16, 502-506.	1.1	28
128	Flexible perovskite solar cells with ultrathin Au anode and vapour-deposited perovskite film. Solar Energy Materials and Solar Cells, 2017, 169, 8-12.	3.0	41
129	Sunlightâ€Reduced Graphene Oxides as Sensitive Moisture Sensors for Smart Device Design. Advanced Materials Technologies, 2017, 2, 1700045.	3.0	45
130	Femtosecond Laser Writing: Femtosecond Laser Direct Writing of Plasmonic Ag/Pd Alloy Nanostructures Enables Flexible Integration of Robust SERS Substrates (Adv. Mater. Technol. 6/2017). Advanced Materials Technologies, 2017, 2, .	3.0	1
131	Mask-free construction of three-dimensional silicon structures by dry etching assisted gray-scale femtosecond laser direct writing. Applied Physics Letters, 2017, 110, .	1.5	22
132	Coexistence of bulk and surface polaritons in a magnetic-semiconductor superlattice influenced by a transverse magnetic field. Journal of Applied Physics, 2017, 121, 103102.	1.1	18
133	Dryâ€etchingâ€assisted femtosecond laser machining. Laser and Photonics Reviews, 2017, 11, 1600115.	4.4	73
134	Femtosecond Laser Direct Writing of Plasmonic Ag/Pd Alloy Nanostructures Enables Flexible Integration of Robust SERS Substrates. Advanced Materials Technologies, 2017, 2, 1600270.	3.0	33
135	Multimode Coherent Hybrid States: Ultrafast Investigation of Double Rabi Splitting between Surface Plasmons and Sulforhodamine 101 Dyes. Advanced Optical Materials, 2017, 5, 1600857.	3.6	12
136	Size-dependent one-photon- and two-photon-pumped amplified spontaneous emission from organometal halide CH₃NH₃PbBr₃ perovskite cubic microcrystals. Physical Chemistry Chemical Physics, 2017, 19, 2217-2224.	1.3	31
137	Engineering two-dimensional electronics by semiconductor defects. Nano Today, 2017, 16, 30-45.	6.2	64
138	Photothermal Surface Plasmon Resonance and Interband Transitionâ€Enhanced Nanocomposite Hydrogel Actuators with Handâ€Like Dynamic Manipulation. Advanced Optical Materials, 2017, 5, 1700442.	3.6	59
139	Charged defects in two-dimensional semiconductors of arbitrary thickness and geometry: Formulation and application to few-layer black phosphorus. Physical Review B, 2017, 96, .	1.1	28
140	Laser-structured Janus wire mesh for efficient oilâ€“water separation. Nanoscale, 2017, 9, 17933-17938.	2.8	89
141	Electronic excitation induced hydrogen-bond adjustment and lattice control in organicâ€“inorganic hybrid cubic perovskites: a fixed occupation molecular dynamics study. Physical Chemistry Chemical Physics, 2017, 19, 26164-26168.	1.3	2
142	Direct Laser Writing of Superhydrophobic PDMS Elastomers for Controllable Manipulation via Marangoni Effect. Advanced Functional Materials, 2017, 27, 1702946.	7.8	109
143	Flexible Efficient Top-Emitting Organic Light-Emitting Devices on a Silk Substrate. IEEE Photonics Journal, 2017, 9, 1-6.	1.0	12
144	Native defects and substitutional impurities in two-dimensional monolayer InSe. Nanoscale, 2017, 9, 11619-11624.	2.8	32

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145	Giant lattice expansion by quantum stress and universal atomic forces in semiconductors under instant ultrafast laser excitation. Physical Chemistry Chemical Physics, 2017, 19, 24735-24741.	1.3	7
146	Nanostructures induced light harvesting enhancement in organic photovoltaics. Nanophotonics, 2017, 7, 371-391.	2.9	32
147	Surface plasmon-enhanced amplified spontaneous emission from organic single crystals by integrating graphene/copper nanoparticle hybrid nanostructures. Nanoscale, 2017, 9, 19353-19359.	2.8	15
148	Control of single-mode operation in a circular waveguide filled by a longitudinally magnetized gyroelectromagnetic medium. Journal of Electromagnetic Waves and Applications, 2017, 31, 1265-1276.	1.0	1
149	Element-specific amorphization of vacancy-ordered GeSbTe for ternary-state phase change memory. Acta Materialia, 2017, 136, 242-248.	3.8	30
150	Study on optical and electrical properties of gold-doped silicon fabricated by femtosecond laser. Optical and Quantum Electronics, 2017, 49, 1.	1.5	0
151	Photoluminescence quenching of inorganic cesium lead halides perovskite quantum dots (CsPbX₃) by electron/hole acceptor. Physical Chemistry Chemical Physics, 2017, 19, 1920-1926.	1.3	57
152	Plasmonic nano-printing: large-area nanoscale energy deposition for efficient surface texturing. Light: Science and Applications, 2017, 6, e17112-e17112.	7.7	177
153	Surface and Interface Engineering of Graphene Oxide Films by Controllable Photoreduction. Chemical Record, 2016, 16, 1244-1255.	2.9	29
154	Dynamics of Strong Coupling between Jâ€Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays. Advanced Functional Materials, 2016, 26, 6198-6205.	7.8	40
155	Bioinspired fewâ€layer graphene prepared by chemical vapor deposition on femtosecond laserâ€structured Cu foil. Laser and Photonics Reviews, 2016, 10, 441-450.	4.4	46
156	The Infrared Photodiode of Textured Silicon Irradiated Under Mixed Gas by Femtosecond Laser. IEEE Sensors Journal, 2016, , 1-1.	2.4	5
157	Enhanced efficiency of organic light-emitting devices with corrugated nanostructures based on soft nano-imprinting lithography. Applied Physics Letters, 2016, 109, .	1.5	22
158	Possible n/p-type conductivity of two-dimensional graphene oxide by boron and nitrogen doping: Evaluated via constrained excitation. Applied Physics Letters, 2016, 109, 203113.	1.5	5
159	Measurement of Two-Photon Absorption Cross Section of Metal Ions by a Mass Sedimentation Approach. Scientific Reports, 2016, 5, 17712.	1.6	9
160	Exploring long-wave infrared transmitting materials with AxBy form: First-principles gene-like studies. Scientific Reports, 2016, 6, 21912.	1.6	3
161	Silicon-Based Suspended Structure Fabricated by Femtosecond Laser Direct Writing and Wet Etching. IEEE Photonics Technology Letters, 2016, 28, 1605-1608.	1.3	14
162	Strong Coupling: Dynamics of Strong Coupling between J-Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays (Adv. Funct. Mater. 34/2016). Advanced Functional Materials, 2016, 26, 6197-6197.	7.8	1

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163	Preparation of a Fe₃O₄â€“Auâ€“GO nanocomposite for simultaneous treatment of oil/water separation and dye decomposition. Nanoscale, 2016, 8, 17451-17457.	2.8	17
164	Hybrid Refractiveâ€“Diffractive Optical Vortex Microlens. IEEE Photonics Technology Letters, 2016, 28, 2299-2302.	1.3	16
165	Flexible and efficient ITO-free semitransparent perovskite solar cells. Solar Energy Materials and Solar Cells, 2016, 157, 660-665.	3.0	57
166	Integrated optofluidic-microfluidic twin channels: toward diverse application of lab-on-a-chip systems. Scientific Reports, 2016, 6, 19801.	1.6	23
167	As-grown graphene/copper nanoparticles hybrid nanostructures for enhanced intensity and stability of surface plasmon resonance. Scientific Reports, 2016, 6, 37190.	1.6	28
168	Lightâ€Mediated Manufacture and Manipulation of Actuators. Advanced Materials, 2016, 28, 8328-8343.	11.1	186
169	Fabrication of Black Silicon With Thermostable Infrared Absorption by Femtosecond Laser. IEEE Photonics Journal, 2016, 8, 1-9.	1.0	19
170	Study of textured ZnS irradiated by femtosecond laser pulses. Optical and Quantum Electronics, 2016, 48, 1.	1.5	1
171	Sapphire-Based Dammann Gratings for UV Beam Splitting. IEEE Photonics Journal, 2016, 8, 1-8.	1.0	8
172	Efficient and mechanically robust stretchable organic light-emitting devices by a laser-programmable buckling process. Nature Communications, 2016, 7, 11573.	5.8	182
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351	Elastic force analysis of functional polymer submicron oscillators. Applied Physics Letters, 2001, 79, 3173-3175.	1.5	122
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355	Micro/nanofabrication of two and three dimensional structures by two-photon polymerization. , 0, , .		1