Xian-Bin Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

341 papers	14,739 citations	62 h-index	109 g-index
362 ext. papers	17,122 ext. citations	7.2 avg, IF	6.73 L-index

#	Paper	IF	Citations
341	Finer features for functional microdevices. *Nature*, **2001**, 412, 697-8	50.4	2170
340	Direct imprinting of microcircuits on graphene oxides film by femtosecond laser reduction. *Nano Today*, **2010**, 5, 15-20	17.9	393
339	Designable 3D nanofabrication by femtosecond laser direct writing. *Nano Today*, **2010**, 5, 435-448	17.9	377
338	Recent developments in superhydrophobic surfaces with unique structural and functional properties. *Soft Matter*, **2012**, 8, 11217	3.6	295
337	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	10.4	251
336	Curvature-driven reversible in situ switching between pinned and roll-down superhydrophobic States for water droplet transportation. *Advanced Materials*, **2011**, 23, 545-9	24	236
335	Three-Level Biomimetic Rice-Leaf Surfaces with Controllable Anisotropic Sliding. *Advanced Functional Materials*, **2011**, 21, 2927-2932	15.6	208
334	Two-Photon Photopolymerization and 3D Lithographic Microfabrication. *Advances in Polymer Science*, **2006**, 169-273	1.3	202
333	Photoreduction of Graphene Oxides: Methods, Properties, and Applications. *Advanced Optical Materials*, **2014**, 2, 10-28	8.1	191
332	Ferrofluids for fabrication of remotely controllable micro-nanomachines by two-photon polymerization. *Advanced Materials*, **2010**, 22, 3204-7	24	178
331	Bioinspired Graphene Actuators Prepared by Unilateral UV Irradiation of Graphene Oxide Papers. *Advanced Functional Materials*, **2015**, 25, 4548-4557	15.6	177
330	Moisture-responsive graphene paper prepared by self-controlled photoreduction. *Advanced Materials*, **2015**, 27, 332-8	24	176
329	Rapid sub-diffraction-limit laser micro/nanoprocessing in a threshold material system. *Applied Physics Letters*, **2002**, 80, 312-314	3.4	171
328	Multifunctional superparamagnetic iron oxide nanoparticles: design, synthesis and biomedical photonic applications. *Nanoscale*, **2013**, 5, 7664-84	7.7	164
327	Monolayer II-VI semiconductors: A first-principles prediction. *Physical Review B*, **2015**, 92,	3.3	160
326	One order of magnitude faster phase change at reduced power in Ti-Sb-Te. *Nature Communications*, **2014**, 5, 4086	17.4	158
325	Light-Mediated Manufacture and Manipulation of Actuators. *Advanced Materials*, **2016**, 28, 8328-8343	24	146

324	Three-dimensional focal spots related to two-photon excitation. *Applied Physics Letters*, **2002**, 80, 3673-3675	3.4	145
323	Bioinspired Underwater Superoleophobic Membrane Based on a Graphene Oxide Coated Wire Mesh for Efficient Oil/Water Separation. *ACS Applied Materials & Interfaces*, **2015**, 7, 20930-6	9.5	143
322	Efficient and mechanically robust stretchable organic light-emitting devices by a laser-programmable buckling process. *Nature Communications*, **2016**, 7, 11573	17.4	134
321	Functional organic single crystals for solid-state laser applications. *Laser and Photonics Reviews*, **2014**, 8, 687-715	8.3	132
320	Plasmonic nano-printing: large-area nanoscale energy deposition for efficient surface texturing. *Light: Science and Applications*, **2017**, 6, e17112	16.7	122
319	Unraveling Bright Molecule-Like State and Dark Intrinsic State in Green-Fluorescence Graphene Quantum Dots via Ultrafast Spectroscopy. *Advanced Optical Materials*, **2013**, 1, 264-271	8.1	122
318	High numerical aperture microlens arrays of close packing. *Applied Physics Letters*, **2010**, 97, 031109	3.4	121
317	Recent developments in superhydrophobic graphene and graphene-related materials: from preparation to potential applications. *Nanoscale*, **2015**, 7, 7101-14	7.7	117
316	Elastic force analysis of functional polymer submicron oscillators. *Applied Physics Letters*, **2001**, 79, 3173-3175	3.4	106
315	Protein-based soft micro-optics fabricated by femtosecond laser direct writing. *Light: Science and Applications*, **2014**, 3, e129-e129	16.7	105
314	Bioinspired Fabrication of Superhydrophobic Graphene Films by Two-Beam Laser Interference. *Advanced Functional Materials*, **2014**, 24, 4595-4602	15.6	100
313	Magnetic-mesoporous Janus nanoparticles. *Chemical Communications*, **2011**, 47, 1225-7	5.8	99
312	Deep electron traps and origin of p-type conductivity in the earth-abundant solar-cell material Cu2ZnSnS4. *Physical Review B*, **2013**, 87,	3.3	97
311	Slow cooling and efficient extraction of C-exciton hot carriers in MoS monolayer. *Nature Communications*, **2017**, 8, 13906	17.4	95
310	Aqueous multiphoton lithography with multifunctional silk-centred bio-resists. *Nature Communications*, **2015**, 6, 8612	17.4	94
309	Two-photon laser precision microfabrication and its applications to micro-nano devices and systems. *Journal of Lightwave Technology*, **2003**, 21, 624-633	4	93
308	Understanding phase-change behaviors of carbon-doped Ge2Sb2Te5 for phase-change memory application. *ACS Applied Materials & Interfaces*, **2014**, 6, 14207-14	9.5	92
307	Bandgap Tailoring and Synchronous Microdevices Patterning of Graphene Oxides. *Journal of Physical Chemistry C*, **2012**, 116, 3594-3599	3.8	90

306	Two-dimensional transition metal honeycomb realized: Hf on Ir(111). *Nano Letters*, **2013**, 13, 4671-4	11.5	89
305	Silver-Coated Rose Petal: Green, Facile, Low-Cost and Sustainable Fabrication of a SERS Substrate with Unique Superhydrophobicity and High Efficiency. *Advanced Optical Materials*, **2013**, 1, 56-60	8.1	89
304	Optical Tamm states enhanced broad-band absorption of organic solar cells. *Applied Physics Letters*, **2012**, 101, 243901	3.4	88
303	Role of electronic excitation in the amorphization of Ge-Sb-Te alloys. *Physical Review Letters*, **2011**, 107, 015501	7.4	86
302	Phase-Change Superlattice Materials toward Low Power Consumption and High Density Data Storage: Microscopic Picture, Working Principles, and Optimization. *Advanced Functional Materials*, **2018**, 28, 1803380	15.6	85
301	Wearable Superhydrophobic Elastomer Skin with Switchable Wettability. *Advanced Functional Materials*, **2018**, 28, 1800625	15.6	82
300	Solving efficiency-stability tradeoff in top-emitting organic light-emitting devices by employing periodically corrugated metallic cathode. *Advanced Materials*, **2012**, 24, 1187-91	24	82
299	Two-photon photopolymerization and diagnosis of three-dimensional microstructures containing fluorescent dyes. *Applied Physics Letters*, **2001**, 79, 1411-1413	3.4	82
298	Biomimetic graphene films and their properties. *Nanoscale*, **2012**, 4, 4858-69	7.7	81
297	Direct Laser Writing of Superhydrophobic PDMS Elastomers for Controllable Manipulation via Marangoni Effect. *Advanced Functional Materials*, **2017**, 27, 1702946	15.6	78
296	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	16.7	76
295	High performance magnetically controllable microturbines. *Lab on A Chip*, **2010**, 10, 2902-5	7.2	76
294	Whispering-gallery mode lasing from patterned molecular single-crystalline microcavity array. *Laser and Photonics Reviews*, **2013**, 7, 281-288	8.3	75
293	Recent Developments in Flexible Organic Light-Emitting Devices. *Advanced Materials Technologies*, **2019**, 4, 1800371	6.8	75
292	The Role of Trap-assisted Recombination in Luminescent Properties of Organometal Halide CH3NH3PbBr3 Perovskite Films and Quantum Dots. *Scientific Reports*, **2016**, 6, 27286	4.9	74
291	Remote manipulation of micronanomachines containing magnetic nanoparticles. *Optics Letters*, **2009**, 34, 581-3	3	74
290	Ultrathin Metal Films as the Transparent Electrode in ITO-Free Organic Optoelectronic Devices. *Advanced Optical Materials*, **2019**, 7, 1800778	8.1	74
289	SERS-Enabled Lab-on-a-Chip Systems. *Advanced Optical Materials*, **2015**, 3, 618-633	8.1	72

288	Sensitively Humidity-Driven Actuator Based on Photopolymerizable PEG-DA Films. *Advanced Materials Interfaces*, **2017**, 4, 1601002	4.6	70
287	Perovskite Single-Crystal Microwire-Array Photodetectors with Performance Stability beyond 1 Year. *Advanced Materials*, **2020**, 32, e2001998	24	70
286	Distributed Feedback Lasers Based on Thiophene/Phenylene Co-Oligomer Single Crystals. *Advanced Functional Materials*, **2012**, 22, 33-38	15.6	70
285	A facile approach for artificial biomimetic surfaces with both superhydrophobicity and iridescence. *Soft Matter*, **2010**, 6, 263-267	3.6	69
284	S-Tapered Fiber Sensors for Highly Sensitive Measurement of Refractive Index and Axial Strain. *Journal of Lightwave Technology*, **2012**, 30, 3126-3132	4	66
283	New structural picture of the Ge2Sb2Te5 phase-change alloy. *Physical Review Letters*, **2011**, 106, 025501	7.4	64
282	Determination of formation and ionization energies of charged defects in two-dimensional materials. *Physical Review Letters*, **2015**, 114, 196801	7.4	63
281	Laser-structured Janus wire mesh for efficient oil-water separation. *Nanoscale*, **2017**, 9, 17933-17938	7.7	62
280	Direct observation of quantum-confined graphene-like states and novel hybrid states in graphene oxide by transient spectroscopy. *Advanced Materials*, **2013**, 25, 6539-45	24	62
279	O-FIB: far-field-induced near-field breakdown for direct nanowriting in an atmospheric environment. *Light: Science and Applications*, **2020**, 9, 41	16.7	61
278	First-principles calculations of a robust two-dimensional boron honeycomb sandwiching a triangular molybdenum layer. *Physical Review B*, **2014**, 90,	3.3	59
277	Novel Zn-doped SnO2 hierarchical architectures: synthesis, characterization, and gas sensing properties. *CrystEngComm*, **2012**, 14, 1701-1708	3.3	59
276	Highly Efficient Three Primary Color Organic Single-Crystal Light-Emitting Devices with Balanced Carrier Injection and Transport. *Advanced Functional Materials*, **2017**, 27, 1604659	15.6	57
275	Dual-3D Femtosecond Laser Nanofabrication Enables Dynamic Actuation. *ACS Nano*, **2019**, 13, 4041-4048	16.7	56
274	Femtosecond laser ionization and fragmentation of molecules for environmental sensing. *Laser and Photonics Reviews*, **2015**, 9, 275-293	8.3	55
273	Mechanically robust stretchable organic optoelectronic devices built using a simple and universal stencil-pattern transferring technology. *Light: Science and Applications*, **2018**, 7, 35	16.7	55
272	Flat Boron: A New Cousin of Graphene. *Advanced Materials*, **2019**, 31, e1900392	24	54
271	Laser-Mediated Programmable N Doping and Simultaneous Reduction of Graphene Oxides. *Advanced Optical Materials*, **2014**, 2, 120-125	8.1	54

270	Perovskite quantum dots for light-emitting devices. *Nanoscale*, **2019**, 11, 19119-19139	7.7	53
269	Experimental Observation of Toroidal Dipole Modes in All-Dielectric Metasurfaces. *Advanced Optical Materials*, **2019**, 7, 1801166	8.1	53
268	Femtosecond laser programmed artificial musculoskeletal systems. *Nature Communications*, **2020**, 11, 4536	17.4	50
267	Miniature End-Capped Fiber Sensor for Refractive Index and Temperature Measurement. *IEEE Photonics Technology Letters*, **2014**, 26, 7-10	2.2	49
266	Engineering two-dimensional electronics by semiconductor defects. *Nano Today*, **2017**, 16, 30-45	17.9	48
265	Solvent-tunable PDMS microlens fabricated by femtosecond laser direct writing. *Journal of Materials Chemistry C*, **2015**, 3, 1751-1756	7.1	48
264	Surface-plasmon enhanced absorption in organic solar cells by employing a periodically corrugated metallic electrode. *Applied Physics Letters*, **2012**, 101, 163303	3.4	48
263	Magnetic/upconversion luminescent mesoparticles of Fe3O4@LaF3:Yb3+, Er3+ for dual-modal bioimaging. *Chemical Communications*, **2012**, 48, 11238-40	5.8	48
262	100% Fill-Factor Aspheric Microlens Arrays (AMLA) With Sub-20-nm Precision. *IEEE Photonics Technology Letters*, **2009**, 21, 1535-1537	2.2	48
261	On-chip laser processing for the development of multifunctional microfluidic chips. *Laser and Photonics Reviews*, **2017**, 11, 1600116	8.3	47
260	Dry-etching-assisted femtosecond laser machining. *Laser and Photonics Reviews*, **2017**, 11, 1600115	8.3	47
259	Boron based two-dimensional crystals: theoretical design, realization proposal and applications. *Nanoscale*, **2015**, 7, 18863-71	7.7	47
258	Two-Dimensional Stretchable Organic Light-Emitting Devices with High Efficiency. *ACS Applied Materials & Interfaces*, **2016**, 8, 31166-31171	9.5	46
257	Enhanced efficiency of organic light-emitting devices with metallic electrodes by integrating periodically corrugated structure. *Applied Physics Letters*, **2012**, 100, 053304	3.4	45
256	Flexible and efficient ITO-free semitransparent perovskite solar cells. *Solar Energy Materials and Solar Cells*, **2016**, 157, 660-665	6.4	45
255	Photoluminescence quenching of inorganic cesium lead halides perovskite quantum dots (CsPbX) by electron/hole acceptor. *Physical Chemistry Chemical Physics*, **2017**, 19, 1920-1926	3.6	44
254	A simple strategy to realize biomimetic surfaces with controlled anisotropic wetting. *Applied Physics Letters*, **2010**, 96, 053704	3.4	44
253	Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes. *Advanced Materials*, **2019**, 31, e1807516	24	43

252	Quantum-Confined-Superfluidics-Enabled Moisture Actuation Based on Unilaterally Structured Graphene Oxide Papers. *Advanced Materials*, **2019**, 31, e1901585	24	43
251	Light manipulation in organic light-emitting devices by integrating micro/nano patterns. *Laser and Photonics Reviews*, **2017**, 11, 1600145	8.3	42
250	Photothermal Surface Plasmon Resonance and Interband Transition-Enhanced Nanocomposite Hydrogel Actuators with Hand-Like Dynamic Manipulation. *Advanced Optical Materials*, **2017**, 5, 1700442	8.1	42
249	Hybrid Tamm plasmon-polariton/microcavity modes for white top-emitting organic light-emitting devices. *Optica*, **2015**, 2, 579	8.6	40
248	On-Chip Catalytic Microreactors for Modern Catalysis Research. *ChemCatChem*, **2013**, 5, 2091-2099	5.2	40
247	Grating amplitude effect on electroluminescence enhancement of corrugated organic light-emitting devices. *Optics Letters*, **2011**, 36, 3915-7	3	40
246	Crystalline liquid and rubber-like behavior in Cu nanowires. *Nano Letters*, **2013**, 13, 3812-6	11.5	39
245	Magnetic colloidosomes fabricated by Fe3O4–SiO2 hetero-nanorods. *Soft Matter*, **2011**, 7, 7375	3.6	39
244	Two-photon induced amplified spontaneous emission from needlelike triphenylamine-containing derivative crystals with low threshold. *Applied Physics Letters*, **2009**, 94, 201113	3.4	39
243	Reflective Optical Fiber Sensors Based on Tilted Fiber Bragg Gratings Fabricated With Femtosecond Laser. *Journal of Lightwave Technology*, **2013**, 31, 455-460	4	38
242	Arbitrary Shape Designable Microscale Organic Light-Emitting Devices by Using Femtosecond Laser Reduced Graphene Oxide as a Patterned Electrode. *ACS Photonics*, **2014**, 1, 690-695	6.3	36
241	Bioinspired few-layer graphene prepared by chemical vapor deposition on femtosecond laser-structured Cu foil. *Laser and Photonics Reviews*, **2016**, 10, 441-450	8.3	36
240	Angle-multiplexed optical printing of biomimetic hierarchical 3D textures. *Laser and Photonics Reviews*, **2017**, 11, 1600187	8.3	35
239	Smart Compound Eyes Enable Tunable Imaging. *Advanced Functional Materials*, **2019**, 29, 1903340	15.6	35
238	High-performance magnetic antimicrobial Janus nanorods decorated with Ag nanoparticles. *Journal of Materials Chemistry*, **2012**, 22, 23741		35
237	Study of Electron–Phonon Coupling Dynamics in Au Nanorods by Transient Depolarization Measurements. *Journal of Physical Chemistry C*, **2010**, 114, 2913-2917	3.8	35
236	Laser-Structured Graphene/Reduced Graphene Oxide Films towards Bio-Inspired Superhydrophobic Surfaces. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 283-289	5.1	35
235	Rapid Engraving of Artificial Compound Eyes from Curved Sapphire Substrate. *Advanced Functional Materials*, **2019**, 29, 1900037	15.6	34

234	Optical Nanofabrication of Concave Microlens Arrays. *Laser and Photonics Reviews*, **2019**, 13, 1800272	8.3	34
233	Origin of high thermal stability of amorphous Ge1Cu2Te3 alloy: A significant Cu-bonding reconfiguration modulated by Te lone-pair electrons for crystallization. *Acta Materialia*, **2015**, 90, 88-93	8.4	34
232	Compact Long-Period Fiber Gratings With Resonance at Second-Order Diffraction. *IEEE Photonics Technology Letters*, **2012**, 24, 1393-1395	2.2	34
231	Hydrogen in ZnO revisited: Bond center versus antibonding site. *Physical Review B*, **2008**, 78,	3.3	34
230	Clarification of the Molecular Doping Mechanism in Organic Single-Crystalline Semiconductors and their Application in Color-Tunable Light-Emitting Devices. *Advanced Materials*, **2018**, 30, e1801078	24	34
229	Sunlight-Reduced Graphene Oxides as Sensitive Moisture Sensors for Smart Device Design. *Advanced Materials Technologies*, **2017**, 2, 1700045	6.8	33
228	Electron Extraction Dynamics in CdSe and CdSe/CdS/ZnS Quantum Dots Adsorbed with Methyl Viologen. *Journal of Physical Chemistry C*, **2014**, 118, 17240-17246	3.8	33
227	Matching Photocurrents of Sub-cells in Double-Junction Organic Solar Cells via Coupling Between Surface Plasmon Polaritons and Microcavity Modes. *Advanced Optical Materials*, **2013**, 1, 809-813	8.1	33
226	Superhydrophobic SERS Substrates Based on Silver-Coated Reduced Graphene Oxide Gratings Prepared by Two-Beam Laser Interference. *ACS Applied Materials & Interfaces*, **2015**, 7, 27059-65	9.5	33
225	Unraveling Charge Separation and Transport Mechanisms in Aqueous-Processed Polymer/CdTe Nanocrystal Hybrid Solar Cells. *Advanced Energy Materials*, **2014**, 4, 1301882	21.8	32
224	Hybrid-State Dynamics of Gold Nanorods/Dye J-Aggregates under Strong Coupling. *Angewandte Chemie*, **2011**, 123, 7970-7974	3.6	32
223	Flexible perovskite solar cells with ultrathin Au anode and vapour-deposited perovskite film. *Solar Energy Materials and Solar Cells*, **2017**, 169, 8-12	6.4	31
222	Vacancy Structures and Melting Behavior in Rock-Salt GeSbTe. *Scientific Reports*, **2016**, 6, 25453	4.9	31
221	Mechanical stretch for tunable wetting from topological PDMS film. *Soft Matter*, **2013**, 9, 4236	3.6	31
220	Monitoring Thermal Effect in Femtosecond Laser Interaction With Glass by Fiber Bragg Grating. *Journal of Lightwave Technology*, **2011**, 29, 2126-2130	4	31
219	Impurity doping in SiO2: Formation energies and defect levels from first-principles calculations. *Physical Review B*, **2010**, 82,	3.3	31
218	Self-organization of polymer nanoneedles into large-area ordered flowerlike arrays. *Applied Physics Letters*, **2009**, 95, 091902	3.4	31
217	High-Color-Rendering and High-Efficiency White Organic Light-Emitting Devices Based on Double-Doped Organic Single Crystals. *Advanced Functional Materials*, **2019**, 29, 1807606	15.6	31

216	Surface plasmon-polariton mediated red emission from organic light-emitting devices based on metallic electrodes integrated with dual-periodic corrugation. *Scientific Reports*, **2014**, 4, 7108	4.9	30
215	Anti-reflection resonance in distributed Bragg reflectors-based ultrathin highly absorbing dielectric and its application in solar cells. *Applied Physics Letters*, **2013**, 102, 103901	3.4	30
214	Protein-Based Three-Dimensional Whispering-Gallery-Mode Micro-Lasers with Stimulus-Responsiveness. *Scientific Reports*, **2015**, 5, 12852	4.9	30
213	A light-driven turbine-like micro-rotor and study on its light-to-mechanical power conversion efficiency. *Applied Physics Letters*, **2012**, 101, 113901	3.4	30
212	Band-Gap-Controllable Photonic Crystals Consisting of Magnetic Nanocrystal Clusters in a Solidified Polymer Matrix. *Journal of Physical Chemistry C*, **2009**, 113, 18542-18545	3.8	30
211	Giant elasticity of photopolymer nanowires. *Applied Physics Letters*, **2007**, 91, 063112	3.4	30
210	Dynamics of Strong Coupling between J-Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays. *Advanced Functional Materials*, **2016**, 26, 6198-6205	15.6	30
209	A novel two-dimensional MgB6 crystal: metal-layer stabilized boron kagome lattice. *Physical Chemistry Chemical Physics*, **2015**, 17, 1093-8	3.6	29
208	Intrinsic Polarization and Tunable Color of Electroluminescence from Organic Single Crystal-based Light-Emitting Devices. *Scientific Reports*, **2015**, 5, 12445	4.9	29
207	Role of electronic excitation in phase-change memory materials: A brief review. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 1861-1866	1.3	29
206	Electric field analyses on monolayer semiconductors: the example of InSe. *Physical Chemistry Chemical Physics*, **2018**, 20, 6945-6950	3.6	28
205	Optical force on toroidal nanostructures: Toroidal dipole versus renormalized electric dipole. *Physical Review A*, **2015**, 92,	2.6	28
204	Size-dependent one-photon- and two-photon-pumped amplified spontaneous emission from organometal halide CHNHPbBr perovskite cubic microcrystals. *Physical Chemistry Chemical Physics*, **2017**, 19, 2217-2224	3.6	27
203	Photonic-Molecule Single-Mode Laser. *IEEE Photonics Technology Letters*, **2015**, 27, 1157-1160	2.2	27
202	PDMS-Coated S-Tapered Fiber for Highly Sensitive Measurements of Transverse Load and Temperature. *IEEE Sensors Journal*, **2015**, 15, 3429-3435	4	26
201	Metal□nsulator Transition of Ge□Sb□Te Superlattice: An Electron Counting Model Study. *IEEE Nanotechnology Magazine*, **2018**, 17, 140-146	2.6	26
200	A Highly Sensitive Temperature Sensor Based on a Liquid-Sealed S-Tapered Fiber. *IEEE Photonics Technology Letters*, **2013**, 25, 829-832	2.2	26
199	Biomimetic Graphene Actuators Enabled by Multiresponse Graphene Oxide Paper with Pretailored Reduction Gradient. *Advanced Materials Technologies*, **2018**, 3, 1800258	6.8	26

198	Liquid-Assisted Femtosecond Laser Precision-Machining of Silica. *Nanomaterials*, **2018**, 8,	5.4	24
197	Theoretical characterization of reduction dynamics for graphene oxide by alkaline-earth metals. *Carbon*, **2013**, 52, 122-127	10.4	24
196	Native defects and substitutional impurities in two-dimensional monolayer InSe. *Nanoscale*, **2017**, 9, 11619-11624	7.7	24
195	Customization of Protein Single Nanowires for Optical Biosensing. *Small*, **2015**, 11, 2869-76	11	23
194	Femtosecond Laser Inscribed Small-Period Long-Period Fiber Gratings With Dual-Parameter Sensing. *IEEE Sensors Journal*, **2018**, 18, 1100-1103	4	23
193	Dynamics of Strong Coupling between CdSe Quantum Dots and Surface Plasmon Polaritons in Subwavelength Hole Array. *Journal of Physical Chemistry Letters*, **2016**, 7, 4648-4654	6.4	23
192	Universal Electron Injection Dynamics at Nanointerfaces in Dye-Sensitized Solar Cells. *Advanced Functional Materials*, **2012**, 22, 2783-2791	15.6	23
191	Surface-enhanced Raman scattering substrates of high-density and high-homogeneity hot spots by magneto-metal nanoprobe assembling. *Optics Letters*, **2010**, 35, 3297-9	3	23
190	Laser fabrication of graphene-based supercapacitors. *Photonics Research*, **2020**, 8, 577	6	23
189	Femtosecond Laser Direct Writing of Plasmonic Ag/Pd Alloy Nanostructures Enables Flexible Integration of Robust SERS Substrates. *Advanced Materials Technologies*, **2017**, 2, 1600270	6.8	22
188	Femtosecond Laser Inscribed Sapphire Fiber Bragg Grating for High Temperature and Strain Sensing. *IEEE Nanotechnology Magazine*, **2019**, 18, 208-211	2.6	22
187	Pneumatic smart surfaces with rapidly switchable dominant and latent superhydrophobicity. *NPG Asia Materials*, **2018**, 10, e470-e470	10.3	22
186	Organic Single-Crystalline Semiconductors for Light-Emitting Applications: Recent Advances and Developments. *Laser and Photonics Reviews*, **2019**, 13, 1900009	8.3	22
185	Rapid production of large-area deep sub-wavelength hybrid structures by femtosecond laser light-field tailoring. *Applied Physics Letters*, **2014**, 104, 031904	3.4	22
184	Programmable assembly of CdTe quantum dots into microstructures by femtosecond laser direct writing. *Journal of Materials Chemistry C*, **2013**, 1, 4699	7.1	22
183	Nanostructures induced light harvesting enhancement in organic photovoltaics. *Nanophotonics*, **2017**, 7, 371-391	6.3	22
182	Flexible lasers based on the microstructured single-crystalline ultrathin films. *Journal of Materials Chemistry*, **2012**, 22, 24139		22
181	Spectral engineering by flexible tunings of optical Tamm states and Fabry-Perot cavity resonance. *Optics Letters*, **2013**, 38, 4382-5	3	22

180	Direct laser writing defects in holographic lithography-created photonic lattices. *Optics Letters*, **2005**, 30, 881-3	3	22
179	Template-confined growth of Ruddlesden-Popper perovskite micro-wire arrays for stable polarized photodetectors. *Nanoscale*, **2019**, 11, 18272-18281	7.7	21
178	Hybrid-State Dynamics of Dye Molecules and Surface Plasmon Polaritons under Ultrastrong Coupling Regime. *Laser and Photonics Reviews*, **2018**, 12, 1700176	8.3	21
177	Directional Forces by Momentumless Excitation and Order-to-Order Transition in Peierls-Distorted Solids: The Case of GeTe. *Physical Review Letters*, **2018**, 120, 185701	7.4	21
176	Sapphire-Based Fresnel Zone Plate Fabricated by Femtosecond Laser Direct Writing and Wet Etching. *IEEE Photonics Technology Letters*, **2016**, 28, 1290-1293	2.2	21
175	Role of the nano amorphous interface in the crystallization of Sb2Te3 towards non-volatile phase change memory: insights from first principles. *Physical Chemistry Chemical Physics*, **2014**, 16, 10810-5	3.6	21
174	Dynamic laser prototyping for biomimetic nanofabrication. *Laser and Photonics Reviews*, **2014**, 8, 882-888	8.3	21
173	Light trapping schemes in organic solar cells: A comparison between optical Tamm states and Fabry-Pérot cavity modes. *Organic Electronics*, **2013**, 14, 1577-1585	3.5	21
172	Infrared Absorption of Femtosecond Laser Textured Silicon Under Vacuum. *IEEE Photonics Technology Letters*, **2015**, 27, 1481-1484	2.2	21
171	Photonic quasicrystals exhibit zero-transmission regions due to translational arrangement of constituent parts. *Physical Review B*, **2009**, 79,	3.3	21
170	Surface and Interface Engineering of Graphene Oxide Films by Controllable Photoreduction. *Chemical Record*, **2016**, 16, 1244-55	6.6	21
169	Charged defects in two-dimensional semiconductors of arbitrary thickness and geometry: Formulation and application to few-layer black phosphorus. *Physical Review B*, **2017**, 96,	3.3	20
168	Highly Stable On-Chip Embedded Organic Whispering Gallery Mode Lasers. *Journal of Lightwave Technology*, **2014**, 32, 2415-2419	4	20
167	Polarization dependent two-photon properties in an organic crystal. *Applied Physics Letters*, **2010**, 97, 101101	3.4	20
166	Amplified spontaneous emission in the cyano-substituted oligo(p-phenylenevinylene) organic crystals: Effect of excitation wavelength. *Applied Physics Letters*, **2010**, 96, 103508	3.4	20
165	Unidirectional Lasing From a Spiral-Shaped Microcavity of Dye-Doped Polymers. *IEEE Photonics Technology Letters*, **2015**, 27, 311-314	2.2	19
164	As-grown graphene/copper nanoparticles hybrid nanostructures for enhanced intensity and stability of surface plasmon resonance. *Scientific Reports*, **2016**, 6, 37190	4.9	19
163	Fabrication and Characterization of Organic Single Crystal-Based Light-Emitting Devices with Improved Contact Between the Metallic Electrodes and Crystal. *Advanced Functional Materials*, **2014**, 24, n/a-n/a	15.6	19

162	Surface plasmon enhanced absorption dynamics of regioregular poly(3-hexylthiophene). *Applied Physics Letters*, **2011**, 98, 251501	3.4	19
161	Plasmon-enhanced organic and perovskite solar cells with metal nanoparticles. *Nanophotonics*, **2020**, 9, 3111-3133	6.3	19
160	Graphene as a Transparent and Conductive Electrode for Organic Optoelectronic Devices. *Advanced Electronic Materials*, **2019**, 5, 1900247	6.4	18
159	Aluminum-centered tetrahedron-octahedron transition in advancing Al-Sb-Te phase change properties. *Scientific Reports*, **2015**, 5, 8548	4.9	18
158	Compact Mach□ehnder Interferometer Based on Tapered Hollow Optical Fiber. *IEEE Photonics Technology Letters*, **2015**, 27, 1277-1280	2.2	18
157	Highly flexible inverted organic solar cells with improved performance by using an ultrasmooth Ag cathode. *Applied Physics Letters*, **2012**, 101, 133303	3.4	18
156	Element-specific amorphization of vacancy-ordered GeSbTe for ternary-state phase change memory. *Acta Materialia*, **2017**, 136, 242-248	8.4	17
155	Gold-Hyperdoped Black Silicon With High IR Absorption by Femtosecond Laser Irradiation. *IEEE Nanotechnology Magazine*, **2017**, 16, 502-506	2.6	16
154	Black Silicon IR Photodiode Supersaturated With Nitrogen by Femtosecond Laser Irradiation. *IEEE Sensors Journal*, **2018**, 18, 3595-3601	4	16
153	Integrated optofluidic-microfluidic twin channels: toward diverse application of lab-on-a-chip systems. *Scientific Reports*, **2016**, 6, 19801	4.9	16
152	Rapid Fabrication of Large-Area Periodic Structures by Multiple Exposure of Two-Beam Interference. *Journal of Lightwave Technology*, **2013**, 31, 276-281	4	16
151	Cross-wavelength invisibility integrated with various invisibility tactics. *Science Advances*, **2020**, 6,	14.3	16
150	Enhanced efficiency of organic light-emitting devices with corrugated nanostructures based on soft nano-imprinting lithography. *Applied Physics Letters*, **2016**, 109, 193301	3.4	16
149	Mask-free construction of three-dimensional silicon structures by dry etching assisted gray-scale femtosecond laser direct writing. *Applied Physics Letters*, **2017**, 110, 091602	3.4	15
148	Gradient Assembly of Polymer Nanospheres and Graphene Oxide Sheets for Dual-Responsive Soft Actuators. *ACS Applied Materials & Interfaces*, **2019**, 11, 37130-37138	9.5	15
147	Growth and property characterizations of photonic crystal structures consisting of colloidal microparticles. *Journal of the Optical Society of America B: Optical Physics*, **2000**, 17, 476	1.7	15
146	High-Throughput Screening for Phase-Change Memory Materials. *Advanced Functional Materials*, **2021**, 31, 2009803	15.6	15
145	Time-dependent density-functional theory molecular-dynamics study on amorphization of Sc-Sb-Te alloy under optical excitation. *Npj Computational Materials*, **2020**, 6,	10.9	14

144	Strong electron-polarized atom chain in amorphous phase-change memory Ge Sb Te alloy. *Acta Materialia*, **2018**, 143, 102-106	8.4	14
143	Compact Long-Period Fiber Gratings Based on Periodic Microchannels. *IEEE Photonics Technology Letters*, **2013**, 25, 111-114	2.2	14
142	Recent Progress of Lithographic Microfabrication by the TPA-Induced Photopolymerization. *Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]*, **2004**, 17, 385-392	0.7	14
141	Preparation of a FeO-Au-GO nanocomposite for simultaneous treatment of oil/water separation and dye decomposition. *Nanoscale*, **2016**, 8, 17451-17457	7.7	14
140	Nacre-inspired moisture-responsive graphene actuators with robustness and self-healing properties. *Nanoscale*, **2019**, 11, 20614-20619	7.7	14
139	Excitation to defect-bound band edge states in two-dimensional semiconductors and its effect on carrier transport. *Npj Computational Materials*, **2019**, 5,	10.9	13
138	Correlated High-Pressure Phase Sequence of VO under Strong Compression. *Journal of Physical Chemistry Letters*, **2018**, 9, 2388-2393	6.4	13
137	Fabrication of Black Silicon With Thermostable Infrared Absorption by Femtosecond Laser. *IEEE Photonics Journal*, **2016**, 8, 1-9	1.8	13
136	Simultaneous identification of multi-combustion-intermediates of alkanol-air flames by femtosecond filament excitation for combustion sensing. *Scientific Reports*, **2016**, 6, 27340	4.9	13
135	Sub-bandgap photo-response of non-doped black-silicon fabricated by nanosecond laser irradiation. *Optics Letters*, **2018**, 43, 1710-1713	3	13
134	Light-Responsive Actuators Based on Graphene. *Frontiers in Chemistry*, **2019**, 7, 506	5	13
133	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	2.4	13
132	Lithographic Microfabrication by Using Two-Photon Absorbing Phenylenevinylene Derivative. *Molecular Crystals and Liquid Crystals*, **2004**, 424, 35-41	0.5	13
131	Coexistence of bulk and surface polaritons in a magnetic-semiconductor superlattice influenced by a transverse magnetic field. *Journal of Applied Physics*, **2017**, 121, 103102	2.5	12
130	Stretchable PEG-DA Hydrogel-Based Whispering-Gallery-Mode Microlaser with Humidity Responsiveness. *Journal of Lightwave Technology*, **2018**, 36, 819-824	4	12
129	Microscale-Patterned Graphene Electrodes for Organic Light-Emitting Devices by a Simple Patterning Strategy. *Advanced Optical Materials*, **2018**, 6, 1701348	8.1	12
128	Flame treatment of graphene oxides: cost-effective production of nanoporous graphene electrode for Lithium-ion batteries. *Scientific Reports*, **2015**, 5, 17522	4.9	12
127	Distributed feedback lasing from thin organic crystal based on active waveguide grating structures. *Organic Electronics*, **2012**, 13, 1602-1605	3.5	12

126	Role of ${rm Fe}_{3}{rm O}_{4}$ as a p-Dopant in Improving the Hole Injection and Transport of Organic Light-Emitting Devices. *IEEE Journal of Quantum Electronics*, **2011**, 47, 591-596	2	12
125	Improved hole injection and transport of organic light-emitting devices with an efficient p-doped hole-injection layer. *Applied Physics Letters*, **2009**, 95, 263303	3.4	12
124	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe. *Nature Communications*, **2021**, 12, 1978	17.4	12
123	Femtosecond Laser Direct Writing Assisted Nonequilibriumly Doped Silicon n+-p Photodiodes for Light Sensing. *IEEE Sensors Journal*, **2015**, 15, 4259-4263	4	11
122	Laser interference fabrication of large-area functional periodic structure surface. *Frontiers of Mechanical Engineering*, **2018**, 13, 493-503	3.3	11
121	Bioinspired Superhydrophobic Surfaces via Laser-Structuring. *Frontiers in Chemistry*, **2020**, 8, 835	5	11
120	Hybrid Refractive□Diffractive Optical Vortex Microlens. *IEEE Photonics Technology Letters*, **2016**, 28, 2299-2302	2.2	11
119	Kraft Mesh Origami for Efficient Oil-Water Separation. *Langmuir*, **2019**, 35, 815-823	4	11
118	High Curvature Concave□Convex Microlens. *IEEE Photonics Technology Letters*, **2015**, 27, 2465-2468	2.2	10
117	Dynamics of Strongly Coupled Hybrid States by Transient Absorption Spectroscopy. *Advanced Functional Materials*, **2018**, 28, 1801761	15.6	10
116	Organic Crystals: Fabrication and Characterization of Organic Single Crystal-Based Light-Emitting Devices with Improved Contact Between the Metallic Electrodes and Crystal (Adv. Funct. Mater. 45/2014). *Advanced Functional Materials*, **2014**, 24, 7066-7066	15.6	10
115	Three-dimensional micronanofabrication via two-photon-excited photoisomerization. *Applied Physics Letters*, **2009**, 95, 083118	3.4	10
114	Two-Photon Absorption and Spectral-Narrowed Light Source. *IEEE Journal of Quantum Electronics*, **2010**, 46, 1775-1781	2	10
113	Layer-Dependent Electron Transfer and Recombination Processes in MoS/WSe Multilayer Heterostructures. *Journal of Physical Chemistry Letters*, **2020**, 11, 9649-9655	6.4	10
112	Well-Balanced Ambipolar Organic Single Crystals toward Highly Efficient Light-Emitting Devices. *Advanced Functional Materials*, **2020**, 30, 2002422	15.6	10
111	Directional Droplet Transport on Functional Surfaces with Superwettabilities. *Advanced Materials Interfaces*, **2021**, 8, 2100043	4.6	10
110	Silicon-Based Suspended Structure Fabricated by Femtosecond Laser Direct Writing and Wet Etching. *IEEE Photonics Technology Letters*, **2016**, 28, 1605-1608	2.2	10
109	Light-Driven Magnetic Encoding for Hybrid Magnetic Micromachines. *Nano Letters*, **2021**, 21, 1628-1635	11.5	10

108	Multimode Coherent Hybrid States: Ultrafast Investigation of Double Rabi Splitting between Surface Plasmons and Sulforhodamine 101 Dyes. *Advanced Optical Materials*, **2017**, 5, 1600857	8.1	9
107	On-Chip Polarization Rotators. *Advanced Optical Materials*, **2019**, 7, 1900129	8.1	9
106	Stability Improved Stretchable Metallic Gratings With Tunable Grating Period in Submicron Scale. *Journal of Lightwave Technology*, **2015**, 33, 3327-3331	4	9
105	The Optical and Electrical Properties of Co-Doped Black Silicon Textured by a Femtosecond Laser and Its Application to Infrared Light Sensing. *IEEE Sensors Journal*, **2016**, 16, 5227-5231	4	9
104	Fabrication of photopolymer hierarchical micronanostructures by coupling electrospinning and photolithography for SERS substrates. *Macromolecular Research*, **2013**, 21, 306-310	1.9	9
103	Strongly Localized Evanescent Optical Tamm States at Metal-DBR Interface. *Journal of Lightwave Technology*, **2013**, 31, 1654-1659	4	9
102	Flexible Efficient Top-Emitting Organic Light-Emitting Devices on a Silk Substrate. *IEEE Photonics Journal*, **2017**, 9, 1-6	1.8	9
101	Point-by-Point Dip Coated Long-Period Gratings in Microfibers. *IEEE Photonics Technology Letters*, **2014**, 26, 2503-2506	2.2	9
100	Micro-buried spiral zone plate in a lithium niobate crystal. *Applied Physics Letters*, **2017**, 110, 041102	3.4	8
99	Surface modification of nanostructured ZnS by femtosecond laser pulsing. *Applied Surface Science*, **2014**, 293, 332-335	6.7	8
98	Surface plasmon-enhanced amplified spontaneous emission from organic single crystals by integrating graphene/copper nanoparticle hybrid nanostructures. *Nanoscale*, **2017**, 9, 19353-19359	7.7	8
97	Enhanced Efficiency and Mechanical Robustness of Flexible Perovskite Solar Cells by Using HPbI3 Additive. *Solar Rrl*, **2021**, 5, 2000821	7.1	8
96	Electrical properties and structural transition of Ge2Sb2Te5 adjusted by rare-earth element Gd for nonvolatile phase-change memory. *Journal of Applied Physics*, **2018**, 124, 145107	2.5	8
95	NIR Photodetector Based on Nanosecond Laser-Modified Silicon. *IEEE Transactions on Electron Devices*, **2018**, 65, 4905-4909	2.9	8
94	Sulfur-Doped Silicon Photodiode by Ion Implantation and Femtosecond Laser Annealing. *IEEE Sensors Journal*, **2017**, 17, 2367-2371	4	7
93	Ultrafast Spectroscopic Study of Insulator–Semiconductor–Semimetal Transitions in Graphene Oxide and Its Reduced Derivatives. *Journal of Physical Chemistry C*, **2019**, 123, 22550-22555	3.8	7
92	Investigating the dynamics of excitons in monolayer WSe before and after organic super acid treatment. *Nanoscale*, **2018**, 10, 9346-9352	7.7	7
91	One-pot preparation of novel asymmetric structure nanoparticles and its application in catalysis. *RSC Advances*, **2014**, 4, 43586-43589	3.7	7

90	Simultaneous Femtosecond Laser Doping and Surface Texturing for Implanting Applications. *Advanced Materials Interfaces*, **2015**, 2, 1500058	4.6	7
89	Measurement of Two-Photon Absorption Cross Section of Metal Ions by a Mass Sedimentation Approach. *Scientific Reports*, **2015**, 5, 17712	4.9	7
88	Modulation Doping: A Strategy for 2D Materials Electronics. *Nano Letters*, **2021**, 21, 6298-6303	11.5	7
87	Evidence of concerted inversion for the photon-induced molecular switching of azobenzene using rotation-free azobenzene derivatives. *Journal of Materials Chemistry C*, **2013**, 1, 5244	7.1	6
86	Many-particle induced band renormalization processes in few- and mono-layer MoS. *Nanotechnology*, **2021**, 32, 135208	3.4	6
85	Electro-responsive actuators based on graphene. *Innovation(China)*, **2021**, 2, 100168	17.8	6
84	Laser Fabrication of Bioinspired Graphene Surfaces With Superwettability. *Frontiers in Chemistry*, **2020**, 8, 525	5	5
83	Intense Femtosecond Laser-Mediated Electrical Discharge Enables Preparation of Amorphous Nickel Phosphide Nanoparticles. *Langmuir*, **2018**, 34, 5712-5718	4	5
82	Sapphire-Based Dammann Gratings for UV Beam Splitting. *IEEE Photonics Journal*, **2016**, 8, 1-8	1.8	5
81	The mystical interlinks: Mechanics, religion or optics?. *Science China: Physics, Mechanics and Astronomy*, **2016**, 59, 1	3.6	5
80	Unconventional phase transition of phase-change-memory materials for optical data storage. *Chinese Physics B*, **2019**, 28, 104202	1.2	5
79	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	3.6	5
78	Biomimetics: Bioinspired Fabrication of Superhydrophobic Graphene Films by Two-Beam Laser Interference (Adv. Funct. Mater. 29/2014). *Advanced Functional Materials*, **2014**, 24, 4720-4720	15.6	5
77	FDTD Study on the Invisibility Performance of Two-Dimensional Cylindrical Cloak With Off-Plane Incidence. *Journal of Lightwave Technology*, **2012**, 30, 1835-1842	4	5
76	Strain at Native ${rm SiO}_{2}/{rm Si}(111)$ Interface Characterized by Strain-Scanning Second-Harmonic Generation. *IEEE Journal of Quantum Electronics*, **2011**, 47, 55-59	2	5
75	Improved Performance of ITO-Free Organic Solar Cells Using a Low-Workfunction and Periodically Corrugated Metallic Cathode. *IEEE Photonics Journal*, **2012**, 4, 1737-1743	1.8	5
74	TWO-PHOTON ABSORBING PHENYLENEVINYLENE DERIVATIVE HAVING SILYLOXY MOIETIES IN DONOR UNITS. *Journal of Nonlinear Optical Physics and Materials*, **2004**, 13, 467-474	0.8	5
73	Axially controllable multiple orbital angular momentum beam generator. *Applied Physics Letters*, **2020**, 117, 021101	3.4	5

72	Phase-Change-Memory Process at the Limit: A Proposal for Utilizing Monolayer SbTe. *Advanced Science*, **2021**, 8, 2004185	13.6	5
71	Surface nanostructuring via femtosecond lasers. *Physical Chemistry Chemical Physics*, **2019**, 21, 24262-24268	3.6	5
70	Laser-induced color centers in crystals. *Optics and Laser Technology*, **2022**, 146, 107527	4.2	5
69	Curved Photodetectors Based on Perovskite Microwire Arrays via In Situ Conformal Nanoimprinting. *Advanced Functional Materials*,2202277	15.6	5
68	Stretchable Textiles with Superwettabilities for Tunable Oil-Water Separation. *ChemNanoMat*, **2020** , 6, 1111-1118	3.5	4
67	Protein-Based Multi-Mode Interference Optical Micro-Splitters. *IEEE Photonics Technology Letters*, **2016**, 28, 629-632	2.2	4
66	Non-phase-separated 2D B-C-N alloys via molecule-like carbon doping in 2D BN: atomic structures and optoelectronic properties. *Physical Chemistry Chemical Physics*, **2018**, 20, 23106-23111	3.6	4
65	Actuators: Quantum-Confined-Superfluidics-Enabled Moisture Actuation Based on Unilaterally Structured Graphene Oxide Papers (Adv. Mater. 32/2019). *Advanced Materials*, **2019**, 31, 1970231	24	4
64	The atomic and electronic structure of amorphous BP4. *Journal of Alloys and Compounds*, **2012**, 545, 144-147	5.7	4
63	Top down fabrication of organic nanocrystals by femtosecond laser induced transfer method. *CrystEngComm*, **2012**, 14, 4596	3.3	4
62	Optical subpicosecond nonvolatile switching and electron-phonon coupling in ferroelectric materials. *Physical Review B*, **2020**, 102,	3.3	4
61	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	3.4	4
60	Micro□Nano-Texturing Inner Surfaces of Small-Caliber High Aspect Ratio and Superhydrophobic Artificial Vessels using Femtosecond Laser Filamenting Pulses. *Advanced Materials Interfaces*, **2018**, 5, 1801148	4.6	4
59	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	1.3	3
58	Distinct outcomes by dynamically encircling an exceptional point along homotopic loops. *Physical Review A*, **2019**, 99,	2.6	3
57	Shape-Designable and Size-Tunable Organic□Inorganic Hybrid Perovskite Micro-Ring Resonator Arrays. *Advanced Materials Technologies*, **2020**, 5, 2000051	6.8	3
56	Transient Depolarization Spectroscopic Study on Electronic Structure and Fluorescence Origin of Graphene Oxide. *Journal of Physical Chemistry Letters*, **2020**, 11, 1483-1489	6.4	3
55	Properties of conical microstructures formed on silicon surfaces via nanosecond laser ablation under vacuum. *Optical and Quantum Electronics*, **2016**, 48, 1	2.4	3

54	Role of hydrogen in the growth of boron nitride: Cubic phase versus hexagonal phase. *Computational Materials Science*, **2014**, 82, 310-313	3.2	3
53	Sub-Bandgap Photo-Response of Chromium Hyperdoped Black Silicon Photodetector Fabricated by Femtosecond Laser Pulses. *IEEE Sensors Journal*, **2021**, 1-1	4	3
52	Nanoscale amorphous interfaces in phase-change memory materials: structure, properties and design. *Journal Physics D: Applied Physics*, **2020**, 53, 114002	3	3
51	Two-Photon Polymerization Nanomanufacturing Based on the Definition-Reinforcement-Solidification (DRS) Strategy. *Journal of Lightwave Technology*, **2021**, 39, 2091-2098	4	3
50	Linked Weyl surfaces and Weyl arcs in photonic metamaterials. *Science*, **2021**, 373, 572-576	33.3	3
49	Infrared Photodiode of Textured Silicon Irradiated Under Mixed Gas by Femtosecond Laser. *IEEE Sensors Journal*, **2016**, 1-1	4	3
48	Exploring long-wave infrared transmitting materials with AxBy form: First-principles gene-like studies. *Scientific Reports*, **2016**, 6, 21912	4.9	3
47	Observation of robust charge transfer under strain engineering in two-dimensional MoS-WSe heterostructures. *Nanoscale*, **2021**, 13, 14081-14088	7.7	3
46	Metallic Graphene Nanoribbons. *Nano-Micro Letters*, **2021**, 13, 53	19.5	3
45	Enhanced Performance of Perovskite Light-Emitting Devices With Improved Perovskite Crystallization. *IEEE Photonics Journal*, **2017**, 9, 1-8	1.8	2
44	Quantum Dot LEDs: Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes (Adv. Mater. 22/2019). *Advanced Materials*, **2019**, 31, 1970157	24	2
43	Stability enhancement of the metastable cubic Sb2Te3 in supperlattice-like films. *Materials Letters*, **2019**, 243, 153-156	3.3	2
42	Aplanatic Zone Plate Embedded in Sapphire. *IEEE Photonics Technology Letters*, **2018**, 30, 509-512	2.2	2
41	Slide fastener reduction of graphene-oxide edges by calcium: insight from ab initio molecular dynamics. *ChemPhysChem*, **2014**, 15, 2707-11	3.2	2
40	Truncated Lorch-window method revealing the off-octahedral Ge in nanocrystalline Ge2Sb2Te5. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 1914-1918	1.3	2
39	Tapered and Tip-Grounded Waveguide Electrooptical Microsensors. *IEEE Photonics Journal*, **2011**, 3, 57-63	2.8	2
38	Highly transparent and conductive metal oxide/metal/polymer composite electrodes for high-efficiency flexible organic light-emitting devices. *Nanophotonics*, **2020**, 9, 3567-3573	6.3	2
37	Evaluation of Charged Defect Energy in Two-Dimensional Semiconductors for Nanoelectronics: The WLZ Extrapolation Method. *Annalen Der Physik*, **2020**, 532, 1900318	2.6	2

36	Polarization Independent Quantum Devices With Ultra-Low Birefringence Glass Waveguides. *Journal of Lightwave Technology*, **2021**, 39, 1451-1457	4	2
35	Free-Form Micro-Optics Out of Crystals: Femtosecond Laser 3D Sculpturing. *Advanced Functional Materials*,2200255	15.6	2
34	Broad-Bandwidth Micro-Diffractive Optical Elements. *Laser and Photonics Reviews*, **2022**, 16, 2100537	8.3	2
33	General Rules Governing the Dynamical Encircling of an Arbitrary Number of Exceptional Points.. *Physical Review Letters*, **2021**, 127, 253901	7.4	2
32	High-Order-Tilted Fiber Bragg Gratings With Superposed Refractive Index Modulation. *IEEE Photonics Journal*, **2018**, 10, 1-8	1.8	1
31	Study of textured ZnS irradiated by femtosecond laser pulses. *Optical and Quantum Electronics*, **2016**, 48, 1	2.4	1
30	Plasmon-Photon Coupled Modes Lasing in a Silver-Coated Hemisphere. *IEEE Photonics Technology Letters*, **2016**, 28, 351-354	2.2	1
29	Organic Single Crystalline Lasers: Distributed Feedback Lasers Based on Thiophene/Phenylene Co-Oligomer Single Crystals (Adv. Funct. Mater. 1/2012). *Advanced Functional Materials*, **2012**, 22, 32-32	15.6	1
28	Electronic excitation induced hydrogen-bond adjustment and lattice control in organic-inorganic hybrid cubic perovskites: a fixed occupation molecular dynamics study. *Physical Chemistry Chemical Physics*, **2017**, 19, 26164-26168	3.6	1
27	Liu et al. Reply:. *Physical Review Letters*, **2012**, 108,	7.4	1
26	Precise measurement of weak strain by second-harmonic generation from silicon (111) surface. *Journal of the Optical Society of America B: Optical Physics*, **2013**, 30, 1200	1.7	1
25	Anomalous Electro-Optic Effect in Polar Liquid Films. *IEEE Journal of Quantum Electronics*, **2012**, 48, 1310-1313		1
24	Micro/nanofabrication of two and three dimensional structures by two-photon polymerization		1
23	Parallel-Integrated Sapphire Fiber Bragg Gratings Probe Sensor for High Temperature Sensing. *IEEE Sensors Journal*, **2022**, 1-1	4	1
22	Stretchable Organic Light-Emitting Devices with Invisible Orderly Wrinkles by using a Transfer-Free Technique. *Advanced Materials Technologies*,2101263	6.8	1
21	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	15.6	1
20	Nucleation Dynamics of Phase-Change Memory Materials: Atomic Motion and Property Evolution. *Physica Status Solidi - Rapid Research Letters*, **2021**, 15, 2000441	2.5	1
19	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	2.6	1

18	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, 031413	17.3	1
17	Direct Observation of Room-Temperature Intravalley Coherent Coupling Processes in Monolayer MoS 2. *Laser and Photonics Reviews*, **2022**, 16, 2100343	8.3	1
16	Eliminating Angular Dispersion in Microcavity by Employing Metamaterials With Hyperbolic Dispersion as Reflectors. *IEEE Journal of Quantum Electronics*, **2014**, 50, 348-353	2	0
15	Atomic-scale observation of strain-induced local amorphization in face-centered cubic metals. *Scripta Materialia*, **2022**, 212, 114553	5.6	0
14	Electronic structure evolution and exciton energy shifting dynamics in WSe2: from monolayer to bulk. *Journal Physics D: Applied Physics*, **2021**, 54, 354002	3	0
13	Exceptional point protected robust on-chip optical logic gates. *Exploration*,20210243		0
12	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	1.3	
11	Study on optical and electrical properties of gold-doped silicon fabricated by femtosecond laser. *Optical and Quantum Electronics*, **2017**, 49, 1	2.4	
10	Graphene: Moisture-Responsive Graphene Paper Prepared by Self-Controlled Photoreduction (Adv. Mater. 2/2015). *Advanced Materials*, **2015**, 27, 190-190	24	
9	SERS Substrates: Silver-Coated Rose Petal: Green, Facile, Low-Cost and Sustainable Fabrication of a SERS Substrate with Unique Superhydrophobicity and High Efficiency (Advanced Optical Materials 1/2013). *Advanced Optical Materials*, **2013**, 1, 55-55	8.1	
8	Regular arrays of triangular-microstructure formed on silicon (111) surface via ultrafast laser irradiation in KOH solution. *Surface and Interface Analysis*, **2013**, 45, 1667-1672	1.5	
7	Time-Resolved Spectroscopic Study of the Aggregation-Induced Emission Mechanism **2013**, 337-355		
6	Excited State Dynamics of 2-MPT-Derived Fluorescent Molecular Switches. *IEEE Journal of Quantum Electronics*, **2011**, 47, 1163-1170	2	
5	Electronic Excitation Induced Solid-State Amorphization in Ge-Sb-Te Alloy. *Materials Research Society Symposia Proceedings*, **2011**, 1370, 77		
4	Two-Photon Laser Micro-Nano Fabrication; Understanding from Single-Voxel Level. *Materials Research Society Symposia Proceedings*, **2002**, 758, 461		
3	Creation of a Micro-Nanoworld with Photons. *Seikei-Kakou*, **2005**, 17, 524-527	0	
2	Erratum to Metal□Insulator Transition of GeSbTe Superlattice: An Electron Counting Model Study□[Jan 18 140-146]. *IEEE Nanotechnology Magazine*, **2018**, 17, 614-614	2.6	
1	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	2.6	