

Xian-Bin Li

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2416494/xian-bin-li-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Atomic-scale observation of strain-induced local amorphization in face-centered cubic metals. <i>Scripta Materialia</i> , 2022 , 212, 114553	5.6	0
340	Parallel-Integrated Sapphire Fiber Bragg Gratings Probe Sensor for High Temperature Sensing. <i>IEEE Sensors Journal</i> , 2022 , 1-1	4	1
339	Laser-induced color centers in crystals. <i>Optics and Laser Technology</i> , 2022 , 146, 107527	4.2	5
338	Direct Observation of Room-Temperature Intravalley Coherent Coupling Processes in Monolayer MoS ₂ . <i>Laser and Photonics Reviews</i> , 2022 , 16, 2100343	8.3	1
337	Broad-Bandwidth Micro-Diffractive Optical Elements. <i>Laser and Photonics Reviews</i> , 2022 , 16, 2100537	8.3	2
336	Sub-Bandgap Photo-Response of Chromium Hyperdoped Black Silicon Photodetector Fabricated by Femtosecond Laser Pulses. <i>IEEE Sensors Journal</i> , 2021 , 1-1	4	3
335	Direct identification of Mott Hubbard band pattern beyond charge density wave superlattice in monolayer 1T-NbSe. <i>Nature Communications</i> , 2021 , 12, 1978	17.4	12
334	High-Throughput Screening for Phase-Change Memory Materials. <i>Advanced Functional Materials</i> , 2021 , 31, 2009803	15.6	15
333	Two-Photon Polymerization Nanomanufacturing Based on the Definition Reinforcement Solidification (DRS) Strategy. <i>Journal of Lightwave Technology</i> , 2021 , 39, 2091-2098	4.98	3
332	Phase-Change-Memory Process at the Limit: A Proposal for Utilizing Monolayer SbTe. <i>Advanced Science</i> , 2021 , 8, 2004185	13.6	5
331	Directional Droplet Transport on Functional Surfaces with Superwettabilities. <i>Advanced Materials Interfaces</i> , 2021 , 8, 2100043	4.6	10
330	Electronic structure evolution and exciton energy shifting dynamics in WSe ₂ : from monolayer to bulk. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 354002	3	0
329	Linked Weyl surfaces and Weyl arcs in photonic metamaterials. <i>Science</i> , 2021 , 373, 572-576	33.3	3
328	Polarization Independent Quantum Devices With Ultra-Low Birefringence Glass Waveguides. <i>Journal of Lightwave Technology</i> , 2021 , 39, 1451-1457	4	2
327	Nucleation Dynamics of Phase-Change Memory Materials: Atomic Motion and Property Evolution. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021 , 15, 2000441	2.5	1
326	Capillary Force-Induced Printing of Stretchable and Mechanically Stable Silver Nanowire Electrodes With Highly Ordered Alignment For Ultra-Flexible Organic Light-Emitting Devices. <i>IEEE Nanotechnology Magazine</i> , 2021 , 20, 99-103	2.6	1
325	Observation of robust charge transfer under strain engineering in two-dimensional MoS ₂ -WSe ₂ heterostructures. <i>Nanoscale</i> , 2021 , 13, 14081-14088	7.7	3

324	Many-particle induced band renormalization processes in few- and mono-layer MoS. <i>Nanotechnology</i> , 2021 , 32, 135208	3.4	6
323	Light-Driven Magnetic Encoding for Hybrid Magnetic Micromachines. <i>Nano Letters</i> , 2021 , 21, 1628-1635	11.5	10
322	Enhanced Efficiency and Mechanical Robustness of Flexible Perovskite Solar Cells by Using HPbI3 Additive. <i>Solar Rrl</i> , 2021 , 5, 2000821	7.1	8
321	Modulation Doping: A Strategy for 2D Materials Electronics. <i>Nano Letters</i> , 2021 , 21, 6298-6303	11.5	7
320	Femtosecond transient absorption spectroscopic study on the electronic structures of graphene oxides, graphene oxide nanoribbons and graphene quantum dots. <i>Optical Materials Express</i> , 2021 , 11, 3486	2.6	
319	Electro-responsive actuators based on graphene. <i>Innovation(China)</i> , 2021 , 2, 100168	17.8	6
318	Mexican-hat potential energy surface in two-dimensional III2-VI3 materials and the importance of entropy barrier in ultrafast reversible ferroelectric phase change. <i>Applied Physics Reviews</i> , 2021 , 8, 031413	17.3	1
317	Metallic Graphene Nanoribbons. <i>Nano-Micro Letters</i> , 2021 , 13, 53	19.5	3
316	General Rules Governing the Dynamical Encircling of an Arbitrary Number of Exceptional Points.. <i>Physical Review Letters</i> , 2021 , 127, 253901	7.4	2
315	Shape-Designable and Size-Tunable OrganicInorganic Hybrid Perovskite Micro-Ring Resonator Arrays. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000051	6.8	3
314	Perovskite Single-Crystal Microwire-Array Photodetectors with Performance Stability beyond 1 Year. <i>Advanced Materials</i> , 2020 , 32, e2001998	24	70
313	Laser Fabrication of Bioinspired Graphene Surfaces With Superwettability. <i>Frontiers in Chemistry</i> , 2020 , 8, 525	5	5
312	Transient Depolarization Spectroscopic Study on Electronic Structure and Fluorescence Origin of Graphene Oxide. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 1483-1489	6.4	3
311	O-FIB: far-field-induced near-field breakdown for direct nanowriting in an atmospheric environment. <i>Light: Science and Applications</i> , 2020 , 9, 41	16.7	61
310	Time-dependent density-functional theory molecular-dynamics study on amorphization of Sc-Sb-Te alloy under optical excitation. <i>Npj Computational Materials</i> , 2020 , 6,	10.9	14
309	Stretchable Textiles with Superwettabilities for Tunable Oil-Water Separation. <i>ChemNanoMat</i> , 2020 , 6, 1111-1118	3.5	4
308	Laser fabrication of graphene-based supercapacitors. <i>Photonics Research</i> , 2020 , 8, 577	6	23
307	Plasmon-enhanced organic and perovskite solar cells with metal nanoparticles. <i>Nanophotonics</i> , 2020 , 9, 3111-3133	6.3	19

306	Highly transparent and conductive metal oxide/metal/polymer composite electrodes for high-efficiency flexible organic light-emitting devices. <i>Nanophotonics</i> , 2020 , 9, 3567-3573	6.3	2
305	Evaluation of Charged Defect Energy in Two-Dimensional Semiconductors for Nanoelectronics: The WLZ Extrapolation Method. <i>Annalen Der Physik</i> , 2020 , 532, 1900318	2.6	2
304	Nanoscale amorphous interfaces in phase-change memory materials: structure, properties and design. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 114002	3	3
303	Cross-wavelength invisibility integrated with various invisibility tactics. <i>Science Advances</i> , 2020 , 6,	14.3	16
302	Axially controllable multiple orbital angular momentum beam generator. <i>Applied Physics Letters</i> , 2020 , 117, 021101	3.4	5
301	Bioinspired Superhydrophobic Surfaces via Laser-Structuring. <i>Frontiers in Chemistry</i> , 2020 , 8, 835	5	11
300	Layer-Dependent Electron Transfer and Recombination Processes in MoS/WSe Multilayer Heterostructures. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 9649-9655	6.4	10
299	Well-Balanced Ambipolar Organic Single Crystals toward Highly Efficient Light-Emitting Devices. <i>Advanced Functional Materials</i> , 2020 , 30, 2002422	15.6	10
298	Femtosecond laser programmed artificial musculoskeletal systems. <i>Nature Communications</i> , 2020 , 11, 4536	17.4	50
297	Optical subpicosecond nonvolatile switching and electron-phonon coupling in ferroelectric materials. <i>Physical Review B</i> , 2020 , 102,	3.3	4
296	Femtosecond Laser Inscribed Sapphire Fiber Bragg Grating for High Temperature and Strain Sensing. <i>IEEE Nanotechnology Magazine</i> , 2019 , 18, 208-211	2.6	22
295	Ultrafast Spectroscopic Study of InsulatorSemiconductorSemimetal Transitions in Graphene Oxide and Its Reduced Derivatives. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 22550-22555	3.8	7
294	Gradient Assembly of Polymer Nanospheres and Graphene Oxide Sheets for Dual-Responsive Soft Actuators. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 37130-37138	9.5	15
293	Template-confined growth of Ruddlesden-Popper perovskite micro-wire arrays for stable polarized photodetectors. <i>Nanoscale</i> , 2019 , 11, 18272-18281	7.7	21
292	Perovskite quantum dots for light-emitting devices. <i>Nanoscale</i> , 2019 , 11, 19119-19139	7.7	53
291	Excitation to defect-bound band edge states in two-dimensional semiconductors and its effect on carrier transport. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	13
290	Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes. <i>Advanced Materials</i> , 2019 , 31, e1807516	24	43
289	Dual-3D Femtosecond Laser Nanofabrication Enables Dynamic Actuation. <i>ACS Nano</i> , 2019 , 13, 4041-4048	6.7	56

288	Quantum Dot LEDs: Stretchable Organometal-Halide-Perovskite Quantum-Dot Light-Emitting Diodes (Adv. Mater. 22/2019). <i>Advanced Materials</i> , 2019 , 31, 1970157	24	2
287	Flat Boron: A New Cousin of Graphene. <i>Advanced Materials</i> , 2019 , 31, e1900392	24	54
286	Distinct outcomes by dynamically encircling an exceptional point along homotopic loops. <i>Physical Review A</i> , 2019 , 99,	2.6	3
285	Graphene as a Transparent and Conductive Electrode for Organic Optoelectronic Devices. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900247	6.4	18
284	Quantum-Confined-Superfluidics-Enabled Moisture Actuation Based on Unilaterally Structured Graphene Oxide Papers. <i>Advanced Materials</i> , 2019 , 31, e1901585	24	43
283	On-Chip Polarization Rotators. <i>Advanced Optical Materials</i> , 2019 , 7, 1900129	8.1	9
282	Rapid Engraving of Artificial Compound Eyes from Curved Sapphire Substrate. <i>Advanced Functional Materials</i> , 2019 , 29, 1900037	15.6	34
281	Optical Nanofabrication of Concave Microlens Arrays. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1800272	8.3	34
280	Stability enhancement of the metastable cubic Sb ₂ Te ₃ in superlattice-like films. <i>Materials Letters</i> , 2019 , 243, 153-156	3.3	2
279	Unconventional phase transition of phase-change-memory materials for optical data storage. <i>Chinese Physics B</i> , 2019 , 28, 104202	1.2	5
278	Actuators: Quantum-Confined-Superfluidics-Enabled Moisture Actuation Based on Unilaterally Structured Graphene Oxide Papers (Adv. Mater. 32/2019). <i>Advanced Materials</i> , 2019 , 31, 1970231	24	4
277	Light-Responsive Actuators Based on Graphene. <i>Frontiers in Chemistry</i> , 2019 , 7, 506	5	13
276	Smart Compound Eyes Enable Tunable Imaging. <i>Advanced Functional Materials</i> , 2019 , 29, 1903340	15.6	35
275	Femtosecond laser fabrication of 3D templates for mass production of artificial compound eyes. <i>Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering</i> , 2019 , 2, 110-117	2.4	13
274	Organic Single-Crystalline Semiconductors for Light-Emitting Applications: Recent Advances and Developments. <i>Laser and Photonics Reviews</i> , 2019 , 13, 1900009	8.3	22
273	Nacre-inspired moisture-responsive graphene actuators with robustness and self-healing properties. <i>Nanoscale</i> , 2019 , 11, 20614-20619	7.7	14
272	Surface nanostructuring via femtosecond lasers. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 24262-24268	3.68	5
271	Kraft Mesh Origami for Efficient Oil-Water Separation. <i>Langmuir</i> , 2019 , 35, 815-823	4	11

270	Ultrathin Metal Films as the Transparent Electrode in ITO-Free Organic Optoelectronic Devices. <i>Advanced Optical Materials</i> , 2019 , 7, 1800778	8.1	74
269	Experimental Observation of Toroidal Dipole Modes in All-Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , 2019 , 7, 1801166	8.1	53
268	Laser-Structured Graphene/Reduced Graphene Oxide Films towards Bio-Inspired Superhydrophobic Surfaces. <i>Bulletin of the Chemical Society of Japan</i> , 2019 , 92, 283-289	5.1	35
267	Recent Developments in Flexible Organic Light-Emitting Devices. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800371	6.8	75
266	High-Color-Rendering and High-Efficiency White Organic Light-Emitting Devices Based on Double-Doped Organic Single Crystals. <i>Advanced Functional Materials</i> , 2019 , 29, 1807606	15.6	31
265	Aplanatic Zone Plate Embedded in Sapphire. <i>IEEE Photonics Technology Letters</i> , 2018 , 30, 509-512	2.2	2
264	Stretchable PEG-DA Hydrogel-Based Whispering-Gallery-Mode Microlaser with Humidity Responsiveness. <i>Journal of Lightwave Technology</i> , 2018 , 36, 819-824	4	12
263	Pneumatic smart surfaces with rapidly switchable dominant and latent superhydrophobicity. <i>NPG Asia Materials</i> , 2018 , 10, e470-e470	10.3	22
262	Hybrid-State Dynamics of Dye Molecules and Surface Plasmon Polaritons under Ultrastrong Coupling Regime. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1700176	8.3	21
261	Investigating the dynamics of excitons in monolayer WSe before and after organic super acid treatment. <i>Nanoscale</i> , 2018 , 10, 9346-9352	7.7	7
260	Correlated High-Pressure Phase Sequence of VO under Strong Compression. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2388-2393	6.4	13
259	Wearable Superhydrophobic Elastomer Skin with Switchable Wettability. <i>Advanced Functional Materials</i> , 2018 , 28, 1800625	15.6	82
258	Microscale-Patterned Graphene Electrodes for Organic Light-Emitting Devices by a Simple Patterning Strategy. <i>Advanced Optical Materials</i> , 2018 , 6, 1701348	8.1	12
257	High-Order-Tilted Fiber Bragg Gratings With Superposed Refractive Index Modulation. <i>IEEE Photonics Journal</i> , 2018 , 10, 1-8	1.8	1
256	Femtosecond Laser Inscribed Small-Period Long-Period Fiber Gratings With Dual-Parameter Sensing. <i>IEEE Sensors Journal</i> , 2018 , 18, 1100-1103	4	23
255	Electric field analyses on monolayer semiconductors: the example of InSe. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 6945-6950	3.6	28
254	Metal-Insulator Transition of Ge ₂ Te Superlattice: An Electron Counting Model Study. <i>IEEE Nanotechnology Magazine</i> , 2018 , 17, 140-146	2.6	26
253	Directional Forces by Momentumless Excitation and Order-to-Order Transition in Peierls-Distorted Solids: The Case of GeTe. <i>Physical Review Letters</i> , 2018 , 120, 185701	7.4	21

252	Intense Femtosecond Laser-Mediated Electrical Discharge Enables Preparation of Amorphous Nickel Phosphide Nanoparticles. <i>Langmuir</i> , 2018 , 34, 5712-5718	4	5
251	Black Silicon IR Photodiode Supersaturated With Nitrogen by Femtosecond Laser Irradiation. <i>IEEE Sensors Journal</i> , 2018 , 18, 3595-3601	4	16
250	Strong electron-polarized atom chain in amorphous phase-change memory Ge Sb Te alloy. <i>Acta Materialia</i> , 2018 , 143, 102-106	8.4	14
249	Sub-bandgap photo-response of non-doped black-silicon fabricated by nanosecond laser irradiation. <i>Optics Letters</i> , 2018 , 43, 1710-1713	3	13
248	Liquid-Assisted Femtosecond Laser Precision-Machining of Silica. <i>Nanomaterials</i> , 2018 , 8,	5.4	24
247	Laser interference fabrication of large-area functional periodic structure surface. <i>Frontiers of Mechanical Engineering</i> , 2018 , 13, 493-503	3.3	11
246	Dynamics of Strongly Coupled Hybrid States by Transient Absorption Spectroscopy. <i>Advanced Functional Materials</i> , 2018 , 28, 1801761	15.6	10
245	Non-phase-separated 2D B-C-N alloys via molecule-like carbon doping in 2D BN: atomic structures and optoelectronic properties. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 23106-23111	3.6	4
244	Micro/Nano-Texturing Inner Surfaces of Small-Caliber High Aspect Ratio and Superhydrophobic Artificial Vessels using Femtosecond Laser Filamenting Pulses. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1801148	4.6	4
243	Electrical properties and structural transition of Ge ₂ Sb ₂ Te ₅ adjusted by rare-earth element Gd for nonvolatile phase-change memory. <i>Journal of Applied Physics</i> , 2018 , 124, 145107	2.5	8
242	NIR Photodetector Based on Nanosecond Laser-Modified Silicon. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 4905-4909	2.9	8
241	Phase-Change Superlattice Materials toward Low Power Consumption and High Density Data Storage: Microscopic Picture, Working Principles, and Optimization. <i>Advanced Functional Materials</i> , 2018 , 28, 1803380	15.6	85
240	Biomimetic Graphene Actuators Enabled by Multiresponse Graphene Oxide Paper with Pretailored Reduction Gradient. <i>Advanced Materials Technologies</i> , 2018 , 3, 1800258	6.8	26
239	Clarification of the Molecular Doping Mechanism in Organic Single-Crystalline Semiconductors and their Application in Color-Tunable Light-Emitting Devices. <i>Advanced Materials</i> , 2018 , 30, e1801078	24	34
238	Erratum to Metal-Insulator Transition of GeSbTe Superlattice: An Electron Counting Model Study [Jan 18 140-146]. <i>IEEE Nanotechnology Magazine</i> , 2018 , 17, 614-614	2.6	
237	Mechanically robust stretchable organic optoelectronic devices built using a simple and universal stencil-pattern transferring technology. <i>Light: Science and Applications</i> , 2018 , 7, 35	16.7	55
236	Enhanced Performance of Perovskite Light-Emitting Devices With Improved Perovskite Crystallization. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-8	1.8	2
235	Angle-multiplexed optical printing of biomimetic hierarchical 3D textures. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600187	8.3	35

234	Slow cooling and efficient extraction of C-exciton hot carriers in MoS monolayer. <i>Nature Communications</i> , 2017 , 8, 13906	17.4	95
233	Micro-buried spiral zone plate in a lithium niobate crystal. <i>Applied Physics Letters</i> , 2017 , 110, 041102	3.4	8
232	On-chip laser processing for the development of multifunctional microfluidic chips. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600116	8.3	47
231	Light manipulation in organic light-emitting devices by integrating micro/nano patterns. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600145	8.3	42
230	Dispersion peculiarities of hybrid modes in a circular waveguide filled by a composite gyroelectromagnetic medium. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 350-362	1.3	3
229	Highly Efficient Three Primary Color Organic Single-Crystal Light-Emitting Devices with Balanced Carrier Injection and Transport. <i>Advanced Functional Materials</i> , 2017 , 27, 1604659	15.6	57
228	Sensitively Humidity-Driven Actuator Based on Photopolymerizable PEG-DA Films. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1601002	4.6	70
227	Sulfur-Doped Silicon Photodiode by Ion Implantation and Femtosecond Laser Annealing. <i>IEEE Sensors Journal</i> , 2017 , 17, 2367-2371	4	7
226	Gold-Hyperdoped Black Silicon With High IR Absorption by Femtosecond Laser Irradiation. <i>IEEE Nanotechnology Magazine</i> , 2017 , 16, 502-506	2.6	16
225	Flexible perovskite solar cells with ultrathin Au anode and vapour-deposited perovskite film. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 169, 8-12	6.4	31
224	Sunlight-Reduced Graphene Oxides as Sensitive Moisture Sensors for Smart Device Design. <i>Advanced Materials Technologies</i> , 2017 , 2, 1700045	6.8	33
223	Mask-free construction of three-dimensional silicon structures by dry etching assisted gray-scale femtosecond laser direct writing. <i>Applied Physics Letters</i> , 2017 , 110, 091602	3.4	15
222	Coexistence of bulk and surface polaritons in a magnetic-semiconductor superlattice influenced by a transverse magnetic field. <i>Journal of Applied Physics</i> , 2017 , 121, 103102	2.5	12
221	Dry-etching-assisted femtosecond laser machining. <i>Laser and Photonics Reviews</i> , 2017 , 11, 1600115	8.3	47
220	Femtosecond Laser Direct Writing of Plasmonic Ag/Pd Alloy Nanostructures Enables Flexible Integration of Robust SERS Substrates. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600270	6.8	22
219	Multimode Coherent Hybrid States: Ultrafast Investigation of Double Rabi Splitting between Surface Plasmons and Sulforhodamine 101 Dyes. <i>Advanced Optical Materials</i> , 2017 , 5, 1600857	8.1	9
218	Size-dependent one-photon- and two-photon-pumped amplified spontaneous emission from organometal halide CHNHPbBr perovskite cubic microcrystals. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 2217-2224	3.6	27
217	Engineering two-dimensional electronics by semiconductor defects. <i>Nano Today</i> , 2017 , 16, 30-45	17.9	48

216	Photothermal Surface Plasmon Resonance and Interband Transition-Enhanced Nanocomposite Hydrogel Actuators with Hand-Like Dynamic Manipulation. <i>Advanced Optical Materials</i> , 2017 , 5, 1700442	8.1	42
215	Charged defects in two-dimensional semiconductors of arbitrary thickness and geometry: Formulation and application to few-layer black phosphorus. <i>Physical Review B</i> , 2017 , 96,	3.3	20
214	Laser-structured Janus wire mesh for efficient oil-water separation. <i>Nanoscale</i> , 2017 , 9, 17933-17938	7.7	62
213	Electronic excitation induced hydrogen-bond adjustment and lattice control in organic-inorganic hybrid cubic perovskites: a fixed occupation molecular dynamics study. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 26164-26168	3.6	1
212	Direct Laser Writing of Superhydrophobic PDMS Elastomers for Controllable Manipulation via Marangoni Effect. <i>Advanced Functional Materials</i> , 2017 , 27, 1702946	15.6	78
211	Flexible Efficient Top-Emitting Organic Light-Emitting Devices on a Silk Substrate. <i>IEEE Photonics Journal</i> , 2017 , 9, 1-6	1.8	9
210	Native defects and substitutional impurities in two-dimensional monolayer InSe. <i>Nanoscale</i> , 2017 , 9, 11619-11624	7.7	24
209	Giant lattice expansion by quantum stress and universal atomic forces in semiconductors under instant ultrafast laser excitation. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 24735-24741	3.6	5
208	Nanostructures induced light harvesting enhancement in organic photovoltaics. <i>Nanophotonics</i> , 2017 , 7, 371-391	6.3	22
207	Surface plasmon-enhanced amplified spontaneous emission from organic single crystals by integrating graphene/copper nanoparticle hybrid nanostructures. <i>Nanoscale</i> , 2017 , 9, 19353-19359	7.7	8
206	Control of single-mode operation in a circular waveguide filled by a longitudinally magnetized gyroelectromagnetic medium. <i>Journal of Electromagnetic Waves and Applications</i> , 2017 , 31, 1265-1276	1.3	
205	Element-specific amorphization of vacancy-ordered GeSbTe for ternary-state phase change memory. <i>Acta Materialia</i> , 2017 , 136, 242-248	8.4	17
204	Study on optical and electrical properties of gold-doped silicon fabricated by femtosecond laser. <i>Optical and Quantum Electronics</i> , 2017 , 49, 1	2.4	
203	Photoluminescence quenching of inorganic cesium lead halides perovskite quantum dots (CsPbX) by electron/hole acceptor. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 1920-1926	3.6	44
202	Plasmonic nano-printing: large-area nanoscale energy deposition for efficient surface texturing. <i>Light: Science and Applications</i> , 2017 , 6, e17112	16.7	122
201	Integrated optofluidic-microfluidic twin channels: toward diverse application of lab-on-a-chip systems. <i>Scientific Reports</i> , 2016 , 6, 19801	4.9	16
200	As-grown graphene/copper nanoparticles hybrid nanostructures for enhanced intensity and stability of surface plasmon resonance. <i>Scientific Reports</i> , 2016 , 6, 37190	4.9	19
199	Light-Mediated Manufacture and Manipulation of Actuators. <i>Advanced Materials</i> , 2016 , 28, 8328-8343	24	146

198	Fabrication of Black Silicon With Thermostable Infrared Absorption by Femtosecond Laser. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-9	1.8	13
197	Study of textured ZnS irradiated by femtosecond laser pulses. <i>Optical and Quantum Electronics</i> , 2016 , 48, 1	2.4	1
196	Sapphire-Based Dammann Gratings for UV Beam Splitting. <i>IEEE Photonics Journal</i> , 2016 , 8, 1-8	1.8	5
195	Efficient and mechanically robust stretchable organic light-emitting devices by a laser-programmable buckling process. <i>Nature Communications</i> , 2016 , 7, 11573	17.4	134
194	Two-Dimensional Stretchable Organic Light-Emitting Devices with High Efficiency. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31166-31171	9.5	46
193	The Role of Trap-assisted Recombination in Luminescent Properties of Organometal Halide CH ₃ NH ₃ PbBr ₃ Perovskite Films and Quantum Dots. <i>Scientific Reports</i> , 2016 , 6, 27286	4.9	74
192	Simultaneous identification of multi-combustion-intermediates of alkanol-air flames by femtosecond filament excitation for combustion sensing. <i>Scientific Reports</i> , 2016 , 6, 27340	4.9	13
191	Dynamics of Strong Coupling between CdSe Quantum Dots and Surface Plasmon Polaritons in Subwavelength Hole Array. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4648-4654	6.4	23
190	Vacancy Structures and Melting Behavior in Rock-Salt GeSbTe. <i>Scientific Reports</i> , 2016 , 6, 25453	4.9	31
189	The mystical interlinks: Mechanics, religion or optics?. <i>Science China: Physics, Mechanics and Astronomy</i> , 2016 , 59, 1	3.6	5
188	The Optical and Electrical Properties of Co-Doped Black Silicon Textured by a Femtosecond Laser and Its Application to Infrared Light Sensing. <i>IEEE Sensors Journal</i> , 2016 , 16, 5227-5231	4	9
187	Protein-Based Multi-Mode Interference Optical Micro-Splitters. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 629-632	2.2	4
186	Sapphire-Based Fresnel Zone Plate Fabricated by Femtosecond Laser Direct Writing and Wet Etching. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1290-1293	2.2	21
185	Properties of conical microstructures formed on silicon surfaces via nanosecond laser ablation under vacuum. <i>Optical and Quantum Electronics</i> , 2016 , 48, 1	2.4	3
184	Plasmon-Photon Coupled Modes Lasing in a Silver-Coated Hemisphere. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 351-354	2.2	1
183	Surface and Interface Engineering of Graphene Oxide Films by Controllable Photoreduction. <i>Chemical Record</i> , 2016 , 16, 1244-55	6.6	21
182	Dynamics of Strong Coupling between J-Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays. <i>Advanced Functional Materials</i> , 2016 , 26, 6198-6205	15.6	30
181	Bioinspired few-layer graphene prepared by chemical vapor deposition on femtosecond laser-structured Cu foil. <i>Laser and Photonics Reviews</i> , 2016 , 10, 441-450	8.3	36

180	Infrared Photodiode of Textured Silicon Irradiated Under Mixed Gas by Femtosecond Laser. <i>IEEE Sensors Journal</i> , 2016 , 1-1	4	3
179	Enhanced efficiency of organic light-emitting devices with corrugated nanostructures based on soft nano-imprinting lithography. <i>Applied Physics Letters</i> , 2016 , 109, 193301	3.4	16
178	Possible n/p-type conductivity of two-dimensional graphene oxide by boron and nitrogen doping: Evaluated via constrained excitation. <i>Applied Physics Letters</i> , 2016 , 109, 203113	3.4	4
177	Exploring long-wave infrared transmitting materials with AxBy form: First-principles gene-like studies. <i>Scientific Reports</i> , 2016 , 6, 21912	4.9	3
176	Silicon-Based Suspended Structure Fabricated by Femtosecond Laser Direct Writing and Wet Etching. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 1605-1608	2.2	10
175	Strong Coupling: Dynamics of Strong Coupling between J-Aggregates and Surface Plasmon Polaritons in Subwavelength Hole Arrays (Adv. Funct. Mater. 34/2016). <i>Advanced Functional Materials</i> , 2016 , 26, 6197-6197	15.6	1
174	Preparation of a FeO-Au-GO nanocomposite for simultaneous treatment of oil/water separation and dye decomposition. <i>Nanoscale</i> , 2016 , 8, 17451-17457	7.7	14
173	Hybrid Refractive/Diffractive Optical Vortex Microlens. <i>IEEE Photonics Technology Letters</i> , 2016 , 28, 2299-2302	2.3	11
172	Flexible and efficient ITO-free semitransparent perovskite solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 157, 660-665	6.4	45
171	PDMS-Coated S-Tapered Fiber for Highly Sensitive Measurements of Transverse Load and Temperature. <i>IEEE Sensors Journal</i> , 2015 , 15, 3429-3435	4	26
170	Recent developments in superhydrophobic graphene and graphene-related materials: from preparation to potential applications. <i>Nanoscale</i> , 2015 , 7, 7101-14	7.7	117
169	Aluminum-centered tetrahedron-octahedron transition in advancing Al-Sb-Te phase change properties. <i>Scientific Reports</i> , 2015 , 5, 8548	4.9	18
168	Origin of high thermal stability of amorphous Ge ₁ Cu ₂ Te ₃ alloy: A significant Cu-bonding reconfiguration modulated by Te lone-pair electrons for crystallization. <i>Acta Materialia</i> , 2015 , 90, 88-93	8.4	34
167	Determination of formation and ionization energies of charged defects in two-dimensional materials. <i>Physical Review Letters</i> , 2015 , 114, 196801	7.4	63
166	Customization of Protein Single Nanowires for Optical Biosensing. <i>Small</i> , 2015 , 11, 2869-76	11	23
165	Femtosecond laser ionization and fragmentation of molecules for environmental sensing. <i>Laser and Photonics Reviews</i> , 2015 , 9, 275-293	8.3	55
164	Photonic-Molecule Single-Mode Laser. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1157-1160	2.2	27
163	Femtosecond Laser Direct Writing Assisted Nonequilibrium Doped Silicon n+-p Photodiodes for Light Sensing. <i>IEEE Sensors Journal</i> , 2015 , 15, 4259-4263	4	11

162	Hybrid Tamm plasmon-polariton/microcavity modes for white top-emitting organic light-emitting devices. <i>Optica</i> , 2015 , 2, 579	8.6	40
161	Stability Improved Stretchable Metallic Gratings With Tunable Grating Period in Submicron Scale. <i>Journal of Lightwave Technology</i> , 2015 , 33, 3327-3331	4	9
160	Boron based two-dimensional crystals: theoretical design, realization proposal and applications. <i>Nanoscale</i> , 2015 , 7, 18863-71	7.7	47
159	Aqueous multiphoton lithography with multifunctional silk-centred bio-resists. <i>Nature Communications</i> , 2015 , 6, 8612	17.4	94
158	Bioinspired Underwater Superoleophobic Membrane Based on a Graphene Oxide Coated Wire Mesh for Efficient Oil/Water Separation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20930-6	9.5	143
157	High Curvature Concave/Convex Microlens. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 2465-2468	2.2	10
156	Solvent-tunable PDMS microlens fabricated by femtosecond laser direct writing. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 1751-1756	7.1	48
155	A novel two-dimensional MgB ₆ crystal: metal-layer stabilized boron kagome lattice. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 1093-8	3.6	29
154	Unidirectional Lasing From a Spiral-Shaped Microcavity of Dye-Doped Polymers. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 311-314	2.2	19
153	Moisture-responsive graphene paper prepared by self-controlled photoreduction. <i>Advanced Materials</i> , 2015 , 27, 332-8	24	176
152	Optical force on toroidal nanostructures: Toroidal dipole versus renormalized electric dipole. <i>Physical Review A</i> , 2015 , 92,	2.6	28
151	Monolayer II-VI semiconductors: A first-principles prediction. <i>Physical Review B</i> , 2015 , 92,	3.3	160
150	Flame treatment of graphene oxides: cost-effective production of nanoporous graphene electrode for Lithium-ion batteries. <i>Scientific Reports</i> , 2015 , 5, 17522	4.9	12
149	Protein-Based Three-Dimensional Whispering-Gallery-Mode Micro-Lasers with Stimulus-Responsiveness. <i>Scientific Reports</i> , 2015 , 5, 12852	4.9	30
148	Intrinsic Polarization and Tunable Color of Electroluminescence from Organic Single Crystal-based Light-Emitting Devices. <i>Scientific Reports</i> , 2015 , 5, 12445	4.9	29
147	Simultaneous Femtosecond Laser Doping and Surface Texturing for Implanting Applications. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500058	4.6	7
146	Bioinspired Graphene Actuators Prepared by Unilateral UV Irradiation of Graphene Oxide Papers. <i>Advanced Functional Materials</i> , 2015 , 25, 4548-4557	15.6	177
145	Infrared Absorption of Femtosecond Laser Textured Silicon Under Vacuum. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1481-1484	2.2	21

144	Compact Mach-Zehnder Interferometer Based on Tapered Hollow Optical Fiber. <i>IEEE Photonics Technology Letters</i> , 2015 , 27, 1277-1280	2.2	18
143	Superhydrophobic SERS Substrates Based on Silver-Coated Reduced Graphene Oxide Gratings Prepared by Two-Beam Laser Interference. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27059-65	9.5	33
142	Ultrafast optical spectroscopy of surface-modified silicon quantum dots: unraveling the underlying mechanism of the ultrabright and color-tunable photoluminescence. <i>Light: Science and Applications</i> , 2015 , 4, e245-e245	16.7	76
141	SERS-Enabled Lab-on-a-Chip Systems. <i>Advanced Optical Materials</i> , 2015 , 3, 618-633	8.1	72
140	Graphene: Moisture-Responsive Graphene Paper Prepared by Self-Controlled Photoreduction (Adv. Mater. 2/2015). <i>Advanced Materials</i> , 2015 , 27, 190-190	24	
139	Measurement of Two-Photon Absorption Cross Section of Metal Ions by a Mass Sedimentation Approach. <i>Scientific Reports</i> , 2015 , 5, 17712	4.9	7
138	Surface plasmon-polariton mediated red emission from organic light-emitting devices based on metallic electrodes integrated with dual-periodic corrugation. <i>Scientific Reports</i> , 2014 , 4, 7108	4.9	30
137	Functional organic single crystals for solid-state laser applications. <i>Laser and Photonics Reviews</i> , 2014 , 8, 687-715	8.3	132
136	Unraveling Charge Separation and Transport Mechanisms in Aqueous-Processed Polymer/CdTe Nanocrystal Hybrid Solar Cells. <i>Advanced Energy Materials</i> , 2014 , 4, 1301882	21.8	32
135	Miniature End-Capped Fiber Sensor for Refractive Index and Temperature Measurement. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 7-10	2.2	49
134	Photoreduction of Graphene Oxides: Methods, Properties, and Applications. <i>Advanced Optical Materials</i> , 2014 , 2, 10-28	8.1	191
133	Role of hydrogen in the growth of boron nitride: Cubic phase versus hexagonal phase. <i>Computational Materials Science</i> , 2014 , 82, 310-313	3.2	3
132	Bioinspired Fabrication of Superhydrophobic Graphene Films by Two-Beam Laser Interference. <i>Advanced Functional Materials</i> , 2014 , 24, 4595-4602	15.6	100
131	Eliminating Angular Dispersion in Microcavity by Employing Metamaterials With Hyperbolic Dispersion as Reflectors. <i>IEEE Journal of Quantum Electronics</i> , 2014 , 50, 348-353	2	0
130	Role of the nano amorphous interface in the crystallization of Sb ₂ Te ₃ towards non-volatile phase change memory: insights from first principles. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 10810-5	3.6	21
129	Dynamic laser prototyping for biomimetic nanofabrication. <i>Laser and Photonics Reviews</i> , 2014 , 8, 882-888	8.3	21
128	Highly Stable On-Chip Embedded Organic Whispering Gallery Mode Lasers. <i>Journal of Lightwave Technology</i> , 2014 , 32, 2415-2419	4	20
127	One order of magnitude faster phase change at reduced power in Ti-Sb-Te. <i>Nature Communications</i> , 2014 , 5, 4086	17.4	158

126	Rapid production of large-area deep sub-wavelength hybrid structures by femtosecond laser light-field tailoring. <i>Applied Physics Letters</i> , 2014 , 104, 031904	3.4	22
125	Laser-Mediated Programmable N Doping and Simultaneous Reduction of Graphene Oxides. <i>Advanced Optical Materials</i> , 2014 , 2, 120-125	8.1	54
124	Electron Extraction Dynamics in CdSe and CdSe/CdS/ZnS Quantum Dots Adsorbed with Methyl Viologen. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 17240-17246	3.8	33
123	One-pot preparation of novel asymmetric structure nanoparticles and its application in catalysis. <i>RSC Advances</i> , 2014 , 4, 43586-43589	3.7	7
122	Arbitrary Shape Designable Microscale Organic Light-Emitting Devices by Using Femtosecond Laser Reduced Graphene Oxide as a Patterned Electrode. <i>ACS Photonics</i> , 2014 , 1, 690-695	6.3	36
121	Understanding phase-change behaviors of carbon-doped Ge ₂ Sb ₂ Te ₅ for phase-change memory application. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 14207-14	9.5	92
120	Surface modification of nanostructured ZnS by femtosecond laser pulsing. <i>Applied Surface Science</i> , 2014 , 293, 332-335	6.7	8
119	Slide fastener reduction of graphene-oxide edges by calcium: insight from ab initio molecular dynamics. <i>ChemPhysChem</i> , 2014 , 15, 2707-11	3.2	2
118	Protein-based soft micro-optics fabricated by femtosecond laser direct writing. <i>Light: Science and Applications</i> , 2014 , 3, e129-e129	16.7	105
117	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). <i>Advanced Functional Materials</i> , 2014 , 24, 7066-7066	15.6	10
116	Fabrication and Characterization of Organic Single Crystal-Based Light-Emitting Devices with Improved Contact Between the Metallic Electrodes and Crystal. <i>Advanced Functional Materials</i> , 2014 , 24, n/a-n/a	15.6	19
115	First-principles calculations of a robust two-dimensional boron honeycomb sandwiching a triangular molybdenum layer. <i>Physical Review B</i> , 2014 , 90,	3.3	59
114	Biomimetics: Bioinspired Fabrication of Superhydrophobic Graphene Films by Two-Beam Laser Interference (Adv. Funct. Mater. 29/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 4720-4720	15.6	5
113	Point-by-Point Dip Coated Long-Period Gratings in Microfibers. <i>IEEE Photonics Technology Letters</i> , 2014 , 26, 2503-2506	2.2	9
112	Fabrication of photopolymer hierarchical micronanostructures by coupling electrospinning and photolithography for SERS substrates. <i>Macromolecular Research</i> , 2013 , 21, 306-310	1.9	9
111	Light trapping schemes in organic solar cells: A comparison between optical Tamm states and Fabry-Pérot cavity modes. <i>Organic Electronics</i> , 2013 , 14, 1577-1585	3.5	21
110	Multifunctional superparamagnetic iron oxide nanoparticles: design, synthesis and biomedical photonic applications. <i>Nanoscale</i> , 2013 , 5, 7664-84	7.7	164
109	Evidence of concerted inversion for the photon-induced molecular switching of azobenzene using rotation-free azobenzene derivatives. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 5244	7.1	6

108	A Highly Sensitive Temperature Sensor Based on a Liquid-Sealed S-Tapered Fiber. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 829-832	2.2	26
107	On-Chip Catalytic Microreactors for Modern Catalysis Research. <i>ChemCatChem</i> , 2013 , 5, 2091-2099	5.2	40
106	Crystalline liquid and rubber-like behavior in Cu nanowires. <i>Nano Letters</i> , 2013 , 13, 3812-6	11.5	39
105	Matching Photocurrents of Sub-cells in Double-Junction Organic Solar Cells via Coupling Between Surface Plasmon Polaritons and Microcavity Modes. <i>Advanced Optical Materials</i> , 2013 , 1, 809-813	8.1	33
104	Theoretical characterization of reduction dynamics for graphene oxide by alkaline-earth metals. <i>Carbon</i> , 2013 , 52, 122-127	10.4	24
103	Rapid Fabrication of Large-Area Periodic Structures by Multiple Exposure of Two-Beam Interference. <i>Journal of Lightwave Technology</i> , 2013 , 31, 276-281	4	16
102	Anti-reflection resonance in distributed Bragg reflectors-based ultrathin highly absorbing dielectric and its application in solar cells. <i>Applied Physics Letters</i> , 2013 , 102, 103901	3.4	30
101	Two-dimensional transition metal honeycomb realized: Hf on Ir(111). <i>Nano Letters</i> , 2013 , 13, 4671-4	11.5	89
100	Direct observation of quantum-confined graphene-like states and novel hybrid states in graphene oxide by transient spectroscopy. <i>Advanced Materials</i> , 2013 , 25, 6539-45	24	62
99	Mechanical stretch for tunable wetting from topological PDMS film. <i>Soft Matter</i> , 2013 , 9, 4236	3.6	31
98	Compact Long-Period Fiber Gratings Based on Periodic Microchannels. <i>IEEE Photonics Technology Letters</i> , 2013 , 25, 111-114	2.2	14
97	Reflective Optical Fiber Sensors Based on Tilted Fiber Bragg Gratings Fabricated With Femtosecond Laser. <i>Journal of Lightwave Technology</i> , 2013 , 31, 455-460	4	38
96	Strongly Localized Evanescent Optical Tamm States at Metal-DBR Interface. <i>Journal of Lightwave Technology</i> , 2013 , 31, 1654-1659	4	9
95	Programmable assembly of CdTe quantum dots into microstructures by femtosecond laser direct writing. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4699	7.1	22
94	Whispering-gallery mode lasing from patterned molecular single-crystalline microcavity array. <i>Laser and Photonics Reviews</i> , 2013 , 7, 281-288	8.3	75
93	Deep electron traps and origin of p-type conductivity in the earth-abundant solar-cell material Cu ₂ ZnSnS ₄ . <i>Physical Review B</i> , 2013 , 87,	3.3	97
92	Unraveling Bright Molecule-Like State and Dark Intrinsic State in Green-Fluorescence Graphene Quantum Dots via Ultrafast Spectroscopy. <i>Advanced Optical Materials</i> , 2013 , 1, 264-271	8.1	122
91	Precise measurement of weak strain by second-harmonic generation from silicon (111) surface. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 1200	1.7	1

90	Spectral engineering by flexible tunings of optical Tamm states and Fabry-Perot cavity resonance. <i>Optics Letters</i> , 2013 , 38, 4382-5	3	22
89	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). <i>Advanced Optical Materials</i> , 2013 , 1, 55-55	8.1	
88	Regular arrays of triangular-microstructure formed on silicon (111) surface via ultrafast laser irradiation in KOH solution. <i>Surface and Interface Analysis</i> , 2013 , 45, 1667-1672	1.5	
87	Silver-Coated Rose Petal: Green, Facile, Low-Cost and Sustainable Fabrication of a SERS Substrate with Unique Superhydrophobicity and High Efficiency. <i>Advanced Optical Materials</i> , 2013 , 1, 56-60	8.1	89
86	Time-Resolved Spectroscopic Study of the Aggregation-Induced Emission Mechanism 2013 , 337-355		
85	Distributed Feedback Lasers Based on Thiophene/Phenylene Co-Oligomer Single Crystals. <i>Advanced Functional Materials</i> , 2012 , 22, 33-38	15.6	70
84	Organic Single Crystalline Lasers: Distributed Feedback Lasers Based on Thiophene/Phenylene Co-Oligomer Single Crystals (Adv. Funct. Mater. 1/2012). <i>Advanced Functional Materials</i> , 2012 , 22, 32-32	15.6	1
83	Solving efficiency-stability tradeoff in top-emitting organic light-emitting devices by employing periodically corrugated metallic cathode. <i>Advanced Materials</i> , 2012 , 24, 1187-91	24	82
82	FDTD Study on the Invisibility Performance of Two-Dimensional Cylindrical Cloak With Off-Plane Incidence. <i>Journal of Lightwave Technology</i> , 2012 , 30, 1835-1842	4	5
81	The atomic and electronic structure of amorphous BP4. <i>Journal of Alloys and Compounds</i> , 2012 , 545, 144-147	5.7	4
80	Enhanced efficiency of organic light-emitting devices with metallic electrodes by integrating periodically corrugated structure. <i>Applied Physics Letters</i> , 2012 , 100, 053304	3.4	45
79	Surface-plasmon enhanced absorption in organic solar cells by employing a periodically corrugated metallic electrode. <i>Applied Physics Letters</i> , 2012 , 101, 163303	3.4	48
78	Flexible lasers based on the microstructured single-crystalline ultrathin films. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24139		22
77	Compact Long-Period Fiber Gratings With Resonance at Second-Order Diffraction. <i>IEEE Photonics Technology Letters</i> , 2012 , 24, 1393-1395	2.2	34
76	Top down fabrication of organic nanocrystals by femtosecond laser induced transfer method. <i>CrystEngComm</i> , 2012 , 14, 4596	3.3	4
75	Magnetic/upconversion luminescent mesoparticles of Fe ₃ O ₄ @LaF ₃ :Yb ³⁺ , Er ³⁺ for dual-modal bioimaging. <i>Chemical Communications</i> , 2012 , 48, 11238-40	5.8	48
74	Distributed feedback lasing from thin organic crystal based on active waveguide grating structures. <i>Organic Electronics</i> , 2012 , 13, 1602-1605	3.5	12
73	Truncated Lorch-window method revealing the off-octahedral Ge in nanocrystalline Ge ₂ Sb ₂ Te ₅ . <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 1914-1918	1.3	2

72	Role of electronic excitation in phase-change memory materials: A brief review. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 1861-1866	1.3	29
71	Recent developments in superhydrophobic surfaces with unique structural and functional properties. <i>Soft Matter</i> , 2012 , 8, 11217	3.6	295
70	Biomimetic graphene films and their properties. <i>Nanoscale</i> , 2012 , 4, 4858-69	7.7	81
69	A light-driven turbine-like micro-rotor and study on its light-to-mechanical power conversion efficiency. <i>Applied Physics Letters</i> , 2012 , 101, 113901	3.4	30
68	High-performance magnetic antimicrobial Janus nanorods decorated with Ag nanoparticles. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23741		35
67	Novel Zn-doped SnO ₂ hierarchical architectures: synthesis, characterization, and gas sensing properties. <i>CrystEngComm</i> , 2012 , 14, 1701-1708	3.3	59
66	S-Tapered Fiber Sensors for Highly Sensitive Measurement of Refractive Index and Axial Strain. <i>Journal of Lightwave Technology</i> , 2012 , 30, 3126-3132	4	66
65	Bandgap Tailoring and Synchronous Microdevices Patterning of Graphene Oxides. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 3594-3599	3.8	90
64	Liu et al. Reply:. <i>Physical Review Letters</i> , 2012 , 108,	7.4	1
63	Universal Electron Injection Dynamics at Nanointerfaces in Dye-Sensitized Solar Cells. <i>Advanced Functional Materials</i> , 2012 , 22, 2783-2791	15.6	23
62	Two-beam-laser interference mediated reduction, patterning and nanostructuring of graphene oxide for the production of a flexible humidity sensing device. <i>Carbon</i> , 2012 , 50, 1667-1673	10.4	251
61	Highly flexible inverted organic solar cells with improved performance by using an ultrasmooth Ag cathode. <i>Applied Physics Letters</i> , 2012 , 101, 133303	3.4	18
60	Optical Tamm states enhanced broad-band absorption of organic solar cells. <i>Applied Physics Letters</i> , 2012 , 101, 243901	3.4	88
59	Anomalous Electro-Optic Effect in Polar Liquid Films. <i>IEEE Journal of Quantum Electronics</i> , 2012 , 48, 1310-1313		1
58	Improved Performance of ITO-Free Organic Solar Cells Using a Low-Workfunction and Periodically Corrugated Metallic Cathode. <i>IEEE Photonics Journal</i> , 2012 , 4, 1737-1743	1.8	5
57	Magnetic-mesoporous Janus nanoparticles. <i>Chemical Communications</i> , 2011 , 47, 1225-7	5.8	99
56	Monitoring Thermal Effect in Femtosecond Laser Interaction With Glass by Fiber Bragg Grating. <i>Journal of Lightwave Technology</i> , 2011 , 29, 2126-2130	4	31
55	Grating amplitude effect on electroluminescence enhancement of corrugated organic light-emitting devices. <i>Optics Letters</i> , 2011 , 36, 3915-7	3	40

54	Tapered and Tip-Grounded Waveguide Electrooptical Microsensors. <i>IEEE Photonics Journal</i> , 2011 , 3, 57-68	2	88
53	Strain at Native $\text{SiO}_2/\text{Si}(111)$ Interface Characterized by Strain-Scanning Second-Harmonic Generation. <i>IEEE Journal of Quantum Electronics</i> , 2011 , 47, 55-59	2	5
52	Role of Fe_3O_4 as a p-Dopant in Improving the Hole Injection and Transport of Organic Light-Emitting Devices. <i>IEEE Journal of Quantum Electronics</i> , 2011 , 47, 591-596	2	12
51	Excited State Dynamics of 2-MPT-Derived Fluorescent Molecular Switches. <i>IEEE Journal of Quantum Electronics</i> , 2011 , 47, 1163-1170	2	
50	Three-Level Biomimetic Rice-Leaf Surfaces with Controllable Anisotropic Sliding. <i>Advanced Functional Materials</i> , 2011 , 21, 2927-2932	15.6	208
49	Curvature-driven reversible in situ switching between pinned and roll-down superhydrophobic States for water droplet transportation. <i>Advanced Materials</i> , 2011 , 23, 545-9	24	236
48	Hybrid-State Dynamics of Gold Nanorods/Dye J-Aggregates under Strong Coupling. <i>Angewandte Chemie</i> , 2011 , 123, 7970-7974	3.6	32
47	Magnetic colloidosomes fabricated by $\text{Fe}_3\text{O}_4/\text{BiO}_2$ hetero-nanorods. <i>Soft Matter</i> , 2011 , 7, 7375	3.6	39
46	New structural picture of the $\text{Ge}_2\text{Sb}_2\text{Te}_5$ phase-change alloy. <i>Physical Review Letters</i> , 2011 , 106, 025501	7.4	64
45	Role of electronic excitation in the amorphization of Ge-Sb-Te alloys. <i>Physical Review Letters</i> , 2011 , 107, 015501	7.4	86
44	Surface plasmon enhanced absorption dynamics of regioregular poly(3-hexylthiophene). <i>Applied Physics Letters</i> , 2011 , 98, 251501	3.4	19
43	Electronic Excitation Induced Solid-State Amorphization in Ge-Sb-Te Alloy. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1370, 77		
42	High numerical aperture microlens arrays of close packing. <i>Applied Physics Letters</i> , 2010 , 97, 031109	3.4	121
41	Polarization dependent two-photon properties in an organic crystal. <i>Applied Physics Letters</i> , 2010 , 97, 101101	3.4	20
40	A simple strategy to realize biomimetic surfaces with controlled anisotropic wetting. <i>Applied Physics Letters</i> , 2010 , 96, 053704	3.4	44
39	A facile approach for artificial biomimetic surfaces with both superhydrophobicity and iridescence. <i>Soft Matter</i> , 2010 , 6, 263-267	3.6	69
38	Impurity doping in SiO_2 : Formation energies and defect levels from first-principles calculations. <i>Physical Review B</i> , 2010 , 82,	3.3	31
37	Amplified spontaneous emission in the cyano-substituted oligo(p-phenylenevinylene) organic crystals: Effect of excitation wavelength. <i>Applied Physics Letters</i> , 2010 , 96, 103508	3.4	20

36	Study of Electron-Phonon Coupling Dynamics in Au Nanorods by Transient Depolarization Measurements. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 2913-2917	3.8	35
35	Surface-enhanced Raman scattering substrates of high-density and high-homogeneity hot spots by magneto-metal nanoprobe assembling. <i>Optics Letters</i> , 2010 , 35, 3297-9	3	23
34	High performance magnetically controllable microturbines. <i>Lab on A Chip</i> , 2010 , 10, 2902-5	7.2	76
33	Two-Photon Absorption and Spectral-Narrowed Light Source. <i>IEEE Journal of Quantum Electronics</i> , 2010 , 46, 1775-1781	2	10
32	Ferrofluids for fabrication of remotely controllable micro-nanomachines by two-photon polymerization. <i>Advanced Materials</i> , 2010 , 22, 3204-7	24	178
31	Direct imprinting of microcircuits on graphene oxides film by femtosecond laser reduction. <i>Nano Today</i> , 2010 , 5, 15-20	17.9	393
30	Designable 3D nanofabrication by femtosecond laser direct writing. <i>Nano Today</i> , 2010 , 5, 435-448	17.9	377
29	Photonic quasicrystals exhibit zero-transmission regions due to translational arrangement of constituent parts. <i>Physical Review B</i> , 2009 , 79,	3.3	21
28	Self-organization of polymer nanoneedles into large-area ordered flowerlike arrays. <i>Applied Physics Letters</i> , 2009 , 95, 091902	3.4	31
27	Three-dimensional micronanofabrication via two-photon-excited photoisomerization. <i>Applied Physics Letters</i> , 2009 , 95, 083118	3.4	10
26	Improved hole injection and transport of organic light-emitting devices with an efficient p-doped hole-injection layer. <i>Applied Physics Letters</i> , 2009 , 95, 263303	3.4	12
25	Two-photon induced amplified spontaneous emission from needlelike triphenylamine-containing derivative crystals with low threshold. <i>Applied Physics Letters</i> , 2009 , 94, 201113	3.4	39
24	Band-Gap-Controllable Photonic Crystals Consisting of Magnetic Nanocrystal Clusters in a Solidified Polymer Matrix. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 18542-18545	3.8	30
23	Remote manipulation of micronanomachines containing magnetic nanoparticles. <i>Optics Letters</i> , 2009 , 34, 581-3	3	74
22	100% Fill-Factor Aspheric Microlens Arrays (AMLA) With Sub-20-nm Precision. <i>IEEE Photonics Technology Letters</i> , 2009 , 21, 1535-1537	2.2	48
21	Hydrogen in ZnO revisited: Bond center versus antibonding site. <i>Physical Review B</i> , 2008 , 78,	3.3	34
20	Giant elasticity of photopolymer nanowires. <i>Applied Physics Letters</i> , 2007 , 91, 063112	3.4	30
19	Two-Photon Photopolymerization and 3D Lithographic Microfabrication. <i>Advances in Polymer Science</i> , 2006 , 169-273	1.3	202

18	Direct laser writing defects in holographic lithography-created photonic lattices. <i>Optics Letters</i> , 2005 , 30, 881-3	3	22
17	Creation of a Micro-Nanoworld with Photons. <i>Seikei-Kakou</i> , 2005 , 17, 524-527	0	
16	TWO-PHOTON ABSORBING PHENYLENEVINYLENE DERIVATIVE HAVING SILYLOXY MOIETIES IN DONOR UNITS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2004 , 13, 467-474	0.8	5
15	Lithographic Microfabrication by Using Two-Photon Absorbing Phenylenevinylene Derivative. <i>Molecular Crystals and Liquid Crystals</i> , 2004 , 424, 35-41	0.5	13
14	Recent Progress of Lithographic Microfabrication by the TPA-Induced Photopolymerization. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2004 , 17, 385-392	0.7	14
13	Two-photon laser precision microfabrication and its applications to micro-nano devices and systems. <i>Journal of Lightwave Technology</i> , 2003 , 21, 624-633	4	93
12	Two-Photon Laser Micro-Nano Fabrication; Understanding from Single-Voxel Level. <i>Materials Research Society Symposia Proceedings</i> , 2002 , 758, 461		
11	Three-dimensional focal spots related to two-photon excitation. <i>Applied Physics Letters</i> , 2002 , 80, 3673-3675	3.4	145
10	Rapid sub-diffraction-limit laser micro/nanoprocessing in a threshold material system. <i>Applied Physics Letters</i> , 2002 , 80, 312-314	3.4	171
9	Finer features for functional microdevices. <i>Nature</i> , 2001 , 412, 697-8	50.4	2170
8	Two-photon photopolymerization and diagnosis of three-dimensional microstructures containing fluorescent dyes. <i>Applied Physics Letters</i> , 2001 , 79, 1411-1413	3.4	82
7	Elastic force analysis of functional polymer submicron oscillators. <i>Applied Physics Letters</i> , 2001 , 79, 3173-3175	3.4	106
6	Growth and property characterizations of photonic crystal structures consisting of colloidal microparticles. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2000 , 17, 476	1.7	15
5	Micro/nanofabrication of two and three dimensional structures by two-photon polymerization		1
4	Stretchable Organic Light-Emitting Devices with Invisible Orderly Wrinkles by using a Transfer-Free Technique. <i>Advanced Materials Technologies</i> , 2101263	6.8	1
3	Free-Form Micro-Optics Out of Crystals: Femtosecond Laser 3D Sculpturing. <i>Advanced Functional Materials</i> , 2200255	15.6	2
2	Exceptional point protected robust on-chip optical logic gates. <i>Exploration</i> , 20210243		0
1	Curved Photodetectors Based on Perovskite Microwire Arrays via In Situ Conformal Nanoimprinting. <i>Advanced Functional Materials</i> , 2202277	15.6	5

