

# L Jay Guo

## List of Publications by Year in Descending Order

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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.

271  
papers

13,159  
citations

61  
h-index

107  
g-index

319  
ext. papers

15,014  
ext. citations

7.7  
avg, IF

6.95  
L-index

#	Paper	IF	Citations
271	Benchmarking deep learning-based models on nanophotonic inverse design problems <b>2022</b> , 1, 210012-210012		7
270	Application of patterned sapphire substrate for III-nitride light-emitting diodes.. <i>Nanoscale</i> , <b>2022</b> ,	7.7	7
269	High-Performance Transparent Broadband Microwave Absorbers. <i>Advanced Materials Interfaces</i> , <b>2022</b> , 9, 2101714	4.6	1
268	NEUTRON: Neural Particle Swarm Optimization for Material-Aware Inverse Design of Structural Color. <i>IScience</i> , <b>2022</b> , 104339	6.1	1
267	Demonstration of the one-step continuous fabrication of flexible polymer ridge waveguides via nanochannel-guided lithography. <i>Journal of Industrial and Engineering Chemistry</i> , <b>2021</b> , 95, 286-291	6.3	
266	Compact Stereo Waveguide Display Based on a Unidirectional Polarization-Multiplexed Metagrating In-Coupler. <i>ACS Photonics</i> , <b>2021</b> , 8, 1112-1119	6.3	7
265	23-4: Ultrathin Foldable Organic Light-Emitting Diodes with High Efficiency. <i>Digest of Technical Papers SID International Symposium</i> , <b>2021</b> , 52, 289-292	0.5	0
264	P-102: Flexible Transparent Organic Light-Emitting Diodes with Suppressed Waveguide Modes. <i>Digest of Technical Papers SID International Symposium</i> , <b>2021</b> , 52, 1462-1465	0.5	
263	Tackling light trapping in organic light-emitting diodes by complete elimination of waveguide modes. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	5
262	Inverse design of metasurface optical filters using deep neural network with high degrees of freedom. <i>Information Materials</i> , <b>2021</b> , 3, 432-442	23.1	15
261	Thin-Metal-Film-Based Transparent Conductors: Material Preparation, Optical Design, and Device Applications. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2001298	8.1	21
260	Polarization-controlled efficient and unidirectional surface plasmon polariton excitation enabled by metagratings in a generalized Kretschmann configuration. <i>Optics Express</i> , <b>2021</b> , 29, 3659-3668	3.3	2
259	Automated multi-layer optical design via deep reinforcement learning. <i>Machine Learning: Science and Technology</i> , <b>2021</b> , 2, 025013	5.1	17
258	Low-Temperature Oxide/Metal/Oxide Multilayer Films as Highly Transparent Conductive Electrodes for Optoelectronic Devices. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 6553-6561	6.1	4
257	Size-Selective Sub-micrometer-Particle Confinement Utilizing Ionic Entropy-Directed Trapping in Inscribed Nanovoid Patterns. <i>ACS Nano</i> , <b>2021</b> , 15, 14185-14192	16.7	1
256	Broad-Spectrum Ultrathin-Metal-Based Oxide/Metal/Oxide Transparent Conductive Films for Optoelectronic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> ,	9.5	2
255	Transparent Colored Display Enabled by Flat Glass Waveguide and Nanoimprinted Multilayer Gratings. <i>ACS Photonics</i> , <b>2020</b> , 7, 1418-1424	6.3	2

254	Ultrathin-metal-film-based transparent electrodes with relative transmittance surpassing 100. <i>Nature Communications</i> , <b>2020</b> , 11, 3367	17.4	42
253	Enhanced light outcoupling from OLEDs by suppressing guided modes formation using an ultrathin flexible transparent conductor <b>2020</b> ,		1
252	Holographic Sampling Display Based on Metagratings. <i>IScience</i> , <b>2020</b> , 23, 100773	6.1	15
251	Boosted ultraviolet electroluminescence of InGaN/AlGaN quantum structures grown on high-index contrast patterned sapphire with silica array. <i>Nano Energy</i> , <b>2020</b> , 69, 104427	17.1	83
250	Origin of Gouy Phase Shift Identified by Laser-Generated Focused Ultrasound. <i>ACS Photonics</i> , <b>2020</b> , 7, 3236-3245	6.3	2
249	P-185: Flexible Organic Light-Emitting Diodes with Improved Outcoupling Efficiency. <i>Digest of Technical Papers SID International Symposium</i> , <b>2020</b> , 51, 2071-2074	0.5	0
248	High-Energy Photon Spectroscopy Using All Solution-Processed Heterojunctioned Surface-Modified Perovskite Single Crystals. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 33399-33408	9.5	6
247	Waveguide Grating Color Reflector Using Germanium Telluride <b>2019</b> ,		2
246	Plasmonic roller lithography. <i>Nanotechnology</i> , <b>2019</b> , 30, 105202	3.4	1
245	Highly Transparent and Broadband Electromagnetic Interference Shielding Based on Ultrathin Doped Ag and Conducting Oxides Hybrid Film Structures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 11782-11791	9.5	45
244	Vivid-colored silicon solar panels with high efficiency and non-iridescent appearance. <i>Nanoscale Horizons</i> , <b>2019</b> , 4, 874-880	10.8	24
243	New Strategy to Overcome the Instability That Could Speed up the Commercialization of Perovskite Solar Cells. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900134	4.6	9
242	Transparent Perfect Microwave Absorber Employing Asymmetric Resonance Cavity. <i>Advanced Science</i> , <b>2019</b> , 6, 1901320	13.6	22
241	Enhanced Light Utilization in Semitransparent Organic Photovoltaics Using an Optical Outcoupling Architecture. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903173	24	64
240	Electrodeposition of Large Area, Angle-Insensitive Multilayered Structural Colors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 29065-29071	9.5	11
239	High-Performance Large-Scale Flexible Optoelectronics Using Ultrathin Silver Films with Tunable Properties. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 27216-27225	9.5	22
238	Enhancing the Purity of Reflective Structural Colors with Ultrathin Bilayer Media as Effective Ideal Absorbers. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900739	8.1	22
237	High-color-purity, angle-invariant, and bidirectional structural colors based on higher-order resonances. <i>Optics Letters</i> , <b>2019</b> , 44, 86-89	3	14

236	Super-resolution photolithography using dielectric photonic crystal. <i>Optics Letters</i> , <b>2019</b> , 44, 1182-1185	3	3
235	Surface-Emitting Surface Plasmon Polariton Laser in a Second-Order Distributed Feedback Defect Cavity. <i>ACS Photonics</i> , <b>2019</b> , 6, 612-619	6.3	3
234	Ultrahigh Q Polymer Microring Resonators for Biosensing Applications. <i>IEEE Photonics Journal</i> , <b>2019</b> , 11, 1-10	1.8	17
233	A Reconfigurable Color Reflector by Selective Phase Change of GeTe in a Multilayer Structure. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801214	8.1	26
232	Decorative near-infrared transmission filters featuring high-efficiency and angular-insensitivity employing 1D photonic crystals. <i>Nano Research</i> , <b>2019</b> , 12, 543-548	10	13
231	Enhancing the Efficiencies of Organic Photovoltaic and Organic Light-Emitting Diode Devices by Regular Nano-Wrinkle Patterns. <i>Journal of Shanghai Jiaotong University (Science)</i> , <b>2018</b> , 23, 45-51	0.6	5
230	Polymer Nanomaterial Composites for Optoacoustic Conversion <b>2018</b> , 519-546		2
229	Controlled synthesis of brightly fluorescent CHNHPbBr perovskite nanocrystals employing Pb(CHCOO) as the sole lead source.. <i>RSC Advances</i> , <b>2018</b> , 8, 1132-1139	3.7	5
228	Robust Extraction of Hyperbolic Metamaterial Permittivity using Total Internal Reflection Ellipsometry. <i>ACS Photonics</i> , <b>2018</b> , 5,	6.3	20
227	Effects of edge inclination angles on whispering-gallery modes in printable wedge microdisk lasers. <i>Optics Express</i> , <b>2018</b> , 26, 233-241	3.3	13
226	Demonstration of versatile whispering-gallery micro-lasers for remote refractive index sensing. <i>Optics Express</i> , <b>2018</b> , 26, 5800-5809	3.3	12
225	Efficient Photoacoustic Conversion in Optical Nanomaterials and Composites. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800491	8.1	34
224	Planar Metasurfaces Enable High-Efficiency Colored Perovskite Solar Cells. <i>Advanced Science</i> , <b>2018</b> , 5, 1800836	13.6	24
223	Visualizing Mie Resonances in Low-Index Dielectric Nanoparticles. <i>Physical Review Letters</i> , <b>2018</b> , 120, 253902	7.4	18
222	Modulation of the effective density and refractive index of carbon nanotube forests via nanoimprint lithography. <i>Carbon</i> , <b>2018</b> , 129, 8-14	10.4	13
221	Achieving pattern uniformity in plasmonic lithography by spatial frequency selection. <i>Nanophotonics</i> , <b>2018</b> , 7, 277-286	6.3	14
220	Feasibility Analysis of Nanostructured Planar Focusing Collectors for Concentrating Solar Power Applications. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 6927-6935	6.1	2
219	Sustainable p-type copper selenide solar material with ultra-large absorption coefficient. <i>Chemical Science</i> , <b>2018</b> , 9, 5405-5414	9.4	13

218	An ultra-fast optical shutter exploiting total light absorption in a phase change material <b>2017</b> ,		7
217	Selective Photomechanical Detachment and Retrieval of Divided Sister Cells from Enclosed Microfluidics for Downstream Analyses. <i>ACS Nano</i> , <b>2017</b> , 11, 4660-4668	16.7	18
216	Air-coupled ultrasound detection using capillary-based optical ring resonators. <i>Scientific Reports</i> , <b>2017</b> , 7, 109	4.9	29
215	Effect of the charge balance on high-efficiency inverted polymer light-emitting diodes. <i>Organic Electronics</i> , <b>2017</b> , 49, 123-128	3.5	7
214	Improving the Radiative Efficiency of InGaN Quantum Dots via an Open Top Cavity. <i>ACS Photonics</i> , <b>2017</b> , 4, 795-799	6.3	8
213	Performance analyses of plasmonic lithography <b>2017</b> ,		1
212	Fabrication of contact lens containing high-performance wire grid polarizer. <i>Polymer International</i> , <b>2017</b> , 66, 1269-1274	3.3	2
211	High-Performance Doped Silver Films: Overcoming Fundamental Material Limits for Nanophotonic Applications. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605177	24	64
210	Plasmonic Lithography Utilizing Epsilon Near Zero Hyperbolic Metamaterial. <i>ACS Nano</i> , <b>2017</b> , 11, 9863-9868	8.8	21
209	Comparative study of GaN-based ultraviolet LEDs grown on different-sized patterned sapphire substrates with sputtered AlN nucleation layer. <i>Japanese Journal of Applied Physics</i> , <b>2017</b> , 56, 111001	1.4	26
208	5-nm LiF as an Efficient Cathode Buffer Layer in Polymer Solar Cells Through Simply Introducing a C Interlayer. <i>Nanoscale Research Letters</i> , <b>2017</b> , 12, 543	5	9
207	Engineering Light at the Nanoscale: Structural Color Filters and Broadband Perfect Absorbers. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1700368	8.1	113
206	Scalable Solution-processed Fabrication Strategy for High-performance, Flexible, Transparent Electrodes with Embedded Metal Mesh. <i>Journal of Visualized Experiments</i> , <b>2017</b> ,	1.6	1
205	Laser-Induced Focused Ultrasound for Cavitation Treatment: Toward High-Precision Invisible Sonic Scalpel. <i>Small</i> , <b>2017</b> , 13, 1701555	11	30
204	On-chip, high-sensitivity temperature sensors based on dye-doped solid-state polymer microring lasers. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 061109	3.4	22
203	Semitransparent and Flexible Mechanically Reconfigurable Electrically Small Antennas Based on Tortuous Metallic Micromesh. <i>IEEE Transactions on Antennas and Propagation</i> , <b>2017</b> , 65, 150-158	4.9	38
202	Highly Efficient Photoacoustic Conversion by Facilitated Heat Transfer in Ultrathin Metal Film Sandwiched by Polymer Layers. <i>Advanced Optical Materials</i> , <b>2017</b> , 5, 1600421	8.1	21
201	Subwavelength nanocavity for flexible structural transmissive color generation with wide viewing angle: publisher's note. <i>Optica</i> , <b>2017</b> , 4, 345	8.6	

200	Printed Large-area Flat Optical Component: Metasurfaces for Cylindrical Vector Beam Generation <b>2017</b> ,		2
199	Breaking Malus Law: Highly efficient, broadband, and angular robust asymmetric light transmitting metasurface. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 791-798	8.3	29
198	Angle Robust Reflection/Transmission Plasmonic Filters Using Ultrathin Metal Patch Array. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1981-1986	8.1	38
197	Light Coupling Engineering of a Double-Pinhole Nanoresonator. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2016</b> , 16, 8130-8134	1.3	
196	Out-coupling of Longitudinal Photoacoustic Pulses by Mitigating the Phase Cancellation. <i>Scientific Reports</i> , <b>2016</b> , 6, 21511	4.9	10
195	Fast Flexible Transistors with a Nanotrench Structure. <i>Scientific Reports</i> , <b>2016</b> , 6, 24771	4.9	25
194	Neutral- and Multi-Colored Semitransparent Perovskite Solar Cells. <i>Molecules</i> , <b>2016</b> , 21, 475	4.8	46
193	Subwavelength nanocavity for flexible structural transmissive color generation with a wide viewing angle. <i>Optica</i> , <b>2016</b> , 3, 1489	8.6	26
192	Characterizing cellular morphology by photoacoustic spectrum analysis with an ultra-broadband optical ultrasonic detector. <i>Optics Express</i> , <b>2016</b> , 24, 19853-62	3.3	13
191	High-Performance Flexible Transparent Electrode with an Embedded Metal Mesh Fabricated by Cost-Effective Solution Process. <i>Small</i> , <b>2016</b> , 12, 3021-30	11	140
190	Efficient Thermal-Light Interconversions Based on Optical Topological Transition in the Metal-Dielectric Multilayered Metamaterials. <i>Advanced Materials</i> , <b>2016</b> , 28, 3017-23	24	30
189	Simple hydrothermal synthesis of very-long and thin silver nanowires and their application in high quality transparent electrodes. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11365-11371	13	105
188	Nanoimprint Lithography: Angle-Insensitive and CMOS-Compatible Subwavelength Color Printing (Advanced Optical Materials 11/2016). <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1695-1695	8.1	1
187	Wide-angle, polarization-independent ultrathin broadband visible absorbers. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 031107	3.4	52
186	Low f-number photoacoustic lens for tight ultrasonic focusing and free-field micro-cavitation in water. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 104102	3.4	24
185	RF beam transmission of x-band PAA system utilizing large-area, polymer-based true-time-delay module developed using imprinting and inkjet printing <b>2016</b> ,		1
184	Fast flexible thin-film transistors with deep submicron channel enabled by nanoimprint lithography <b>2016</b> ,		1
183	Compact Multilayer Film Structures for Ultrabroadband, Omnidirectional, and Efficient Absorption. <i>ACS Photonics</i> , <b>2016</b> , 3, 590-596	6.3	77

182	Large-Area High Aspect Ratio Plasmonic Interference Lithography Utilizing a Single High-k Mode. <i>ACS Nano</i> , <b>2016</b> , 10, 4039-45	16.7	45
181	Polarization rotation with ultra-thin bianisotropic metasurfaces. <i>Optica</i> , <b>2016</b> , 3, 427	8.6	57
180	Colored dual-functional photovoltaic cells. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 064003	1.7	11
179	Printed photonic elements: nanoimprinting and beyond. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 5133-5153	5.1	58
178	Angle-Insensitive and CMOS-Compatible Subwavelength Color Printing. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1696-1702	8.1	34
177	Nano-structural characteristics of carbon nanotube-polymer composite films for high-amplitude optoacoustic generation. <i>Nanoscale</i> , <b>2015</b> , 7, 14460-8	7.7	35
176	Colored, see-through perovskite solar cells employing an optical cavity. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 5377-5382	7.1	73
175	Optical enhancement effects of plasmonic nanostructures on organic photovoltaic cells. <i>Chinese Chemical Letters</i> , <b>2015</b> , 26, 419-425	8.1	10
174	Investigation of Printing-Based Graded Bulk-Heterojunction Organic Solar Cells. <i>Energy Technology</i> , <b>2015</b> , 3, 414-422	3.5	4
173	Printed Nanostructures for Organic Photovoltaic Cells and Solution-Processed Polymer Light-Emitting Diodes. <i>Energy Technology</i> , <b>2015</b> , 3, 340-350	3.5	20
172	Au nanostructure arrays for plasmonic applications: annealed island films versus nanoimprint lithography. <i>Nanoscale Research Letters</i> , <b>2015</b> , 10, 99	5	14
171	Top illuminated organic photodetectors with dielectric/metal/dielectric transparent anode. <i>Organic Electronics</i> , <b>2015</b> , 20, 103-111	3.5	24
170	Advanced Manufacturing Technology of Polymer Photovoltaic Cells. <i>Topics in Applied Physics</i> , <b>2015</b> , 349-373	3.5	3
169	High optical coupling efficiency quasi-vertical taper for polymer waveguide devices <b>2015</b> ,		2
168	Highly efficient and reliable high power LEDs with patterned sapphire substrate and strip-shaped distributed current blocking layer. <i>Applied Surface Science</i> , <b>2015</b> , 355, 1013-1019	6.7	61
167	Microcavity-Integrated Colored Semitransparent Hybrid Photovoltaics With Improved Efficiency and Color Purity. <i>IEEE Journal of Photovoltaics</i> , <b>2015</b> , 5, 1654-1658	3.7	11
166	. <i>Journal of Lightwave Technology</i> , <b>2015</b> , 33, 4318-4328	4	27
165	Highly stable and stretchable graphene/polymer processed silver nanowires hybrid electrodes for flexible displays. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 1528-1536	7.1	50

164	Visually tolerable tiling (VTT) for making a large-area flexible patterned surface. <i>Materials Horizons</i> , <b>2015</b> , 2, 86-90	14.4	17
163	All-optical photoacoustic microscopy. <i>Photoacoustics</i> , <b>2015</b> , 3, 143-150	9	41
162	Nozzle-Free Liquid Microjetting via Homogeneous Bubble Nucleation. <i>Physical Review Applied</i> , <b>2015</b> , 3,	4.3	21
161	Angular- and polarization-independent structural colors based on 1D photonic crystals. <i>Laser and Photonics Reviews</i> , <b>2015</b> , 9, 354-362	8.3	41
160	High-Performance Ta <sub>2</sub> O <sub>5</sub> /Al-Doped Ag Electrode for Resonant Light Harvesting in Efficient Organic Solar Cells. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1500768	21.8	57
159	Quasi-vertical tapers for polymer-waveguide-based interboard optical interconnects. <i>Photonics Research</i> , <b>2015</b> , 3, 317	6	14
158	Period reduction lithography in normal UV range with surface plasmon polaritons interference and hyperbolic metamaterial multilayer structure. <i>Applied Physics Express</i> , <b>2015</b> , 8, 062004	2.4	14
157	Review of Imprinted Polymer Microrings as Ultrasound Detectors: Design, Fabrication, and Characterization. <i>IEEE Sensors Journal</i> , <b>2015</b> , 15, 3241-3248	4	51
156	A step toward next-generation nanoimprint lithography: extending productivity and applicability. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 121, 343-356	2.6	39
155	Transparent and mechanically reconfigurable small antenna based on stretchable micromesh <b>2015</b> ,		1
154	High-Color-Purity Subtractive Color Filters with a Wide Viewing Angle Based on Plasmonic Perfect Absorbers. <i>Advanced Optical Materials</i> , <b>2015</b> , 3, 347-352	8.1	80
153	Organic photovoltaic cells: from performance improvement to manufacturing processes. <i>Small</i> , <b>2015</b> , 11, 2228-46	11	57
152	Decorative power generating panels creating angle insensitive transmissive colors. <i>Scientific Reports</i> , <b>2014</b> , 4, 4192	4.9	71
151	Transition from a spectrum filter to a polarizer in a metallic nano-slit array. <i>Scientific Reports</i> , <b>2014</b> , 4, 3614	4.9	31
150	Transparent and Flexible Polarization-Independent Microwave Broadband Absorber. <i>ACS Photonics</i> , <b>2014</b> , 1, 279-284	6.3	127
149	Efficient real-time detection of terahertz pulse radiation based on photoacoustic conversion by carbon nanotube nanocomposite. <i>Nature Photonics</i> , <b>2014</b> , 8, 537-542	33.9	66
148	ITO-Free, Compact, Color Liquid Crystal Devices Using Integrated Structural Color Filters and Graphene Electrodes. <i>Advanced Optical Materials</i> , <b>2014</b> , 2, 435-441	8.1	35
147	Continuous fabrication of scalable 2-dimensional (2D) micro- and nanostructures by sequential 1D mechanical patterning processes. <i>Nanoscale</i> , <b>2014</b> , 6, 14636-42	7.7	17



146	Controlled Generation of Single Microbubble at Solid Surfaces by a Nanosecond Pressure Pulse. <i>Physical Review Applied</i> , <b>2014</b> , 2,	4.3	15
145	Strong resonance effect in a lossy medium-based optical cavity for angle robust spectrum filters. <i>Advanced Materials</i> , <b>2014</b> , 26, 6324-8	24	85
144	Free-Standing Silicon Nan gratings for Extreme UV Rejection. <i>ACS Photonics</i> , <b>2014</b> , 1, 554-559	6.3	4
143	An ultrathin, smooth, and low-loss Al-doped Ag film and its application as a transparent electrode in organic photovoltaics. <i>Advanced Materials</i> , <b>2014</b> , 26, 5696-701	24	167
142	Multi-film roll transferring (MRT) process using highly conductive and solution-processed silver solution for fully solution-processed polymer solar cells. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 2764-2770	35.4	21
141	Experiment and Theory of the Broadband Absorption by a Tapered Hyperbolic Metamaterial Array. <i>ACS Photonics</i> , <b>2014</b> , 1, 618-624	6.3	170
140	High performance bianisotropic metasurfaces: asymmetric transmission of light. <i>Physical Review Letters</i> , <b>2014</b> , 113, 023902	7.4	259
139	Ultras smooth and thermally stable silver-based thin films with subnanometer roughness by aluminum doping. <i>ACS Nano</i> , <b>2014</b> , 8, 10343-51	16.7	104
138	Improved solar cell performance by adding ultra-thin Alq3 at the cathode interface. <i>Organic Electronics</i> , <b>2014</b> , 15, 2710-2714	3.5	8
137	All-optical scanhead for ultrasound and photoacoustic imaging-Imaging mode switching by dichroic filtering. <i>Photoacoustics</i> , <b>2014</b> , 2, 39-46	9	23
136	Colored ultrathin hybrid photovoltaics with high quantum efficiency. <i>Light: Science and Applications</i> , <b>2014</b> , 3, e215-e215	16.7	94
135	Reconfigurable Thermo-Optic Polymer Switch Based True-Time-Delay Network Utilizing Imprinting and Inkjet Printing <b>2014</b> ,		5
134	Efficient Real-time Detection of Terahertz Pulse Radiation by Listening to Photoacoustic Generation <b>2014</b> ,		2
133	Optical Simulation of Periodic Surface Texturing on Ultrathin Amorphous Silicon Solar Cells. <i>IEEE Journal of Photovoltaics</i> , <b>2014</b> , 4, 1337-1342	3.7	15
132	Ultrathin metal-semiconductor-metal resonator for angle invariant visible band transmission filters. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 231112	3.4	65
131	Ultrabroad Bandwidth and Highly Sensitive Optical Ultrasonic Detector for Photoacoustic Imaging. <i>ACS Photonics</i> , <b>2014</b> , 1, 1093-1098	6.3	78
130	54.1: Invited Paper: Structural Colors for Display and E-paper Applications. <i>Digest of Technical Papers SID International Symposium</i> , <b>2014</b> , 45, 781-784	0.5	
129	Towards roll-to-roll manufacturing of polymer photonic devices <b>2014</b> ,		1

128	3D high resolution photoacoustic imaging based on pure optical photoacoustic microscopy with microring resonator <b>2014</b> ,		3
127	Achieving angle-insensitive spectrum filter with the slit nanoresonator array structure. <i>Journal of Nanophotonics</i> , <b>2014</b> , 9, 093795	1.1	3
126	Low-Cost Fabrication of Organic Photovoltaics and Polymer LEDs. <i>Green Energy and Technology</i> , <b>2014</b> , 227-265	0.6	
125	Nanoimprinting ultrasmall and high-aspect-ratio structures by using rubber-toughened UV cured epoxy resist. <i>Nanotechnology</i> , <b>2013</b> , 24, 255302	3.4	7
124	A fiber-optic system for dual-modality photoacoustic microscopy and confocal fluorescence microscopy using miniature components. <i>Photoacoustics</i> , <b>2013</b> , 1, 30-35	9	32
123	Efficiency and stability enhancement of polymer solar cells using multi-stacks of C60/LiF as cathode buffer layer. <i>Organic Electronics</i> , <b>2013</b> , 14, 469-474	3.5	15
122	Template-Free Vibrational Indentation Patterning (VIP) of Micro/Nanometer-Scale Grating Structures with Real-Time Pitch and Angle Tunability. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, n/a-n/a	15.6	6
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107	Funneling light into subwavelength grooves in metal/dielectric multilayer films. <i>Optics Express</i> , <b>2013</b> , 21, 3595-602	3-3	8
106	Micro-ultrasonic cleaving of cell clusters by laser-generated focused ultrasound and its mechanisms. <i>Biomedical Optics Express</i> , <b>2013</b> , 4, 1442-50	3-5	28
105	Printable thermo-optic polymer switches utilizing imprinting and ink-jet printing. <i>Optics Express</i> , <b>2013</b> , 21, 2110-7	3-3	27
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98	All-optical transducer for ultrasound and photoacoustic imaging by dichroic filtering <b>2012</b> ,		1
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