L Jay Guo

List of Publications by Year
in descending order

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314	16,507	13068	18606
papers	citations	68	119
		h-index	g-index

319	319	319	14707
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Plasmonic nanoresonators for high-resolution colour filtering and spectral imaging. Nature Communications, 2010, 1, 59.	5.8	687
2	Recent progress in nanoimprint technology and its applications. Journal Physics D: Applied Physics, 2004, 37, R123-R141.	1.3	657
3	Highâ€Speed Rollâ€toâ€Roll Nanoimprint Lithography on Flexible Plastic Substrates. Advanced Materials, 2008, 20, 2044-2049.	11.1	571
4	Large-Area Roll-to-Roll and Roll-to-Plate Nanoimprint Lithography: A Step toward High-Throughput Application of Continuous Nanoimprinting. ACS Nano, 2009, 3, 2304-2310.	7.3	571
5	Organic Solar Cells Using Nanoimprinted Transparent Metal Electrodes. Advanced Materials, 2008, 20, 4408-4413.	11.1	492
6	Biochemical sensors based on polymer microrings with sharp asymmetrical resonance. Applied Physics Letters, 2003, 83, 1527-1529.	1.5	455
7	Efficiency Enhancement of Organic Solar Cells Using Transparent Plasmonic Ag Nanowire Electrodes. Advanced Materials, 2010, 22, 4378-4383.	11.1	343
8	High Performance Bianisotropic Metasurfaces: Asymmetric Transmission of Light. Physical Review Letters, 2014, 113, 023902.	2.9	317
9	Nanofluidic diodes. Chemical Society Reviews, 2010, 39, 923-938.	18.7	297
10	Fabrication of Size-Controllable Nanofluidic Channels by Nanoimprinting and Its Application for DNA Stretching. Nano Letters, 2004, 4, 69-73.	4.5	286
11	Nanoscale Protein Patterning by Imprint Lithography. Nano Letters, 2004, 4, 853-857.	4.5	276
12	Transparent Cu nanowire mesh electrode on flexible substrates fabricated by transfer printing and its application in organic solar cells. Solar Energy Materials and Solar Cells, 2010, 94, 1179-1184.	3.0	223
13	An Ultrathin, Smooth, and Lowâ€Loss Alâ€Doped Ag Film and Its Application as a Transparent Electrode in Organic Photovoltaics. Advanced Materials, 2014, 26, 5696-5701.	11.1	221
14	Experiment and Theory of the Broadband Absorption by a Tapered Hyperbolic Metamaterial Array. ACS Photonics, 2014, 1, 618-624.	3.2	208
15	Rectified Ion Transport through Concentration Gradient in Homogeneous Silica Nanochannels. Nano Letters, 2007, 7, 3165-3171.	4.5	205
16	Angle-Insensitive Structural Colours based on Metallic Nanocavities and Coloured Pixels beyond the Diffraction Limit. Scientific Reports, 2013, 3, 1194.	1.6	200
17	Transparent and Flexible Polarization-Independent Microwave Broadband Absorber. ACS Photonics, 2014, 1, 279-284.	3.2	199
18	Carbon-Nanotube Optoacoustic Lens for Focused Ultrasound Generation and High-Precision Targeted Therapy. Scientific Reports, 2012, 2, 989.	1.6	188

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19	Ionic Current Rectification, Breakdown, and Switching in Heterogeneous Oxide Nanofluidic Devices. ACS Nano, 2009, 3, 575-584.	7.3	178
20	Highâ€Performance Flexible Transparent Electrode with an Embedded Metal Mesh Fabricated by Costâ€Effective Solution Process. Small, 2016, 12, 3021-3030.	5.2	178
21	High efficiency resonance-based spectrum filters with tunable transmission bandwidth fabricated using nanoimprint lithography. Applied Physics Letters, 2011, 99, .	1.5	175
22	Flexible conjugated polymer photovoltaic cells with controlled heterojunctions fabricated using nanoimprint lithography. Applied Physics Letters, 2007, 90, 123113.	1.5	167
23	Photonic Color Filters Integrated with Organic Solar Cells for Energy Harvesting. ACS Nano, 2011, 5, 7055-7060.	7.3	167
24	Simple hydrothermal synthesis of very-long and thin silver nanowires and their application in high quality transparent electrodes. Journal of Materials Chemistry A, 2016, 4, 11365-11371.	5.2	154
25	Polymer microring resonators fabricated by nanoimprint technique. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2862.	1.6	153
26	Boosted ultraviolet electroluminescence of InGaN/AlGaN quantum structures grown on high-index contrast patterned sapphire with silica array. Nano Energy, 2020, 69, 104427.	8.2	150
27	Structural Colors: From Plasmonic to Carbon Nanostructures. Small, 2011, 7, 3128-3136.	5.2	149
28	Carbon nanotube composite optoacoustic transmitters for strong and high frequency ultrasound generation. Applied Physics Letters, 2010, 97, 234104.	1.5	144
29	Ultrasmooth and Thermally Stable Silver-Based Thin Films with Subnanometer Roughness by Aluminum Doping. ACS Nano, 2014, 8, 10343-10351.	7.3	143
30	Engineering Light at the Nanoscale: Structural Color Filters and Broadband Perfect Absorbers. Advanced Optical Materials, 2017, 5, 1700368.	3.6	141
31	A Facile Route to Polymer Solar Cells with Optimum Morphology Readily Applicable to a Rollâ€toâ€Roll Process without Sacrificing High Device Performances. Advanced Materials, 2010, 22, E247-53.	11.1	131
32	Fabrication and characterization of High Q polymer micro-ring resonator and its application as a sensitive ultrasonic detector. Optics Express, 2011, 19, 861.	1.7	128
33	Ultrathin-metal-film-based transparent electrodes with relative transmittance surpassing 100%. Nature Communications, 2020, 11, 3367.	5.8	123
34	Nanoimprint Lithography Based Approach for the Fabrication of Largeâ€Area, Uniformlyâ€Oriented Plasmonic Arrays. Advanced Materials, 2008, 20, 1129-1134.	11.1	121
35	Colored ultrathin hybrid photovoltaics with high quantum efficiency. Light: Science and Applications, 2014, 3, e215-e215.	7.7	112
36	Strong Resonance Effect in a Lossy Mediumâ€Based Optical Cavity for Angle Robust Spectrum Filters. Advanced Materials, 2014, 26, 6324-6328.	11.1	111

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37	Bilayer metal wire-grid polarizer fabricated by roll-to-roll nanoimprint lithography on flexible plastic substrate. Journal of Vacuum Science & Technology B, 2007, 25, 2388.	1.3	110
38	Compact Multilayer Film Structures for Ultrabroadband, Omnidirectional, and Efficient Absorption. ACS Photonics, 2016, 3, 590-596.	3.2	108
39	One-step lithography for various size patterns with a hybrid mask-mold. Microelectronic Engineering, 2004, 71, 288-293.	1.1	106
40	Pure optical photoacoustic microscopy. Optics Express, 2011, 19, 9027.	1.7	106
41	Enhanced Light Utilization in Semitransparent Organic Photovoltaics Using an Optical Outcoupling Architecture. Advanced Materials, 2019, 31, e1903173.	11.1	105
42	Optical generation of high frequency ultrasound using two-dimensional gold nanostructure. Applied Physics Letters, 2006, 89, 093901.	1.5	103
43	Highâ€Colorâ€Purity Subtractive Color Filters with a Wide Viewing Angle Based on Plasmonic Perfect Absorbers. Advanced Optical Materials, 2015, 3, 347-352.	3.6	103
44	A combined-nanoimprint-and-photolithography patterning technique. Microelectronic Engineering, 2004, 71, 277-282.	1.1	101
45	High-frequency ultrasound sensors using polymer microring resonators. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2007, 54, 957-965.	1.7	101
46	Ultrabroad Bandwidth and Highly Sensitive Optical Ultrasonic Detector for Photoacoustic Imaging. ACS Photonics, 2014, 1, 1093-1098.	3.2	100
47	Micron-scale organic thin film transistors with conducting polymer electrodes patterned by polymer inking and stamping. Applied Physics Letters, 2006, 88, 063513.	1.5	94
48	High-sensitivity and wide-directivity ultrasound detection using high Q polymer microring resonators. Applied Physics Letters, 2011, 98, 204103.	1.5	93
49	Continuous and scalable fabrication of flexible metamaterial films via roll-to-roll nanoimprint process for broadband plasmonic infrared filters. Applied Physics Letters, 2012, 101, .	1.5	93
50	Low density carbon nanotube forest as an index-matched and near perfect absorption coating. Applied Physics Letters, 2011, 99, .	1.5	92
51	Highâ€Performance Doped Silver Films: Overcoming Fundamental Material Limits for Nanophotonic Applications. Advanced Materials, 2017, 29, 1605177.	11.1	90
52	Colored, see-through perovskite solar cells employing an optical cavity. Journal of Materials Chemistry C, 2015, 3, 5377-5382.	2.7	89
53	Highly Transparent and Broadband Electromagnetic Interference Shielding Based on Ultrathin Doped Ag and Conducting Oxides Hybrid Film Structures. ACS Applied Materials & Interfaces, 2019, 11, 11782-11791.	4.0	88
54	Broadband all-optical ultrasound transducers. Applied Physics Letters, 2007, 91, .	1.5	87

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55	High performance broadband absorber in the visible band by engineered dispersion and geometry of a metal-dielectric-metal stack. Applied Physics Letters, 2012, 101, .	1.5	86
56	Photoâ€“Roll Lithography (PRL) for Continuous and Scalable Patterning with Application in Flexible Electronics. Advanced Materials, 2013, 25, 6554-6561.	11.1	86
57	Efficient real-time detection of terahertz pulse radiation based on photoacoustic conversion by carbon nanotube nanocomposite. Nature Photonics, 2014, 8, 537-542.	15.6	86
58	Choice of electrode geometry for accurate measurement of organic photovoltaic cell performance. Applied Physics Letters, 2008, 92, 133301.	1.5	84
59	Large Area High Density Sub-20 nm SiO₂ Nanostructures Fabricated by Block Copolymer Template for Nanoimprint Lithography. ACS Nano, 2009, 3, 2601-2608.	7.3	83
60	Decorative power generating panels creating angle insensitive transmissive colors. Scientific Reports, 2014, 4, 4192.	1.6	83
61	Optimization of thermally reduced graphene oxide for an efficient hole transport layer in polymer solar cells. Organic Electronics, 2013, 14, 591-598.	1.4	81
62	Polarization rotation with ultra-thin bianisotropic metasurfaces. Optica, 2016, 3, 427.	4.8	74
63	Efficient Photoacoustic Conversion in Optical Nanomaterials and Composites. Advanced Optical Materials, 2018, 6, 1800491.	3.6	74
64	Ultrathin metal-semiconductor-metal resonator for angle invariant visible band transmission filters. Applied Physics Letters, 2014, 104, .	1.5	73
65	Review of Imprinted Polymer Microrings as Ultrasound Detectors: Design, Fabrication, and Characterization. IEEE Sensors Journal, 2015, 15, 3241-3248.	2.4	73
66	Highly efficient and reliable high power LEDs with patterned sapphire substrate and strip-shaped distributed current blocking layer. Applied Surface Science, 2015, 355, 1013-1019.	3.1	72
67	All-optical scanhead for ultrasound and photoacoustic dual-modality imaging. Optics Express, 2012, 20, 1588.	1.7	71
68	Highâ€Performance Ta₂O₅/Alâ€Doped Ag Electrode for Resonant Light Harvesting in Efficient Organic Solar Cells. Advanced Energy Materials, 2015, 5, 1500768.	10.2	71
69	Printed photonic elements: nanoimprinting and beyond. Journal of Materials Chemistry C, 2016, 4, 5133-5153.	2.7	71
70	Ultrasound detection using polymer microring optical resonator. Applied Physics Letters, 2004, 85, 5418-5420.	1.5	68
71	Toward Low-Cost, High-Efficiency, and Scalable Organic Solar Cells with Transparent Metal Electrode and Improved Domain Morphology. IEEE Journal of Selected Topics in Quantum Electronics, 2010, 16, 1807-1820.	1.9	68
72	Wide-angle, polarization-independent ultrathin broadband visible absorbers. Applied Physics Letters, 2016, 108, .	1.5	68

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73	Organic Photovoltaic Cells: From Performance Improvement to Manufacturing Processes. Small, 2015, 11, 2228-2246.	5.2	65
74	Highly Efficient Guiding of Microtubule Transport with Imprinted CYTOP Nanotracks. Small, 2005, 1, 409-414.	5.2	64
75	Thinâ€Metalâ€Filmâ€Based Transparent Conductors: Material Preparation, Optical Design, and Device Applications. Advanced Optical Materials, 2021, 9, 2001298.	3.6	64
76	Polymer Microring Resonators for High-Frequency Ultrasound Detection and Imaging. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 191-197.	1.9	60
77	Integrated intravascular ultrasound and photoacoustic imaging scan head. Optics Letters, 2010, 35, 2892.	1.7	60
78	In vivo flow speed measurement of capillaries by photoacoustic correlation spectroscopy. Optics Letters, 2011, 36, 4017.	1.7	58
79	Large-Area High Aspect Ratio Plasmonic Interference Lithography Utilizing a Single High-k Mode. ACS Nano, 2016, 10, 4039-4045.	7.3	58
80	Semitransparent and Flexible Mechanically Reconfigurable Electrically Small Antennas Based on Tortuous Metallic Micromesh. IEEE Transactions on Antennas and Propagation, 2017, 65, 150-158.	3.1	58
81	High-Resolution Functional Epoxysilsesquioxane-Based Patterning Layers for Large-Area Nanoimprinting. ACS Nano, 2010, 4, 4776-4784.	7.3	56
82	Highly stable and stretchable grapheneâ€“polymer processed silver nanowires hybrid electrodes for flexible displays. Journal of Materials Chemistry C, 2015, 3, 1528-1536.	2.7	56
83	Neutral- and Multi-Colored Semitransparent Perovskite Solar Cells. Molecules, 2016, 21, 475.	1.7	56
84	Application of patterned sapphire substrate for III-nitride light-emitting diodes. Nanoscale, 2022, 14, 4887-4907.	2.8	56
85	High-resolution organic polymer light-emitting pixels fabricated by imprinting technique. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2002, 20, 2877.	1.6	55
86	Low-noise wideband ultrasound detection using polymer microring resonators. Applied Physics Letters, 2008, 92, 193509.	1.5	55
87	Photoacoustic correlation spectroscopy and its application to low-speed flow measurement. Optics Letters, 2010, 35, 1200.	1.7	55
88	Nano-structural characteristics of carbon nanotubeâ€“polymer composite films for high-amplitude optoacoustic generation. Nanoscale, 2015, 7, 14460-14468.	2.8	55
89	Semitransparent Cu electrode on a flexible substrate and its application in organic light emitting diodes. Journal of Vacuum Science & Technology B, 2007, 25, 2637.	1.3	54
90	A unique resonance mode observed in a prism-coupled micro-tube resonator sensor with superior index sensitivity. Optics Express, 2007, 15, 17424.	1.7	54

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91	Effect of Polymer Aggregation on the Open Circuit Voltage in Organic Photovoltaic Cells: Aggregation-Induced Conjugated Polymer Gel and its Application for Preventing Open Circuit Voltage Drop. ACS Applied Materials & Interfaces, 2011, 3, 674-680.	4.0	53
92	Characterization of a broadband all-optical ultrasound transducer-from optical and acoustical properties to imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2008, 55, 1867-1877.	1.7	52
93	All-optical photoacoustic microscopy. Photoacoustics, 2015, 3, 143-150.	4.4	52
94	Angular- and polarization-independent structural colors based on 1D photonic crystals. Laser and Photonics Reviews, 2015, 9, 354-362.	4.4	51
95	Continuous phase-shift lithography with a roll-type mask and application to transparent conductor fabrication. Nanotechnology, 2012, 23, 344008.	1.3	50
96	Air-coupled ultrasound detection using capillary-based optical ring resonators. Scientific Reports, 2017, 7, 109.	1.6	50
97	Enhancing the Purity of Reflective Structural Colors with Ultrathin Bilayer Media as Effective Ideal Absorbers. Advanced Optical Materials, 2019, 7, 1900739.	3.6	49
98	High-Performance Large-Scale Flexible Optoelectronics Using Ultrathin Silver Films with Tunable Properties. ACS Applied Materials & Interfaces, 2019, 11, 27216-27225.	4.0	47
99	Miniaturized all-optical photoacoustic microscopy based on microelectromechanical systems mirror scanning. Optics Letters, 2012, 37, 4263.	1.7	46
100	Rollâ€toâ€Roll Cohesive, Coated, Flexible, Highâ€Efficiency Polymer Lightâ€Emitting Diodes Utilizing ITOâ€Free Polymer Anodes. Small, 2013, 9, 4036-4044.	5.2	46
101	Laserâ€Induced Focused Ultrasound for Cavitation Treatment: Toward Highâ€Precision Invisible Sonic Scalpel. Small, 2017, 13, 1701555.	5.2	46
102	Ultraviolet imprinting and aligned ink-jet printing for multilayer patterning of electro-optic polymer modulators. Optics Letters, 2013, 38, 1597.	1.7	44
103	A step toward next-generation nanoimprint lithography: extending productivity and applicability. Applied Physics A: Materials Science and Processing, 2015, 121, 343-356.	1.1	44
104	Angle Robust Reflection/Transmission Plasmonic Filters Using Ultrathin Metal Patch Array. Advanced Optical Materials, 2016, 4, 1981-1986.	3.6	44
105	Vivid-colored silicon solar panels with high efficiency and non-iridescent appearance. Nanoscale Horizons, 2019, 4, 874-880.	4.1	44
106	Benchmarking deep learning-based models on nanophotonic inverse design problems. , 2022, 1, 210012-210012.		43
107	Organic thin film transistors and polymer light-emitting diodes patterned by polymer inking and stamping. Journal Physics D: Applied Physics, 2008, 41, 105115.	1.3	42
108	Spontaneous Formation of Periodic Nanostructures by Localized Dynamic Wrinkling. Nano Letters, 2010, 10, 4228-4234.	4.5	40

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109	Facile route of flexible wire grid polarizer fabrication by angled-evaporations of aluminum on two sidewalls of an imprinted nanograting. Nanotechnology, 2012, 23, 344018.	1.3	40
110	ITOâ€Free, Compact, Color Liquid Crystal Devices Using Integrated Structural Color Filters and Graphene Electrodes. Advanced Optical Materials, 2014, 2, 435-441.	3.6	40
111	Highly Efficient Photoacoustic Conversion by Facilitated Heat Transfer in Ultrathin Metal Film Sandwiched by Polymer Layers. Advanced Optical Materials, 2017, 5, 1600421.	3.6	40
112	Transparent Perfect Microwave Absorber Employing Asymmetric Resonance Cavity. Advanced Science, 2019, 6, 1901320.	5.6	40
113	‹b›Efficient Thermalâ€“Light Interconversions Based on Optical Topological Transition in the Metalâ€Dielectric Multilayered Metamaterials‹/b›. Advanced Materials, 2016, 28, 3017-3023.	11.1	38
114	Angleâ€Insensitive and CMOSâ€Compatible Subwavelength Color Printing. Advanced Optical Materials, 2016, 4, 1696-1702.	3.6	38
115	Breaking Malusâ€™ law: Highly efficient, broadband, and angular robust asymmetric light transmitting metasurface. Laser and Photonics Reviews, 2016, 10, 791-798.	4.4	38
116	Polymer microring resonators for high-sensitivity and wideband photoacoustic imaging. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2009, 56, 2482-2491.	1.7	37
117	A fiber-optic system for dual-modality photoacoustic microscopy and confocal fluorescence microscopy using miniature components. Photoacoustics, 2013, 1, 30-35.	4.4	37
118	Imprinted Polymer Microrings as High-Performance Ultrasound Detectors in Photoacoustic Imaging. Journal of Lightwave Technology, 2015, 33, 4318-4328.	2.7	37
119	Comparative study of GaN-based ultraviolet LEDs grown on different-sized patterned sapphire substrates with sputtered AlN nucleation layer. Japanese Journal of Applied Physics, 2017, 56, 111001.	0.8	37
120	On-chip, high-sensitivity temperature sensors based on dye-doped solid-state polymer microring lasers. Applied Physics Letters, 2017, 111, .	1.5	37
121	Automated multi-layer optical design via deep reinforcement learning. Machine Learning: Science and Technology, 2021, 2, 025013.	2.4	37
122	Thermal-flow technique for reducing surface roughness and controlling gap size in polymer microring resonators. Applied Physics Letters, 2004, 84, 2479-2481.	1.5	36
123	Micro-ultrasonic cleaving of cell clusters by laser-generated focused ultrasound and its mechanisms. Biomedical Optics Express, 2013, 4, 1442.	1.5	36
124	Printable thermo-optic polymer switches utilizing imprinting and ink-jet printing. Optics Express, 2013, 21, 2110.	1.7	36
125	Metal transfer assisted nanolithography on rigid and flexible substrates. Journal of Vacuum Science & Technology B, 2008, 26, 2421-2425.	1.3	35
126	Transition from a spectrum filter to a polarizer in a metallic nano-slit array. Scientific Reports, 2014, 4, 3614.	1.6	35

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127	Inverse design of metasurface optical filters using deep neural network with high degrees of freedom. InformaÄnÃ-MateriÃ¡ly, 2021, 3, 432-442.	8.5	35
128	SPPs coupling induced interference in metal/dielectric multilayer waveguides and its application for plasmonic lithography. Optics Express, 2012, 20, 12521.	1.7	34
129	Low f-number photoacoustic lens for tight ultrasonic focusing and free-field micro-cavitation in water. Applied Physics Letters, 2016, 108, .	1.5	34
130	A Reconfigurable Color Reflector by Selective Phase Change of GeTe in a Multilayer Structure. Advanced Optical Materials, 2019, 7, 1801214.	3.6	34
131	Fast Flexible Transistors with a Nanotrench Structure. Scientific Reports, 2016, 6, 24771.	1.6	33
132	Plasmonic Lithography Utilizing Epsilon Near Zero Hyperbolic Metamaterial. ACS Nano, 2017, 11, 9863-9868.	7.3	33
133	Planar Metasurfaces Enable Highâ€Efficiency Colored Perovskite Solar Cells. Advanced Science, 2018, 5, 1800836.	5.6	33
134	Holographic Sampling Display Based on Metagratings. IScience, 2020, 23, 100773.	1.9	33
135	Nanoimprinted electrodes for micro-fuel cell applications. Journal of Power Sources, 2007, 171, 218-223.	4.0	32
136	All-optical scanhead for ultrasound and photoacoustic imagingâ€”Imaging mode switching by dichroic filtering. Photoacoustics, 2014, 2, 39-46.	4.4	30
137	Subwavelength nanocavity for flexible structural transmissive color generation with a wide viewing angle. Optica, 2016, 3, 1489.	4.8	30
138	Dynamic Nanoinscribing for Continuous and Seamless Metal and Polymer Nanogratings. Nano Letters, 2009, 9, 4392-4397.	4.5	29
139	Continuous Patterning of Nanogratings by Nanochannelâ€Guided Lithography on Liquid Resists. Advanced Materials, 2011, 23, 4444-4448.	11.1	29
140	Plasma etch fabrication of 60:1 aspect ratio silicon nanogratings with 200 nm pitch. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C6P70-C6P75.	0.6	28
141	Continuous and high-throughput nanopatterning methodologies based on mechanical deformation. Journal of Materials Chemistry C, 2013, 1, 7681.	2.7	28
142	Optimization of polymer photovoltaic cells with bulk heterojunction layers hundreds of nanometers thick: modifying the morphology and cathode interface. Energy and Environmental Science, 2013, 6, 2203.	15.6	28
143	Advanced Heterojunction Structure of Polymer Photovoltaic Cell Generating High Photocurrent with Internal Quantum Efficiency Approaching 100%. Advanced Energy Materials, 2013, 3, 1135-1142.	10.2	28
144	Visualizing Mie Resonances in Low-Index Dielectric Nanoparticles. Physical Review Letters, 2018, 120, 253902.	2.9	28

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145	Top illuminated organic photodetectors with dielectric/metal/dielectric transparent anode. Organic Electronics, 2015, 20, 103-111.	1.4	27
146	Achieving pattern uniformity in plasmonic lithography by spatial frequency selection. Nanophotonics, 2018, 7, 277-286.	2.9	27
147	Nozzle-Free Liquid Microjetting via Homogeneous Bubble Nucleation. Physical Review Applied, 2015, 3, .	1.5	26
148	Low-Temperature Oxide/Metal/Oxide Multilayer Films as Highly Transparent Conductive Electrodes for Optoelectronic Devices. ACS Applied Energy Materials, 2021, 4, 6553-6561.	2.5	26
149	Multilayer pattern transfer for plasmonic color filter applications. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C6O60-C6O63.	0.6	25
150	Robust Extraction of Hyperbolic Metamaterial Permittivity Using Total Internal Reflection Ellipsometry. ACS Photonics, 2018, 5, 2234-2242.	3.2	25
151	Decorative near-infrared transmission filters featuring high-efficiency and angular-insensitivity employing 1D photonic crystals. Nano Research, 2019, 12, 543-548.	5.8	25
152	Multi-film roll transferring (MRT) process using highly conductive and solution-processed silver solution for fully solution-processed polymer solar cells. Energy and Environmental Science, 2014, 7, 2764-2770.	15.6	24
153	Printed Nanostructures for Organic Photovoltaic Cells and Solutionâ€Processed Polymer Lightâ€Emitting Diodes. Energy Technology, 2015, 3, 340-350.	1.8	22
154	Visually tolerable tiling (VTT) for making a large-area flexible patterned surface. Materials Horizons, 2015, 2, 86-90.	6.4	22
155	Ultrahigh Q Polymer Microring Resonators for Biosensing Applications. IEEE Photonics Journal, 2019, 11, 1-10.	1.0	22
156	Compact Stereo Waveguide Display Based on a Unidirectional Polarization-Multiplexed Metagrating In-Coupler. ACS Photonics, 2021, 8, 1112-1119.	3.2	22
157	Entrance effect on ion transport in nanochannels. Microfluidics and Nanofluidics, 2010, 9, 1033-1039.	1.0	21
158	Localized microâ€scale disruption of cells using laserâ€generated focused ultrasound. Journal of Biophotonics, 2013, 6, 905-910.	1.1	21
159	High-color-purity, angle-invariant, and bidirectional structural colors based on higher-order resonances. Optics Letters, 2019, 44, 86.	1.7	21
160	Continuous fabrication of scalable 2-dimensional (2D) micro- and nanostructures by sequential 1D mechanical patterning processes. Nanoscale, 2014, 6, 14636-14642.	2.8	20
161	Characterizing cellular morphology by photoacoustic spectrum analysis with an ultra-broadband optical ultrasonic detector. Optics Express, 2016, 24, 19853.	1.7	20
162	Selective Photomechanical Detachment and Retrieval of Divided Sister Cells from Enclosed Microfluidics for Downstream Analyses. ACS Nano, 2017, 11, 4660-4668.	7.3	20

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163	Sustainable p-type copper selenide solar material with ultra-large absorption coefficient. Chemical Science, 2018, 9, 5405-5414.	3.7	20
164	Electrodeposition of Large Area, Angle-Insensitive Multilayered Structural Colors. ACS Applied Materials & Interfaces, 2019, 11, 29065-29071.	4.0	19
165	Design of plasmonic near field plate at optical frequency. Applied Physics Letters, 2010, 96, 141107.	1.5	18
166	Low-noise small-size microring ultrasonic detectors for high-resolution photoacoustic imaging. Journal of Biomedical Optics, 2011, 16, 056001.	1.4	18
167	Au nanostructure arrays for plasmonic applications: annealed island films versus nanoimprint lithography. Nanoscale Research Letters, 2015, 10, 99.	3.1	18
168	Easy duplication of stamps using UV-cured fluoro-silsesquioxane for nanoimprint lithography. Journal of Vacuum Science & Technology B, 2008, 26, 2426-2429.	1.3	17
169	Ultrasmall Structure Fabrication via a Facile Size Modification of Nanoimprinted Functional Silsesquioxane Features. ACS Nano, 2011, 5, 923-931.	7.3	17
170	Efficiency and stability enhancement of polymer solar cells using multi-stacks of C60/LiF as cathode buffer layer. Organic Electronics, 2013, 14, 469-474.	1.4	17
171	Colored dual-functional photovoltaic cells. Journal of Optics (United Kingdom), 2016, 18, 064003.	1.0	17
172	Effects of edge inclination angles on whispering-gallery modes in printable wedge microdisk lasers. Optics Express, 2018, 26, 233.	1.7	17
173	Fabrication and testing of freestanding Si nanogratings for UV filtration on space-based particle sensors. Nanotechnology, 2009, 20, 325301.	1.3	16
174	Fabrication and Encapsulation of a Shortâ€Period Wire Grid Polarizer with Improved Viewing Angle by the Angledâ€Evaporation Method. Advanced Optical Materials, 2013, 1, 863-868.	3.6	16
175	Optical Simulation of Periodic Surface Texturing on Ultrathin Amorphous Silicon Solar Cells. IEEE Journal of Photovoltaics, 2014, 4, 1337-1342.	1.5	16
176	Controlled Generation of Single Microbubble at Solid Surfaces by a Nanosecond Pressure Pulse. Physical Review Applied, 2014, 2, .	1.5	16
177	Modulation of the effective density and refractive index of carbon nanotube forests via nanoimprint lithography. Carbon, 2018, 129, 8-14.	5.4	16
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