

Malte C Gather

List of Publications by Citations

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

174 papers	7,956 citations	44 h-index	85 g-index
200 ext. papers	9,106 ext. citations	9.9 avg, IF	6.55 L-index

#	Paper	IF	Citations
174	White organic light-emitting diodes. <i>Advanced Materials</i> , 2011 , 23, 233-48	24	786
173	Efficiency roll-off in organic light-emitting diodes. <i>Advanced Materials</i> , 2013 , 25, 6801-27	24	681
172	Organic Lasers: Recent Developments on Materials, Device Geometries, and Fabrication Techniques. <i>Chemical Reviews</i> , 2016 , 116, 12823-12864	68.1	440
171	Advances in small lasers. <i>Nature Photonics</i> , 2014 , 8, 908-918	33.9	323
170	Solution-Processed Full-Color Polymer Organic Light-Emitting Diode Displays Fabricated by Direct Photolithography. <i>Advanced Functional Materials</i> , 2007 , 17, 191-200	15.6	249
169	Single-cell biological lasers. <i>Nature Photonics</i> , 2011 , 5, 406-410	33.9	248
168	Color in the corners: ITO-free white OLEDs with angular color stability. <i>Advanced Materials</i> , 2013 , 25, 4006-13	24	212
167	Net optical gain in a plasmonic waveguide embedded in a fluorescent polymer. <i>Nature Photonics</i> , 2010 , 4, 457-461	33.9	180
166	New crosslinkable hole conductors for blue-phosphorescent organic light-emitting diodes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4388-92	16.4	146
165	Advanced Device Architecture for Highly Efficient Organic Light-Emitting Diodes with an Orange-Emitting Crosslinkable Iridium(III) Complex. <i>Advanced Materials</i> , 2008 , 20, 129-133	24	134
164	Recent advances in light outcoupling from white organic light-emitting diodes. <i>Journal of Photonics for Energy</i> , 2015 , 5, 057607	1.2	130
163	Bioabsorbable polymer optical waveguides for deep-tissue photomedicine. <i>Nature Communications</i> , 2016 , 7, 10374	17.4	130
162	An exciton-polariton laser based on biologically produced fluorescent protein. <i>Science Advances</i> , 2016 , 2, e1600666	14.3	128
161	Nano-particle based scattering layers for optical efficiency enhancement of organic light-emitting diodes and organic solar cells. <i>Journal of Applied Physics</i> , 2013 , 113, 204502	2.5	125
160	Lasing within Live Cells Containing Intracellular Optical Microresonators for Barcode-Type Cell Tagging and Tracking. <i>Nano Letters</i> , 2015 , 15, 5647-52	11.5	119
159	Chemical degradation mechanisms of highly efficient blue phosphorescent emitters used for organic light emitting diodes. <i>Organic Electronics</i> , 2013 , 14, 115-123	3.5	112
158	Achieving High Efficiency and Improved Stability in ITO-Free Transparent Organic Light-Emitting Diodes with Conductive Polymer Electrodes. <i>Advanced Functional Materials</i> , 2013 , 23, 3763-3769	15.6	112

157	On the Origin of the Color Shift in White-Emitting OLEDs. <i>Advanced Materials</i> , 2007 , 19, 4460-4465	24	112
156	Orientation of emissive dipoles in OLEDs: Quantitative in situ analysis. <i>Organic Electronics</i> , 2010 , 11, 1039-1046	3.5	111
155	Comparing the emissive dipole orientation of two similar phosphorescent green emitter molecules in highly efficient organic light-emitting diodes. <i>Applied Physics Letters</i> , 2012 , 101, 253304	3.4	107
154	Photoprogrammable organic light-emitting diodes. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4038-41	16.4	95
153	Get it white: color-tunable AC/DC OLEDs. <i>Light: Science and Applications</i> , 2015 , 4, e247-e247	16.7	92
152	Flexible and ultra-lightweight polymer membrane lasers. <i>Nature Communications</i> , 2018 , 9, 1525	17.4	88
151	Correlating the transition dipole moment orientation of phosphorescent emitter molecules in OLEDs with basic material properties. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 10298-10304	7.1	83
150	Storage of charge carriers on emitter molecules in organic light-emitting diodes. <i>Physical Review B</i> , 2012 , 86,	3.3	81
149	All-biomaterial laser using vitamin and biopolymers. <i>Advanced Materials</i> , 2013 , 25, 5943-7	24	81
148	Electrical pumping and tuning of exciton-polaritons in carbon nanotube microcavities. <i>Nature Materials</i> , 2017 , 16, 911-917	27	78
147	Monodisperse conjugated polymer particles by Suzuki-Miyaura dispersion polymerization. <i>Nature Communications</i> , 2012 , 3, 1088	17.4	75
146	Bio-optimized energy transfer in densely packed fluorescent protein enables near-maximal luminescence and solid-state lasers. <i>Nature Communications</i> , 2014 , 5, 5722	17.4	69
145	Highly Efficient Color Stable Inverted White Top-Emitting OLEDs with Ultra-Thin Wetting Layer Top Electrodes. <i>Advanced Optical Materials</i> , 2013 , 1, 707-713	8.1	67
144	Near-infrared exciton-polaritons in strongly coupled single-walled carbon nanotube microcavities. <i>Nature Communications</i> , 2016 , 7, 13078	17.4	66
143	Microglia mechanics: immune activation alters traction forces and durotaxis. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 363	6.1	66
142	An Improved Optical Method for Determining the Order Parameter in Thin Oriented Molecular Films and Demonstration of a Highly Axial Dipole Moment for the Lowest Energy π Optical Transition in Poly(9,9-dioctylfluorene-co-bithiophene). <i>Advanced Functional Materials</i> , 2007 , 17, 479-485	15.6	65
141	We Want Our Photons Back: Simple Nanostructures for White Organic Light-Emitting Diode Outcoupling. <i>Advanced Functional Materials</i> , 2014 , 24, 2553-2559	15.6	61
140	Deep-Blue Oxadiazole-Containing Thermally Activated Delayed Fluorescence Emitters for Organic Light-Emitting Diodes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33360-33372	9.5	58

139	Lasing from Escherichia coli bacteria genetically programmed to express green fluorescent protein. <i>Optics Letters</i> , 2011 , 36, 3299-301	3	54
138	Arrays of microscopic organic LEDs for high-resolution optogenetics. <i>Science Advances</i> , 2016 , 2, e1600061	14.3	50
137	Patterning Multicolor Hybrid Perovskite Films via Top-Down Lithography. <i>ACS Nano</i> , 2019 , 13, 3823-3829	16.7	49
136	Coherent mode coupling in highly efficient top-emitting OLEDs on periodically corrugated substrates. <i>Optics Express</i> , 2014 , 22, 7524-37	3.3	49
135	Ultra-thin gold films on transparent polymers. <i>Nanophotonics</i> , 2013 , 2, 3-11	6.3	47
134	Eliminating Micro-Cavity Effects in White Top-Emitting OLEDs by Ultra-Thin Metallic Top Electrodes. <i>Advanced Optical Materials</i> , 2013 , 1, 921-925	8.1	46
133	Highly color-stable solution-processed multilayer WOLEDs for lighting application. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3301		45
132	An alignable fluorene thienothiophene copolymer with deep-blue electroluminescent emission at 410 nm. <i>Chemical Communications</i> , 2008 , 1079-81	5.8	44
131	Non-obstructive intracellular nanolasers. <i>Nature Communications</i> , 2018 , 9, 4817	17.4	44
130	Strong light-matter coupling for reduced photon energy losses in organic photovoltaics. <i>Nature Communications</i> , 2019 , 10, 3706	17.4	43
129	Singlet exciton diffusion length in organic light-emitting diodes. <i>Physical Review B</i> , 2012 , 85,	3.3	43
128	Infrared Organic Light-Emitting Diodes with Carbon Nanotube Emitters. <i>Advanced Materials</i> , 2018 , 30, e1706711	24	42
127	Influence of Cavity Thickness and Emitter Orientation on the Efficiency Roll-Off of Phosphorescent Organic Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2014 , 24, 1117-1124	15.6	41
126	Long-term imaging of cellular forces with high precision by elastic resonator interference stress microscopy. <i>Nature Cell Biology</i> , 2017 , 19, 864-872	23.4	39
125	Cortical cell stiffness is independent of substrate mechanics. <i>Nature Materials</i> , 2020 , 19, 1019-1025	27	39
124	Monitoring contractility in cardiac tissue with cellular resolution using biointegrated microlasers. <i>Nature Photonics</i> , 2020 , 14, 452-458	33.9	38
123	Measuring the profile of the emission zone in polymeric organic light-emitting diodes. <i>Applied Physics Letters</i> , 2009 , 94, 263301	3.4	37
122	A substrateless, flexible, and water-resistant organic light-emitting diode. <i>Nature Communications</i> , 2020 , 11, 6250	17.4	37

121	Investigation of triplet harvesting and outcoupling efficiency in highly efficient two-color hybrid white organic light-emitting diodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 1467-1475	1.6	34
120	Color-stable, ITO-free white organic light-emitting diodes with enhanced efficiency using solution-processed transparent electrodes and optical outcoupling layers. <i>Organic Electronics</i> , 2014 , 15, 1028-1034	3.5	33
119	Quantitative allocation of Bragg scattering effects in highly efficient OLEDs fabricated on periodically corrugated substrates. <i>Optics Express</i> , 2013 , 21, 16319-30	3.3	33
118	A switchable digital microfluidic droplet dye-laser. <i>Lab on A Chip</i> , 2011 , 11, 3716-9	7.2	31
117	High-brightness organic light-emitting diodes for optogenetic control of Drosophila locomotor behaviour. <i>Scientific Reports</i> , 2016 , 6, 31117	4.9	30
116	Towards organic light-emitting diode microdisplays with sub-pixel patterning. <i>Organic Electronics</i> , 2010 , 11, 57-61	3.5	30
115	245 MHz bandwidth organic light-emitting diodes used in a gigabit optical wireless data link. <i>Nature Communications</i> , 2020 , 11, 1171	17.4	29
114	Enhanced light emission from top-emitting organic light-emitting diodes by optimizing surface plasmon polariton losses. <i>Physical Review B</i> , 2015 , 92,	3.3	29
113	Three-terminal RGB full-color OLED pixels for ultrahigh density displays. <i>Scientific Reports</i> , 2018 , 8, 9684	4.9	29
112	Alternative p-doped hole transport material for low operating voltage and high efficiency organic light-emitting diodes. <i>Applied Physics Letters</i> , 2014 , 105, 113303	3.4	28
111	Monolithic integration of multi-color organic LEDs by grayscale lithography. <i>Advanced Materials</i> , 2010 , 22, 4634-8	24	28
110	Ultrastrong Coupling of Electrically Pumped Near-Infrared Exciton-Polaritons in High Mobility Polymers. <i>Advanced Optical Materials</i> , 2018 , 6, 1700962	8.1	27
109	Cellular dye lasers: lasing thresholds and sensing in a planar resonator. <i>Optics Express</i> , 2015 , 23, 27865-79	3.3	27
108	Enhancing the efficiency of alternating current driven organic light-emitting devices by optimizing the operation frequency. <i>Organic Electronics</i> , 2013 , 14, 809-813	3.5	27
107	Embedding Organic Light-Emitting Diodes into Channel Waveguide Structures. <i>Advanced Materials</i> , 2008 , 20, 1966-1971	24	27
106	Broadband Tunable, Polarization-Selective and Directional Emission of (6,5) Carbon Nanotubes Coupled to Plasmonic Crystals. <i>Nano Letters</i> , 2016 , 16, 3278-84	11.5	27
105	Lasing in Live Mitotic and Non-Phagocytic Cells by Efficient Delivery of Microresonators. <i>Scientific Reports</i> , 2017 , 7, 40877	4.9	25
104	Lasing from fluorescent protein crystals. <i>Optics Express</i> , 2014 , 22, 31411-6	3.3	25

103	A rocky road to plasmonic lasers. <i>Nature Photonics</i> , 2012 , 6, 708-708	33.9	25
102	Identification of the Key Parameters for Horizontal Transition Dipole Orientation in Fluorescent and TADF Organic Light-Emitting Diodes. <i>Advanced Materials</i> , 2021 , 33, e2100677	24	25
101	Photo-patterning of Highly Efficient State-of-the-Art Phosphorescent OLEDs Using Orthogonal Hydrofluoroethers. <i>Advanced Optical Materials</i> , 2014 , 2, 1043-1048	8.1	24
100	Integration of spectral coronagraphy within VIPA-based spectrometers for high extinction Brillouin imaging. <i>Optics Express</i> , 2017 , 25, 6895-6903	3.3	24
99	Controlling the Behavior of Single Live Cells with High Density Arrays of Microscopic OLEDs. <i>Advanced Materials</i> , 2015 , 27, 7657-61	24	24
98	Low-threshold polariton lasing in a highly disordered conjugated polymer. <i>Optica</i> , 2019 , 6, 1124	8.6	24
97	Tuning charge carrier transport and optical birefringence in liquid-crystalline thin films: A new design space for organic light-emitting diodes. <i>Scientific Reports</i> , 2018 , 8, 699	4.9	22
96	A Simple Approach to Biological Single-Cell Lasers Via Intracellular Dyes. <i>Advanced Optical Materials</i> , 2015 , 3, 1197-1200	8.1	21
95	White organic light-emitting diodes with 4 nm metal electrode. <i>Applied Physics Letters</i> , 2015 , 107, 163303	4	21
94	Direct measurement of vertical forces shows correlation between mechanical activity and proteolytic ability of invadopodia. <i>Science Advances</i> , 2020 , 6, eaax6912	14.3	20
93	Analysis of the external and internal quantum efficiency of multi-emitter, white organic light emitting diodes. <i>Applied Physics Letters</i> , 2012 , 101, 143304	3.4	20
92	Understanding the influence of doping in efficient phosphorescent organic light-emitting diodes with an organic p-n homojunction. <i>Organic Electronics</i> , 2013 , 14, 1695-1703	3.5	20
91	Enhanced efficiency of multilayer organic light-emitting diodes with a low-refractive index hole-transport layer: An effect of improved outcoupling?. <i>Applied Physics Letters</i> , 2007 , 91, 113501	3.4	20
90	Determining the photoelectric parameters of an organic photoconductor by the photoelectromotive-force technique. <i>Physical Review B</i> , 2007 , 75,	3.3	20
89	Strong Coupling in Fully Tunable Microcavities Filled with Biologically Produced Fluorescent Proteins. <i>Advanced Optical Materials</i> , 2017 , 5, 1600659	8.1	19
88	Highly-efficient solution-processed phosphorescent multi-layer organic light-emitting diodes investigated by electromodulation spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 113-124	1.9	19
87	Influence of optical material properties on strong coupling in organic semiconductor based microcavities. <i>Applied Physics Letters</i> , 2017 , 110, 153302	3.4	18
86	Investigating the molecular orientation of Ir(ppy) ₃ and Ir(ppy) ₂ (acac) emitter complexes by X-ray diffraction. <i>Organic Electronics</i> , 2018 , 53, 198-204	3.5	18

85	In situ measurement of the internal luminescence quantum efficiency in organic light-emitting diodes. <i>Applied Physics Letters</i> , 2009 , 95, 263306	3.4	18
84	1,3,4-Oxadiazole-based Deep Blue Thermally Activated Delayed Fluorescence Emitters for Organic Light Emitting Diodes. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24772-24785	3.8	17
83	Color temperature tuning of white organic light-emitting diodes via spatial control of micro-cavity effects based on thin metal strips. <i>Organic Electronics</i> , 2015 , 26, 334-339	3.5	17
82	White light emission from alternating current organic light-emitting devices using high frequency color-mixing. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013 , 210, 2439-2444	1.6	17
81	Dispersion-model-free determination of optical constants: application to materials for organic thin film devices. <i>Applied Optics</i> , 2009 , 48, 1507-13	0.2	17
80	Photostimulation for In Vitro Optogenetics with High-Power Blue Organic Light-Emitting Diodes. <i>Advanced Biology</i> , 2019 , 3, e1800290	3.5	16
79	Engineering Blue Fluorescent Bulk Emitters for OLEDs: Triplet Harvesting by Green Phosphors. <i>Chemistry of Materials</i> , 2014 , 26, 2414-2426	9.6	16
78	Impact of temperature on the efficiency of organic light emitting diodes. <i>Organic Electronics</i> , 2015 , 26, 158-163	3.5	15
77	Bi-directional organic light-emitting diodes with nanoparticle-enhanced light outcoupling. <i>Laser and Photonics Reviews</i> , 2013 , 7, 1079-1087	8.3	15
76	Trion-Polariton Formation in Single-Walled Carbon Nanotube Microcavities. <i>ACS Photonics</i> , 2018 , 5, 207462080	6.9	14
75	Optimizing the internal electric field distribution of alternating current driven organic light-emitting devices for a reduced operating voltage. <i>Applied Physics Letters</i> , 2014 , 104, 071105	3.4	14
74	Optofluidic distributed feedback lasers with evanescent pumping: Reduced threshold and angular dispersion analysis. <i>Applied Physics Letters</i> , 2016 , 108, 261101	3.4	14
73	Exciton efficiency beyond the spin statistical limit in organic light emitting diodes based on anthracene derivatives. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3773-3783	7.1	13
72	Narrowband Organic Light-Emitting Diodes for Fluorescence Microscopy and Calcium Imaging. <i>Advanced Materials</i> , 2019 , 31, e1903599	24	13
71	Influence of phosphorescent dopants in organic light-emitting diodes with an organic homojunction. <i>Applied Physics Letters</i> , 2012 , 101, 243303	3.4	13
70	Improving the lifetime of white polymeric organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2009 , 106, 024506	2.5	13
69	The Role of Metallic Dopants in Improving the Thermal Stability of the Electron Transport Layer in Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2018 , 6, 1800496	8.1	13
68	Time-Resolved Studies of Energy Transfer in Thin Films of Green and Red Fluorescent Proteins. <i>Advanced Functional Materials</i> , 2018 , 28, 1706300	15.6	12

67	Multi-state lasing in self-assembled ring-shaped green fluorescent protein microcavities. <i>Applied Physics Letters</i> , 2014 , 105, 233702	3.4	12
66	Bipyridine-Containing Host Materials for High Performance Yellow Thermally Activated Delayed Fluorescence-Based Organic Light Emitting Diodes with Very Low Efficiency Roll-Off. <i>Advanced Optical Materials</i> , 2020 , 8, 1901283	8.1	12
65	Performance and lifetime of vacuum deposited organic light-emitting diodes: Influence of residual gases present during device fabrication. <i>Organic Electronics</i> , 2014 , 15, 3251-3258	3.5	11
64	Coupled plasmonic modes in organic planar microcavities. <i>Applied Physics Letters</i> , 2012 , 100, 253301	3.4	11
63	Emerging Biomedical Applications of Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2021 , 9, 2100269	8.1	11
62	Accurate Efficiency Measurements of Organic Light-Emitting Diodes via Angle-Resolved Spectroscopy. <i>Advanced Optical Materials</i> , 2021 , 9, 2000838	8.1	11
61	Podocyte injury elicits loss and recovery of cellular forces. <i>Science Advances</i> , 2018 , 4, eaap8030	14.3	11
60	Enhanced and balanced efficiency of white bi-directional organic light-emitting diodes. <i>Optics Express</i> , 2013 , 21, 28040-7	3.3	10
59	Transparent organic light-emitting diodes with different bi-directional emission colors using color-conversion capping layers. <i>Journal of Luminescence</i> , 2015 , 162, 180-184	3.8	9
58	Organic Light-Emitting Diodes Based on a Columnar Liquid-Crystalline Perylene Emitter. <i>Advanced Optical Materials</i> , 2020 , 8, 2000414	8.1	9
57	Analysis of the Precision, Robustness, and Speed of Elastic Resonator Interference Stress Microscopy. <i>Biophysical Journal</i> , 2018 , 114, 2180-2193	2.9	9
56	Developing Next-generation Brain Sensing Technologies - A Review. <i>IEEE Sensors Journal</i> , 2019 , 19,	4	9
55	Straight-forward control of the degree of micro-cavity effects in organic light-emitting diodes based on a thin striped metal layer. <i>Organic Electronics</i> , 2013 , 14, 2444-2450	3.5	9
54	Novel P-I-N-P top-emitting organic light-emitting diodes with enhanced efficiency and stability. <i>Organic Electronics</i> , 2013 , 14, 2331-2340	3.5	9
53	White top-emitting organic light-emitting diodes with solution-processed nano-particle scattering layers. <i>Applied Physics Letters</i> , 2015 , 107, 233301	3.4	9
52	Improving the Thermal Stability of Top-Emitting Organic Light-Emitting Diodes by Modification of the Anode Interface. <i>Advanced Optical Materials</i> , 2021 , 9, 2001642	8.1	8
51	Molding Photonic Boxes into Fluorescent Emitters by Direct Laser Writing. <i>Advanced Materials</i> , 2017 , 29, 1605236	24	7
50	Development of Very High Luminance p-i-n Junction-Based Blue Fluorescent Organic Light-Emitting Diodes. <i>Advanced Optical Materials</i> , 2020 , 8, 1901721	8.1	7

49	Investigating the Onset of the Strong Coupling Regime by Fine-Tuning the Rabi Splitting in Multilayer Organic Microcavities. <i>Advanced Optical Materials</i> , 2018 , 6, 1800203	8.1	7
48	Single cell induced optical confinement in biological lasers. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 084005	3	6
47	Preparation of WS ₂ /PMMA composite films for optical applications. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10805-10815	7.1	6
46	Segment-specific optogenetic stimulation in <i>Drosophila melanogaster</i> with linear arrays of organic light-emitting diodes. <i>Nature Communications</i> , 2020 , 11, 6248	17.4	6
45	Narrow Stimulated Resonance Raman Scattering and WGM Lasing in Small Conjugated Polymer Particles for Live Cell Tagging and Tracking. <i>Advanced Optical Materials</i> , 2021 , 9, 2001553	8.1	6
44	Pick and Place Distributed Feedback Lasers Using Organic Single Crystals. <i>Advanced Optical Materials</i> , 2020 , 8, 1901785	8.1	5
43	PIN ⁺ top-emitting organic light-emitting diodes with MoO _x as the electrical and optical modification layers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 1168-1174	1.6	5
42	Cell Force-Driven Basement Membrane Disruption Fuels EGF- and Stiffness-Induced Invasive Cell Dissemination from Benign Breast Gland Acini. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
41	A high performance liquid chromatography method to determine phenanthroline derivatives used in OLEDs and OSCs. <i>Synthetic Metals</i> , 2012 , 162, 1834-1838	3.6	4
40	Biomaterial Laser: All-Biomaterial Laser Using Vitamin and Biopolymers (Adv. Mater. 41/2013). <i>Advanced Materials</i> , 2013 , 25, 5988-5988	24	4
39	Orientation of OLED Emitter Molecules Revealed by XRD 2016 ,		4
38	Intrinsic OLED emitter properties and their effect on device performance 2008 ,		3
37	Willin/FRMD6 Influences Mechanical Phenotype and Neuronal Differentiation in Mammalian Cells by Regulating ERK1/2 Activity. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 552213	6.1	3
36	Elastomer based electrically tunable, optical microcavities. <i>Applied Physics Letters</i> , 2016 , 109, 171104	3.4	3
35	Fast Delayed Emission in New Pyridazine-Based Compounds. <i>Frontiers in Chemistry</i> , 2020 , 8, 572862	5	3
34	3-2: Invited Paper: Color on Demand [Color-Tunable OLEDs for Lighting and Displays. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 5-8	0.5	2
33	Distributed Feedback Lasers Based on Green Fluorescent Protein and Conformal High Refractive Index Oxide Layers. <i>Laser and Photonics Reviews</i> , 2020 , 14, 2000101	8.3	2
32	Improved light outcoupling and mode analysis of top-emitting OLEDs on periodically corrugated substrates 2013 ,		2

31	Surface plasmon polariton modification in top-emitting organic light-emitting diodes for enhanced light outcoupling 2014 ,		2
30	43.3: Inverted Top-Emitting White OLEDs with Improved Optical and Electrical Characteristics. <i>Digest of Technical Papers SID International Symposium</i> , 2013 , 44, 600-603	0.5	2
29	Measuring the dipole orientation in OLEDs 2010 ,		2
28	Measuring the internal luminescence quantum efficiency of OLED emitter materials in electrical operation 2010 ,		2
27	P-181: Solution-Processed Full-Color Polymer-OLED Displays Fabricated by Direct Photolithography. <i>Digest of Technical Papers SID International Symposium</i> , 2006 , 37, 909	0.5	2
26	KIAA0319 influences cilia length, cell migration and mechanical cell-substrate interaction.. <i>Scientific Reports</i> , 2022 , 12, 722	4.9	2
25	Monitoring contractility in single cardiomyocytes and whole hearts with bio-integrated microlasers		2
24	Phase-Locked Lasing in 1D and 2D Patterned Metal/Organic Microcavities. <i>Laser and Photonics Reviews</i> , 2018 , 12, 1800054	8.3	2
23	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 60-65	3.8	1
22	Strong light-matter interactions and exciton-polaritons in organic materials 2019 , 281-307		1
21	All-Biomaterial Laser using Vitamin and Biopolymers. <i>Advanced Materials</i> , 2013 , n/a-n/a	24	1
20	Optical Amplification of Propagating Surface Plasmon Polaritons 2011 ,		1
19	Fabrication of parabolic nanofocusing x-ray lenses 2004 , 5539, 38		1
18	Organic Light-Emitting Diodes for Optogenetic Stimulation of Drosophila Larvae 2016 ,		1
17	Segment-Specific Optogenetic Stimulation in Drosophila melanogaster with Linear Arrays of Organic Light-Emitting Diodes		1
16	Spectroscopic near-infrared photodetectors enabled by strong light-matter coupling in (6,5) single-walled carbon nanotubes. <i>Journal of Chemical Physics</i> , 2020 , 153, 201104	3.9	1
15	Organic Electronics and Beyond. <i>Advanced Optical Materials</i> , 2021 , 9, 2101108	8.1	1
14	20-1: Invited Paper: Towards Deep-Blue Materials with Efficient Triplet Harvesting. <i>Digest of Technical Papers SID International Symposium</i> , 2018 , 49, 239-242	0.5	1

13	Detection of vibrations in the audio range using photorefractive polymers 2006 , 6335, 60		o
12	Real-time imaging of cellular forces using optical interference. <i>Nature Communications</i> , 2021 , 12, 3552	17.4	o
11	Effective permittivity of co-evaporated metal-organic mixed films. <i>Journal of Applied Physics</i> , 2021 , 129, 083101	2.5	o
10	Red-Shifted Excitation and Two-Photon Pumping of Biointegrated GaInP/AlGaInP Quantum Well Microlasers.. <i>ACS Photonics</i> , 2022 , 9, 952-960	6.3	o
9	50-1: Invited Paper: Recent Advances in Measuring and Understanding the Influence of Molecular Alignment on the Light Extraction Efficiency of OLEDs. <i>Digest of Technical Papers SID International Symposium</i> , 2017 , 48, 742-745	0.5	
8	Triplet Harvesting in White Organic Light-Emitting Diodes. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1629, 1		
7	LONG-RANGE SURFACE PLASMON POLARITON WAVEGUIDES AND DEVICES. <i>World Scientific Series in Nanoscience and Nanotechnology</i> , 2011 , 197-230	0.1	
6	P-153: Internal Electric Field Study for Green Phosphorescent Polymer Light-Emitting Diodes with Crosslinked Interlayers. <i>Digest of Technical Papers SID International Symposium</i> , 2007 , 38, 776-779	0.5	
5	Impact of pre-illumination in PVK-based photorefractive polymers for holographic imaging applications 2005 , 5939, 20		
4	Inexpensive Methods for Live Imaging of Central Pattern Generator Activity in the Larval Locomotor System. <i>Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience</i> , 2020 , 19, A124-A133	0.6	
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