Malte C Gather

List of Publications by Year in Descending Order

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	KIAA0319 influences cilia length, cell migration and mechanical cell-substrate interaction.. *Scientific Reports*, **2022**, 12, 722	4.9	2
173	Red-Shifted Excitation and Two-Photon Pumping of Biointegrated GaInP/AlGaInP Quantum Well Microlasers.. *ACS Photonics*, **2022**, 9, 952-960	6.3	0
172	Cell Force-Driven Basement Membrane Disruption Fuels EGF- and Stiffness-Induced Invasive Cell Dissemination from Benign Breast Gland Acini. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
171	Emerging Biomedical Applications of Organic Light-Emitting Diodes. *Advanced Optical Materials*, **2021**, 9, 2100269	8.1	11
170	Real-time imaging of cellular forces using optical interference. *Nature Communications*, **2021**, 12, 3552	17.4	0
169	Organic Electronics and Beyond. *Advanced Optical Materials*, **2021**, 9, 2101108	8.1	1
168	Improving the Thermal Stability of Top-Emitting Organic Light-Emitting Diodes by Modification of the Anode Interface. *Advanced Optical Materials*, **2021**, 9, 2001642	8.1	8
167	Accurate Efficiency Measurements of Organic Light-Emitting Diodes via Angle-Resolved Spectroscopy. *Advanced Optical Materials*, **2021**, 9, 2000838	8.1	11
166	Narrow Stimulated Resonance Raman Scattering and WGM Lasing in Small Conjugated Polymer Particles for Live Cell Tagging and Tracking. *Advanced Optical Materials*, **2021**, 9, 2001553	8.1	6
165	Effective permittivity of co-evaporated metal-organic mixed films. *Journal of Applied Physics*, **2021**, 129, 083101	2.5	0
164	Identification of the Key Parameters for Horizontal Transition Dipole Orientation in Fluorescent and TADF Organic Light-Emitting Diodes. *Advanced Materials*, **2021**, 33, e2100677	24	25
163	Distributed Feedback Lasers Based on Green Fluorescent Protein and Conformal High Refractive Index Oxide Layers. *Laser and Photonics Reviews*, **2020**, 14, 2000101	8.3	2
162	Organic Light-Emitting Diodes Based on a Columnar Liquid-Crystalline Perylene Emitter. *Advanced Optical Materials*, **2020**, 8, 2000414	8.1	9
161	Monitoring contractility in cardiac tissue with cellular resolution using biointegrated microlasers. *Nature Photonics*, **2020**, 14, 452-458	33.9	38
160	Preparation of WS2/PMMA composite films for optical applications. *Journal of Materials Chemistry C*, **2020**, 8, 10805-10815	7.1	6
159	Direct measurement of vertical forces shows correlation between mechanical activity and proteolytic ability of invadopodia. *Science Advances*, **2020**, 6, eaax6912	14.3	20
158	Pick and Place Distributed Feedback Lasers Using Organic Single Crystals. *Advanced Optical Materials*, **2020**, 8, 1901785	8.1	5

157	245 MHz bandwidth organic light-emitting diodes used in a gigabit optical wireless data link. *Nature Communications*, **2020**, 11, 1171	17.4	29
156	Exciton efficiency beyond the spin statistical limit in organic light emitting diodes based on anthracene derivatives. *Journal of Materials Chemistry C*, **2020**, 8, 3773-3783	7.1	13
155	Development of Very High Luminance pin Junction-Based Blue Fluorescent Organic Light-Emitting Diodes. *Advanced Optical Materials*, **2020**, 8, 1901721	8.1	7
154	Inexpensive Methods for Live Imaging of Central Pattern Generator Activity in the Larval Locomotor System. *Journal of Undergraduate Neuroscience Education: JUNE: A Publication of FUN, Faculty for Undergraduate Neuroscience*, **2020**, 19, A124-A133	0.6	
153	Cardiac Sensing with Bio-Integrated Microlasers. *Optics and Photonics News*, **2020**, 31, 55	1.9	
152	Cortical cell stiffness is independent of substrate mechanics. *Nature Materials*, **2020**, 19, 1019-1025	27	39
151	Bipyridine-Containing Host Materials for High Performance Yellow Thermally Activated Delayed Fluorescence-Based Organic Light Emitting Diodes with Very Low Efficiency Roll-Off. *Advanced Optical Materials*, **2020**, 8, 1901283	8.1	12
150	Willin/FRMD6 Influences Mechanical Phenotype and Neuronal Differentiation in Mammalian Cells by Regulating ERK1/2 Activity. *Frontiers in Cellular Neuroscience*, **2020**, 14, 552213	6.1	3
149	A substrateless, flexible, and water-resistant organic light-emitting diode. *Nature Communications*, **2020**, 11, 6250	17.4	37
148	Spectroscopic near-infrared photodetectors enabled by strong light-matter coupling in (6,5) single-walled carbon nanotubes. *Journal of Chemical Physics*, **2020**, 153, 201104	3.9	1
147	Segment-specific optogenetic stimulation in Drosophila melanogaster with linear arrays of organic light-emitting diodes. *Nature Communications*, **2020**, 11, 6248	17.4	6
146	Fast Delayed Emission in New Pyridazine-Based Compounds. *Frontiers in Chemistry*, **2020**, 8, 572862	5	3
145	1,3,4-Oxadiazole-based Deep Blue Thermally Activated Delayed Fluorescence Emitters for Organic Light Emitting Diodes. *Journal of Physical Chemistry C*, **2019**, 123, 24772-24785	3.8	17
144	Photostimulation for In Vitro Optogenetics with High-Power Blue Organic Light-Emitting Diodes. *Advanced Biology*, **2019**, 3, e1800290	3.5	16
143	Strong light-matter interactions and exciton-polaritons in organic materials **2019**, 281-307		1
142	Patterning Multicolor Hybrid Perovskite Films via Top-Down Lithography. *ACS Nano*, **2019**, 13, 3823-3829	16.7	49
141	Strong light-matter coupling for reduced photon energy losses in organic photovoltaics. *Nature Communications*, **2019**, 10, 3706	17.4	43
140	Developing Next-generation Brain Sensing Technologies - A Review. *IEEE Sensors Journal*, **2019**, 19,	4	9

139	Narrowband Organic Light-Emitting Diodes for Fluorescence Microscopy and Calcium Imaging. *Advanced Materials*, **2019**, 31, e1903599	24	13
138	Low-threshold polariton lasing in a highly disordered conjugated polymer. *Optica*, **2019**, 6, 1124	8.6	24
137	Investigating the molecular orientation of Ir(ppy)3 and Ir(ppy)2(acac) emitter complexes by X-ray diffraction. *Organic Electronics*, **2018**, 53, 198-204	3.5	18
136	Infrared Organic Light-Emitting Diodes with Carbon Nanotube Emitters. *Advanced Materials*, **2018**, 30, e1706711	24	42
135	Time-Resolved Studies of Energy Transfer in Thin Films of Green and Red Fluorescent Proteins. *Advanced Functional Materials*, **2018**, 28, 1706300	15.6	12
134	Ultrastrong Coupling of Electrically Pumped Near-Infrared Exciton-Polaritons in High Mobility Polymers. *Advanced Optical Materials*, **2018**, 6, 1700962	8.1	27
133	Tuning charge carrier transport and optical birefringence in liquid-crystalline thin films: A new design space for organic light-emitting diodes. *Scientific Reports*, **2018**, 8, 699	4.9	22
132	Flexible and ultra-lightweight polymer membrane lasers. *Nature Communications*, **2018**, 9, 1525	17.4	88
131	Analysis of the Precision, Robustness, and Speed of Elastic Resonator Interference Stress Microscopy. *Biophysical Journal*, **2018**, 114, 2180-2193	2.9	9
130	Trion-Polariton Formation in Single-Walled Carbon Nanotube Microcavities. *ACS Photonics*, **2018**, 5, 2074-2080	6.5	14
129	Non-obstructive intracellular nanolasers. *Nature Communications*, **2018**, 9, 4817	17.4	44
128	Deep-Blue Oxadiazole-Containing Thermally Activated Delayed Fluorescence Emitters for Organic Light-Emitting Diodes. *ACS Applied Materials & Interfaces*, **2018**, 10, 33360-33372	9.5	58
127	20-1: Invited Paper: Towards Deep-Blue Materials with Efficient Triplet Harvesting. *Digest of Technical Papers SID International Symposium*, **2018**, 49, 239-242	0.5	1
126	The Role of Metallic Dopants in Improving the Thermal Stability of the Electron Transport Layer in Organic Light-Emitting Diodes. *Advanced Optical Materials*, **2018**, 6, 1800496	8.1	13
125	Investigating the Onset of the Strong Coupling Regime by Fine-Tuning the Rabi Splitting in Multilayer Organic Microcavities. *Advanced Optical Materials*, **2018**, 6, 1800203	8.1	7
124	Three-terminal RGB full-color OLED pixels for ultrahigh density displays. *Scientific Reports*, **2018**, 8, 9684	4.9	29
123	Podocyte injury elicits loss and recovery of cellular forces. *Science Advances*, **2018**, 4, eaap8030	14.3	11
122	Phase-Locked Lasing in 1D and 2D Patterned Metal–Organic Microcavities. *Laser and Photonics Reviews*, **2018**, 12, 1800054	8.3	2

121	Molding Photonic Boxes into Fluorescent Emitters by Direct Laser Writing. *Advanced Materials*, **2017**, 29, 1605236	24	7
120	Single cell induced optical confinement in biological lasers. *Journal Physics D: Applied Physics*, **2017**, 50, 084005	3	6
119	Influence of optical material properties on strong coupling in organic semiconductor based microcavities. *Applied Physics Letters*, **2017**, 110, 153302	3.4	18
118	Long-term imaging of cellular forces with high precision by elastic resonator interference stress microscopy. *Nature Cell Biology*, **2017**, 19, 864-872	23.4	39
117	50-1: Invited Paper: Recent Advances in Measuring and Understanding the Influence of Molecular Alignment on the Light Extraction Efficiency of OLEDs. *Digest of Technical Papers SID International Symposium*, **2017**, 48, 742-745	0.5	
116	3-2: Invited Paper: Color on Demand Color-Tunable OLEDs for Lighting and Displays. *Digest of Technical Papers SID International Symposium*, **2017**, 48, 5-8	0.5	2
115	Electrical pumping and tuning of exciton-polaritons in carbon nanotube microcavities. *Nature Materials*, **2017**, 16, 911-917	27	78
114	Lasing in Live Mitotic and Non-Phagocytic Cells by Efficient Delivery of Microresonators. *Scientific Reports*, **2017**, 7, 40877	4.9	25
113	Strong Coupling in Fully Tunable Microcavities Filled with Biologically Produced Fluorescent Proteins. *Advanced Optical Materials*, **2017**, 5, 1600659	8.1	19
112	Integration of spectral coronagraphy within VIPA-based spectrometers for high extinction Brillouin imaging. *Optics Express*, **2017**, 25, 6895-6903	3.3	24
111	. *IEEE Journal of Selected Topics in Quantum Electronics*, **2016**, 22, 60-65	3.8	1
110	High-brightness organic light-emitting diodes for optogenetic control of Drosophila locomotor behaviour. *Scientific Reports*, **2016**, 6, 31117	4.9	30
109	Near-infrared exciton-polaritons in strongly coupled single-walled carbon nanotube microcavities. *Nature Communications*, **2016**, 7, 13078	17.4	66
108	Arrays of microscopic organic LEDs for high-resolution optogenetics. *Science Advances*, **2016**, 2, e1600061	14.3	50
107	Bioabsorbable polymer optical waveguides for deep-tissue photomedicine. *Nature Communications*, **2016**, 7, 10374	17.4	130
106	Organic Light-Emitting Diodes for Optogenetic Stimulation of Drosophila Larvae **2016**,		1
105	Orientation of OLED Emitter Molecules Revealed by XRD **2016**,		4
104	Carpe lucem: harnessing organic light sources for optogenetics. *Biochemist*, **2016**, 38, 4-7	0.5	

103	52-1: Invited Paper: OLED Microdisplays Control Cell Behavior through Optogenetics. *Digest of Technical Papers SID International Symposium*, **2016**, 47, 699-702	0.5	
102	Elastomer based electrically tunable, optical microcavities. *Applied Physics Letters*, **2016**, 109, 171104	3.4	3
101	An exciton-polariton laser based on biologically produced fluorescent protein. *Science Advances*, **2016**, 2, e1600666	14.3	128
100	Optofluidic distributed feedback lasers with evanescent pumping: Reduced threshold and angular dispersion analysis. *Applied Physics Letters*, **2016**, 108, 261101	3.4	14
99	Broadband Tunable, Polarization-Selective and Directional Emission of (6,5) Carbon Nanotubes Coupled to Plasmonic Crystals. *Nano Letters*, **2016**, 16, 3278-84	11.5	27
98	Organic Lasers: Recent Developments on Materials, Device Geometries, and Fabrication Techniques. *Chemical Reviews*, **2016**, 116, 12823-12864	68.1	440
97	Impact of temperature on the efficiency of organic light emitting diodes. *Organic Electronics*, **2015**, 26, 158-163	3.5	15
96	Lasing within Live Cells Containing Intracellular Optical Microresonators for Barcode-Type Cell Tagging and Tracking. *Nano Letters*, **2015**, 15, 5647-52	11.5	119
95	Recent advances in light outcoupling from white organic light-emitting diodes. *Journal of Photonics for Energy*, **2015**, 5, 057607	1.2	130
94	Get it white: color-tunable AC/DC OLEDs. *Light: Science and Applications*, **2015**, 4, e247-e247	16.7	92
93	Transparent organic light-emitting diodes with different bi-directional emission colors using color-conversion capping layers. *Journal of Luminescence*, **2015**, 162, 180-184	3.8	9
92	Color temperature tuning of white organic light-emitting diodes via spatial control of micro-cavity effects based on thin metal strips. *Organic Electronics*, **2015**, 26, 334-339	3.5	17
91	A Simple Approach to Biological Single-Cell Lasers Via Intracellular Dyes. *Advanced Optical Materials* , **2015**, 3, 1197-1200	8.1	21
90	Enhanced light emission from top-emitting organic light-emitting diodes by optimizing surface plasmon polariton losses. *Physical Review B*, **2015**, 92,	3.3	29
89	Cellular dye lasers: lasing thresholds and sensing in a planar resonator. *Optics Express*, **2015**, 23, 27865-79	3.3	27
88	White top-emitting organic light-emitting diodes with solution-processed nano-particle scattering layers. *Applied Physics Letters*, **2015**, 107, 233301	3.4	9
87	White organic light-emitting diodes with 4 nm metal electrode. *Applied Physics Letters*, **2015**, 107, 163302	3.4	21
86	Controlling the Behavior of Single Live Cells with High Density Arrays of Microscopic OLEDs. *Advanced Materials*, **2015**, 27, 7657-61	24	24

85	Microglia mechanics: immune activation alters traction forces and durotaxis. *Frontiers in Cellular Neuroscience*, **2015**, 9, 363	6.1	66
84	Influence of Cavity Thickness and Emitter Orientation on the Efficiency Roll-Off of Phosphorescent Organic Light-Emitting Diodes. *Advanced Functional Materials*, **2014**, 24, 1117-1124	15.6	41
83	Alternative p-doped hole transport material for low operating voltage and high efficiency organic light-emitting diodes. *Applied Physics Letters*, **2014**, 105, 113303	3.4	28
82	Correlating the transition dipole moment orientation of phosphorescent emitter molecules in OLEDs with basic material properties. *Journal of Materials Chemistry C*, **2014**, 2, 10298-10304	7.1	83
81	PIN top-emitting organic light-emitting diodes with MoOx as the electrical and optical modification layers. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 1168-1174	1.6	5
80	Photo-patterning of Highly Efficient State-of-the-Art Phosphorescent OLEDs Using Orthogonal Hydrofluoroethers. *Advanced Optical Materials*, **2014**, 2, 1043-1048	8.1	24
79	Engineering Blue Fluorescent Bulk Emitters for OLEDs: Triplet Harvesting by Green Phosphors. *Chemistry of Materials*, **2014**, 26, 2414-2426	9.6	16
78	Performance and lifetime of vacuum deposited organic light-emitting diodes: Influence of residual gases present during device fabrication. *Organic Electronics*, **2014**, 15, 3251-3258	3.5	11
77	Multi-state lasing in self-assembled ring-shaped green fluorescent protein microcavities. *Applied Physics Letters*, **2014**, 105, 233702	3.4	12
76	Surface plasmon polariton modification in top-emitting organic light-emitting diodes for enhanced light outcoupling **2014**,		2
75	Coherent mode coupling in highly efficient top-emitting OLEDs on periodically corrugated substrates. *Optics Express*, **2014**, 22, 7524-37	3.3	49
74	Lasing from fluorescent protein crystals. *Optics Express*, **2014**, 22, 31411-6	3.3	25
73	Optimizing the internal electric field distribution of alternating current driven organic light-emitting devices for a reduced operating voltage. *Applied Physics Letters*, **2014**, 104, 071105	3.4	14
72	Advances in small lasers. *Nature Photonics*, **2014**, 8, 908-918	33.9	323
71	Bio-optimized energy transfer in densely packed fluorescent protein enables near-maximal luminescence and solid-state lasers. *Nature Communications*, **2014**, 5, 5722	17.4	69
70	We Want Our Photons Back: Simple Nanostructures for White Organic Light-Emitting Diode Outcoupling. *Advanced Functional Materials*, **2014**, 24, 2553-2559	15.6	61
69	Triplet Harvesting in White Organic Light-Emitting Diodes. *Materials Research Society Symposia Proceedings*, **2014**, 1629, 1		
68	Color-stable, ITO-free white organic light-emitting diodes with enhanced efficiency using solution-processed transparent electrodes and optical outcoupling layers. *Organic Electronics*, **2014** , 15, 1028-1034	3.5	33

67	Highly Efficient Color Stable Inverted White Top-Emitting OLEDs with Ultra-Thin Wetting Layer Top Electrodes. *Advanced Optical Materials*, **2013**, 1, 707-713	8.1	67
66	Nano-particle based scattering layers for optical efficiency enhancement of organic light-emitting diodes and organic solar cells. *Journal of Applied Physics*, **2013**, 113, 204502	2.5	125
65	Improved light outcoupling and mode analysis of top-emitting OLEDs on periodically corrugated substrates **2013**,		2
64	All-Biomaterial Laser using Vitamin and Biopolymers. *Advanced Materials*, **2013**, n/a-n/a	24	1
63	Chemical degradation mechanisms of highly efficient blue phosphorescent emitters used for organic light emitting diodes. *Organic Electronics*, **2013**, 14, 115-123	3.5	112
62	Straight-forward control of the degree of micro-cavity effects in organic light-emitting diodes based on a thin striped metal layer. *Organic Electronics*, **2013**, 14, 2444-2450	3.5	9
61	Novel P-I-N-P top-emitting organic light-emitting diodes with enhanced efficiency and stability. *Organic Electronics*, **2013**, 14, 2331-2340	3.5	9
60	Enhancing the efficiency of alternating current driven organic light-emitting devices by optimizing the operation frequency. *Organic Electronics*, **2013**, 14, 809-813	3.5	27
59	Understanding the influence of doping in efficient phosphorescent organic light-emitting diodes with an organic p□□ homojunction. *Organic Electronics*, **2013**, 14, 1695-1703	3.5	20
58	Color in the corners: ITO-free white OLEDs with angular color stability. *Advanced Materials*, **2013**, 25, 4006-13	24	212
57	Ultra-thin gold films on transparent polymers. *Nanophotonics*, **2013**, 2, 3-11	6.3	47
56	Achieving High Efficiency and Improved Stability in ITO-Free Transparent Organic Light-Emitting Diodes with Conductive Polymer Electrodes. *Advanced Functional Materials*, **2013**, 23, 3763-3769	15.6	112
55	Efficiency roll-off in organic light-emitting diodes. *Advanced Materials*, **2013**, 25, 6801-27	24	681
54	Quantitative allocation of Bragg scattering effects in highly efficient OLEDs fabricated on periodically corrugated substrates. *Optics Express*, **2013**, 21, 16319-30	3.3	33
53	Enhanced and balanced efficiency of white bi-directional organic light-emitting diodes. *Optics Express*, **2013**, 21, 28040-7	3.3	10
52	Investigation of triplet harvesting and outcoupling efficiency in highly efficient two-color hybrid white organic light-emitting diodes. *Physica Status Solidi (A) Applications and Materials Science*, **2013**, 210, 1467-1475	1.6	34
51	Eliminating Micro-Cavity Effects in White Top-Emitting OLEDs by Ultra-Thin Metallic Top Electrodes. *Advanced Optical Materials*, **2013**, 1, 921-925	8.1	46
50	Biomaterial Laser: All-Biomaterial Laser Using Vitamin and Biopolymers (Adv. Mater. 41/2013). *Advanced Materials*, **2013**, 25, 5988-5988	24	4

49	Bi-directional organic light-emitting diodes with nanoparticle-enhanced light outcoupling. *Laser and Photonics Reviews*, **2013**, 7, 1079-1087	8.3	15
48	43.3: Inverted Top-Emitting White OLEDs with Improved Optical and Electrical Characteristics. *Digest of Technical Papers SID International Symposium*, **2013**, 44, 600-603	0.5	2
47	All-biomaterial laser using vitamin and biopolymers. *Advanced Materials*, **2013**, 25, 5943-7	24	81
46	White light emission from alternating current organic light-emitting devices using high frequency color-mixing. *Physica Status Solidi (A) Applications and Materials Science*, **2013**, 210, 2439-2444	1.6	17
45	A rocky road to plasmonic lasers. *Nature Photonics*, **2012**, 6, 708-708	33.9	25
44	Influence of phosphorescent dopants in organic light-emitting diodes with an organic homojunction. *Applied Physics Letters*, **2012**, 101, 243303	3.4	13
43	Analysis of the external and internal quantum efficiency of multi-emitter, white organic light emitting diodes. *Applied Physics Letters*, **2012**, 101, 143304	3.4	20
42	Storage of charge carriers on emitter molecules in organic light-emitting diodes. *Physical Review B*, **2012**, 86,	3.3	81
41	Coupled plasmonic modes in organic planar microcavities. *Applied Physics Letters*, **2012**, 100, 253301	3.4	11
40	A high performance liquid chromatography method to determine phenanthroline derivatives used in OLEDs and OSCs. *Synthetic Metals*, **2012**, 162, 1834-1838	3.6	4
39	Monodisperse conjugated polymer particles by Suzuki-Miyaura dispersion polymerization. *Nature Communications*, **2012**, 3, 1088	17.4	75
38	Comparing the emissive dipole orientation of two similar phosphorescent green emitter molecules in highly efficient organic light-emitting diodes. *Applied Physics Letters*, **2012**, 101, 253304	3.4	107
37	Singlet exciton diffusion length in organic light-emitting diodes. *Physical Review B*, **2012**, 85,	3.3	43
36	A switchable digital microfluidic droplet dye-laser. *Lab on A Chip*, **2011**, 11, 3716-9	7.2	31
35	Lasing from Escherichia coli bacteria genetically programmed to express green fluorescent protein. *Optics Letters*, **2011**, 36, 3299-301	3	54
34	Optical Amplification of Propagating Surface Plasmon Polaritons **2011**,		1
33	Single-cell biological lasers. *Nature Photonics*, **2011**, 5, 406-410	33.9	248
32	White organic light-emitting diodes. *Advanced Materials*, **2011**, 23, 233-48	24	786

31	LONG-RANGE SURFACE PLASMON POLARITON WAVEGUIDES AND DEVICES. *World Scientific Series in Nanoscience and Nanotechnology*, **2011**, 197-230	0.1	
30	Net optical gain in a plasmonic waveguide embedded in a fluorescent polymer. *Nature Photonics*, **2010**, 4, 457-461	33.9	180
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	Highly color-stable solution-processed multilayer WOLEDs for lighting application. *Journal of Materials Chemistry*, **2010**, 20, 3301		45
26	Monolithic integration of multi-color organic LEDs by grayscale lithography. *Advanced Materials*, **2010**, 22, 4634-8	24	28
25	Orientation of emissive dipoles in OLEDs: Quantitative in situ analysis. *Organic Electronics*, **2010**, 11, 1039-1046	3.5	111
24	Towards organic light-emitting diode microdisplays with sub-pixel patterning. *Organic Electronics*, **2010**, 11, 57-61	3.5	30
23	Improving the lifetime of white polymeric organic light-emitting diodes. *Journal of Applied Physics*, **2009**, 106, 024506	2.5	13
22	Photoprogrammable organic light-emitting diodes. *Angewandte Chemie - International Edition*, **2009** , 48, 4038-41	16.4	95
21	Highly-efficient solution-processed phosphorescent multi-layer organic light-emitting diodes investigated by electromodulation spectroscopy. *Applied Physics B: Lasers and Optics*, **2009**, 95, 113-124	1.9	19
20	Dispersion-model-free determination of optical constants: application to materials for organic thin film devices. *Applied Optics*, **2009**, 48, 1507-13	0.2	17
19	In situ measurement of the internal luminescence quantum efficiency in organic light-emitting diodes. *Applied Physics Letters*, **2009**, 95, 263306	3.4	18
18	Measuring the profile of the emission zone in polymeric organic light-emitting diodes. *Applied Physics Letters*, **2009**, 94, 263301	3.4	37
17	An alignable fluorene thienothiophene copolymer with deep-blue electroluminescent emission at 410 nm. *Chemical Communications*, **2008**, 1079-81	5.8	44
16	Intrinsic OLED emitter properties and their effect on device performance **2008**,		3
15	Advanced Device Architecture for Highly Efficient Organic Light-Emitting Diodes with an Orange-Emitting Crosslinkable Iridium(III) Complex. *Advanced Materials*, **2008**, 20, 129-133	24	134
14	Embedding Organic Light-Emitting Diodes into Channel Waveguide Structures. *Advanced Materials*, **2008**, 20, 1966-1971	24	27

13	New crosslinkable hole conductors for blue-phosphorescent organic light-emitting diodes. *Angewandte Chemie - International Edition*, **2007**, 46, 4388-92	16.4	146
12	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-π* Optical Transition in Poly(9,9- dioctylfluorene-co-bithiophene). *Advanced Functional Materials*, **2007**, 17, 479-485	15.6	65
11	Solution-Processed Full-Color Polymer Organic Light-Emitting Diode Displays Fabricated by Direct Photolithography. *Advanced Functional Materials*, **2007**, 17, 191-200	15.6	249
10	On the Origin of the Color Shift in White-Emitting OLEDs. *Advanced Materials*, **2007**, 19, 4460-4465	24	112
9	Enhanced efficiency of multilayer organic light-emitting diodes with a low-refractive index hole-transport layer: An effect of improved outcoupling?. *Applied Physics Letters*, **2007**, 91, 113501	3.4	20
8	Determining the photoelectric parameters of an organic photoconductor by the photoelectromotive-force technique. *Physical Review B*, **2007**, 75,	3.3	20
7	P-153: Internal Electric Field Study for Green Phosphorescent Polymer Light-Emitting Diodes with Crosslinked Interlayers. *Digest of Technical Papers SID International Symposium*, **2007**, 38, 776-779	0.5	
6	Detection of vibrations in the audio range using photorefractive polymers **2006**, 6335, 60		0
5	P-181: Solution-Processed Full-Color Polymer-OLED Displays Fabricated by Direct Photolithography. *Digest of Technical Papers SID International Symposium*, **2006**, 37, 909	0.5	2
4	Impact of pre-illumination in PVK-based photorefractive polymers for holographic imaging applications **2005**, 5939, 20		
3	Fabrication of parabolic nanofocusing x-ray lenses **2004**, 5539, 38		1
2	Segment-Specific Optogenetic Stimulation in Drosophila melanogaster with Linear Arrays of Organic Light-Emitting Diodes		1
1	Monitoring contractility in single cardiomyocytes and whole hearts with bio-integrated microlasers		2