

# Emil J W List-Kratochvil

## 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.

242  
papers

9,962  
citations

45  
h-index

94  
g-index

268  
ext. papers

10,584  
ext. citations

6.1  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
242	Self-assembly and photoinduced fabrication of conductive nanographene wires on boron nitride.. <i>Nature Communications</i> , <b>2022</b> , 13, 442	17.4	0
241	Reversible training of waveguide-based AND/OR gates for optically driven artificial neural networks using photochromic molecules. <i>Journal Physics D: Applied Physics</i> , <b>2022</b> , 55, 044002	3	1
240	Organic Synaptic Diodes Based on Polymeric Mixed Ionic-Electronic Conductors. <i>Advanced Electronic Materials</i> , <b>2022</b> , 8, 2100866	6.4	1
239	Transparent electrodes based on molybdenum titanium oxide with increased water stability for use as hole-transport/hole-injection components. <i>Journal of Materials Science</i> , <b>2022</b> , 57, 8752-8766	4.3	1
238	Elastic Flexibility in an Optically Active Naphthalidenimine-Based Single Crystal. <i>Crystals</i> , <b>2021</b> , 11, 1397	2.3	1
237	Optimized synthesis of solution-processable crystalline poly(triazine imide) with minimized defects for OLED application. <i>Angewandte Chemie - International Edition</i> , <b>2021</b> , 61, e202111749	16.4	4
236	Type-I Energy Level Alignment at the PTCDA-Monolayer MoS Interface Promotes Resonance Energy Transfer and Luminescence Enhancement. <i>Advanced Science</i> , <b>2021</b> , 8, 2100215	13.6	1
235	Impact of Different Intermediate Layers on the Morphology and Crystallinity of TiO <sub>2</sub> Grown on Carbon Nanotubes by Atomic Layer Deposition. <i>Advanced Materials Interfaces</i> , <b>2021</b> , 8, 2100759	4.6	1
234	Benchmarking Electrolyte-Gated Monolayer MoS <sub>2</sub> Field-Effect Transistors in Aqueous Environments. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2021</b> , 15, 2100147	2.5	1
233	2D-MoS <sub>2</sub> goes 3D: transferring optoelectronic properties of 2D MoS <sub>2</sub> to a large-area thin film. <i>Npj 2D Materials and Applications</i> , <b>2021</b> , 5,	8.8	9
232	High performance organic light-emitting diodes employing ITO-free and flexible TiO /Ag/Al:ZnO electrodes.. <i>RSC Advances</i> , <b>2021</b> , 11, 17324-17331	3.7	2
231	Gas flow-assisted vacuum drying: identification of a novel process for attaining high-quality perovskite films. <i>Materials Advances</i> , <b>2021</b> , 2, 5365-5370	3.3	5
230	ITO-free OLEDs utilizing inkjet-printed and low temperature plasma-sintered Ag electrodes. <i>Flexible and Printed Electronics</i> , <b>2021</b> , 6, 015009	3.1	7
229	Comparing low-temperature thermal and plasma sintering processes of a tailored silver particle-free ink. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 6312-6322	2.1	5
228	Fast sputter deposition of MoOx/metal/MoOx transparent electrodes on glass and PET substrates. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 9047-9064	4.3	3
227	The Schottky-Mott Rule Expanded for Two-Dimensional Semiconductors: Influence of Substrate Dielectric Screening. <i>ACS Nano</i> , <b>2021</b> , 15, 14794-14803	16.7	2
226	Tuning the mechanical flexibility of organic molecular crystals by polymorphism for flexible optical waveguides. <i>CrystEngComm</i> , <b>2021</b> , 23, 5815-5825	3.3	11

225	Finally, inkjet-printed metal halide perovskite LEDs utilizing seed crystal templating of salty PEDOT:PSS. <i>Materials Horizons</i> , <b>2020</b> , 7, 1773-1781	14.4	20
224	Large and continuous tuning of the work function of indium tin oxide using simple mixing of self-assembled monolayers. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 241603	3.4	5
223	An Organic Borate Salt with Superior -Doping Capability for Organic Semiconductors. <i>Advanced Science</i> , <b>2020</b> , 7, 2001322	13.6	13
222	Modulating the luminance of organic light-emitting diodes via optical stimulation of a photochromic molecular monolayer at transparent oxide electrode. <i>Nanoscale</i> , <b>2020</b> , 12, 5444-5451	7.7	8
221	Simultaneous Effect of Ultraviolet Radiation and Surface Modification on the Work Function and Hole Injection Properties of ZnO Thin Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2020</b> , 217, 1900876	1.6	4
220	Excited-State Charge Transfer Enabling MoS <sub>2</sub> /Phthalocyanine Photodetectors with Extended Spectral Sensitivity. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 2837-2843	3.8	14
219	Utilizing Diels-Alder Click Chemistry to functionalize the organic-organic interface of semiconducting polymers. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 3302-3307	7.1	2
218	Conduction mechanisms in epitaxial NiO/Graphene gas sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2020</b> , 325, 128797	8.5	9
217	Advances in Inkjet-Printed Metal Halide Perovskite Photovoltaic and Optoelectronic Devices. <i>Energy Technology</i> , <b>2020</b> , 8, 1900991	3.5	35
216	Unraveling Reversible Quenching Processes of O <sub>2</sub> , N <sub>2</sub> , Ar, and H <sub>2</sub> O in Metal Halide Perovskites at Moderate Photon Flux Densities. <i>Advanced Optical Materials</i> , <b>2020</b> , 9, 2001317	8.1	7
215	One-pot synthesis of a stable and cost-effective silver particle-free ink for inkjet-printed flexible electronics. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 16443-16451	7.1	8
214	Gentle plasma process for embedded silver-nanowire flexible transparent electrodes on temperature-sensitive polymer substrates. <i>Nanotechnology</i> , <b>2020</b> , 31, 365303	3.4	8
213	Implementation of Flexible Embedded Nanowire Electrodes in Organic Light-Emitting Diodes. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2020</b> , 14, 2000305	2.5	1
212	Mechanochemical Syntheses of Isostructural Luminescent Cocrystals of 9-Anthracenecarboxylic Acid with two Dipyridines Coformers. <i>Crystals</i> , <b>2020</b> , 10, 889	2.3	2
211	Thermally Activated Gold-Mediated Transition Metal Dichalcogenide Exfoliation and a Unique Gold-Mediated Transfer. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2020</b> , 14, 2000408	2.5	10
210	Using Active Surface Plasmons in a Multibit Optical Storage Device to Emulate Long-Term Synaptic Plasticity. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2020</b> , 217, 2000354	1.6	1
209	Nanocrystalline Ga <sub>2</sub> O <sub>3</sub> films deposited by spray pyrolysis from water-based solutions on glass and TCO substrates. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 69-77	7.1	24
208	Dynamically Switching the Electronic and Electrostatic Properties of Indium Tin Oxide Electrodes with Photochromic Monolayers: Toward Photoswitchable Optoelectronic Devices. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1102-1110	5.6	15

207	Depth Profiling of Organic Light-Emitting Diodes by ToF-SIMS Coupled with Wavelet Principal Component Analysis. <i>ACS Applied Polymer Materials</i> , <b>2019</b> , 1, 1821-1828	4.3	4
206	Rapid Processing of In-Doped ZnO by Spray Pyrolysis from Environment-Friendly Precursor Solutions. <i>Coatings</i> , <b>2019</b> , 9, 245	2.9	4
205	Design and Development of Oleoresins Rich in Carotenoids Coated Microbeads. <i>Coatings</i> , <b>2019</b> , 9, 235	2.9	17
204	Pulsed thermal deposition of binary and ternary transition metal dichalcogenide monolayers and heterostructures. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 162101	3.4	9
203	Bis(tercarbazole) pyrene and tetrahydropyrene derivatives: photophysical and electrochemical properties, theoretical modeling, and OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5009-5018	7.1	10
202	Switching the Electronic Properties of ZnO Surfaces with Negative T-Type Photochromic Pyridyl-dihydropyrene Layers and Impact of Fermi Level Pinning. <i>Advanced Materials Interfaces</i> , <b>2019</b> , 6, 1900211	4.6	10
201	Up-scalable ITO-free organic light emitting diodes based on embedded inkjet-printed copper grids. <i>Flexible and Printed Electronics</i> , <b>2019</b> , 4, 025004	3.1	5
200	Polymer interlayers on flexible PET substrates enabling ultra-high performance, ITO-free dielectric/metal/dielectric transparent electrode. <i>Materials and Design</i> , <b>2019</b> , 168, 107663	8.1	21
199	In-depth investigation of the charge extraction efficiency for thermally annealed inverted bulk-heterojunction solar cells. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 034502	2.5	3
198	Potential modulations in flatland: near-infrared sensitization of MoS phototransistors by a solvatochromic dye directly tethered to sulfur vacancies. <i>Scientific Reports</i> , <b>2019</b> , 9, 16682	4.9	5
197	Metal particle-free inks for printed flexible electronics. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 15098-15117	7.1	30
196	Bulky, dendronized iridium complexes and their photoluminescence. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 15252-15258	7.1	4
195	Implementing Inkjet-Printed Transparent Conductive Electrodes in Solution-Processed Organic Electronics. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800474	6.8	9
194	Printed Copper Nanoparticle Metal Grids for Cost-Effective ITO-Free Solution Processed Solar Cells. <i>Solar Rrl</i> , <b>2018</b> , 2, 1700192	7.1	19
193	Direct determination of monolayer MoS <sub>2</sub> and WSe <sub>2</sub> exciton binding energies on insulating and metallic substrates. <i>2D Materials</i> , <b>2018</b> , 5, 025003	5.9	100
192	Stability evaluation and gate-distance effects on electrolyte-gated organic field-effect transistor based on organic semiconductors <b>2018</b> ,		2
191	Energy Transfer between Cyano-Ether PPV and InGaN/GaN Quantum Wells with Large Piezoelectric Fields. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2018</b> , 215, 1800322	1.6	
190	Truly Low Temperature Sintering of Printed Copper Ink Using Formic Acid. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1800146	6.8	19

189	Versatile and Scalable Strategy To Grow Sol-Gel Derived 2H-MoS Thin Films with Superior Electronic Properties: A Memristive Case. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 34392-34400	9.5	15
188	Dynamic Photoswitching of Electron Energy Levels at Hybrid ZnO/Organic Photochromic Molecule Junctions. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1800716	15.6	22
187	Fingerprint of Charge Redistribution in the Optical Spectra of Hybrid Inorganic/Organic Semiconductor Interfaces. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 12913-12919	3.8	6
186	Chemical Analysis of the Interface in Bulk-Heterojunction Solar Cells by X-ray Photoelectron Spectroscopy Depth Profiling. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3842-3848	9.5	17
185	Monotonic and cyclic mechanical reliability of metallization lines on polymer substrates. <i>Journal of Materials Research</i> , <b>2017</b> , 32, 1760-1769	2.5	19
184	Inkjet-printed embedded Ag-PEDOT:PSS electrodes with improved light out coupling effects for highly efficient ITO-free blue polymer light emitting diodes. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 101107	3.4	37
183	Role of Hybrid Charge Transfer States in the Charge Generation at ZnMgO/P3HT Heterojunctions. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 21955-21961	3.8	9
182	Aluminum-nanodisc-induced collective lattice resonances: Controlling the light extraction in organic light emitting diodes. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 173301	3.4	7
181	Adjusting the emission color of organic light-emitting diodes through aluminum nanodisc arrays. <i>Optical Engineering</i> , <b>2017</b> , 56, 1	1.1	5
180	Tetraaryl pyrenes: photophysical properties, computational studies, crystal structures, and application in OLEDs. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 3041-3058	7.1	28
179	Relationship between mechanical damage and electrical degradation in polymer-supported metal films subjected to cyclic loading. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2016</b> , 662, 157-161	5.3	18
178	Modeling of Filamentary Conduction in Organic Thin Film Memories and Comparison With Experimental Data. <i>IEEE Nanotechnology Magazine</i> , <b>2016</b> , 15, 60-69	2.6	3
177	The effect of bending loading conditions on the reliability of inkjet printed and evaporated silver metallization on polymer substrates. <i>Microelectronics Reliability</i> , <b>2016</b> , 56, 109-113	1.2	19
176	Blue Light Emitting Polyphenylene Dendrimers with Bipolar Charge Transport Moieties. <i>Molecules</i> , <b>2016</b> , 21,	4.8	10
175	Multidiffractive Broadband Plasmonic Absorber. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 435-443	8.1	22
174	High performance indium tin oxide-free solution-processed organic light emitting diodes based on inkjet-printed fine silver grid lines. <i>Flexible and Printed Electronics</i> , <b>2016</b> , 1, 035004	3.1	19
173	All-solution-processed multilayer polymer/dendrimer light emitting diodes. <i>Organic Electronics</i> , <b>2016</b> , 35, 164-170	3.5	17
172	Inkjet-Printed Resistive Switching Memory Based on Organic Dielectric Materials: From Single Elements to Array Technology. <i>Advanced Electronic Materials</i> , <b>2015</b> , 1, 1400003	6.4	17

171	Properties of transparent and conductive Al:ZnO/Au/Al:ZnO multilayers on flexible PET substrates. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2015</b> , 200, 84-92	3.1	23
170	A paper based, all organic, reference-electrode-free ion sensing platform. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 5095-5102	7.3	7
169	Non-volatile resistive photo-switches for flexible image detector arrays <b>2015</b> ,		1
168	Recent progress in printed 2/3D electronic devices <b>2015</b> ,		5
167	Organic non-volatile resistive photo-switches for flexible image detector arrays. <i>Advanced Materials</i> , <b>2015</b> , 27, 1048-52	24	76
166	Integrated catheter system for continuous glucose measurement and simultaneous insulin infusion. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 64, 102-10	11.8	28
165	Direct observation of conductive filament formation in Alq3 based organic resistive memories. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 075501	2.5	30
164	Monolithically integrated organic resistive switches for luminance and emission color manipulation in polymer light emitting diodes. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 133301	3.4	4
163	Resistive switching based on filaments in metal/PMMA/metal thin film devices. <i>Japanese Journal of Applied Physics</i> , <b>2015</b> , 54, 120301	1.4	9
162	Unravelling the nature of unipolar resistance switching in organic devices by utilizing the photovoltaic effect. <i>Advanced Materials</i> , <b>2014</b> , 26, 2508-13	24	48
161	Simultaneous extraction of charge density dependent mobility and variable contact resistance from thin film transistors. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 193501	3.4	34
160	Colloidal Self-Assembly of Semiconducting Polymer Nanospheres: A Novel Route to Functional Architectures for Organic Electronic Devices <b>2014</b> , 371-398		
159	Hydrogen ion-selective electrolyte-gated organic field-effect transistor for pH sensing. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 193305	3.4	15
158	The single-port concept: combining optical glucose measurement with insulin infusion. <i>Acta Diabetologica</i> , <b>2014</b> , 51, 883-6	3.9	7
157	Effect of thermal annealing in vacuum on the photovoltaic properties of electrodeposited Cu2O-absorber solar cell. <i>EPJ Photovoltaics</i> , <b>2014</b> , 5, 50301	0.7	10
156	Highly robust electron beam lithography lift-off process using chemically amplified positive tone resist and PEDOT:PSS as a protective coating. <i>Journal of Micromechanics and Microengineering</i> , <b>2014</b> , 24, 095010	2	4
155	Controlling Polymer Solubility: Polyfluorenes with Branched Semiperfluorinated Side Chains for Polymer Light-Emitting Diodes. <i>Israel Journal of Chemistry</i> , <b>2014</b> , 54, 736-747	3.4	4
154	CHAPTER 7. Solution Processed Multilayer Organic Light Emitting Diodes. <i>RSC Smart Materials</i> , <b>2014</b> , 226-272	0.6	1

153	Core-and-surface-functionalized polyphenylene dendrimers for solution-processed, pure-blue light-emitting diodes through surface-to-core energy transfer. <i>Macromolecular Rapid Communications</i> , <b>2014</b> , 35, 1931-6	4.8	17
152	Ion-selective electrolyte-gated field-effect transistors: prerequisites for proper functioning <b>2014</b> ,		1
151	A silver inkjet printed ferrite NFC antenna <b>2014</b> ,		13
150	Photovoltaic properties of thin film heterojunctions with cupric oxide absorber. <i>Journal of Renewable and Sustainable Energy</i> , <b>2013</b> , 5, 011205	2.5	52
149	Variable tunneling barriers in FEBID based PtC metal-matrix nanocomposites as a transducing element for humidity sensing. <i>Nanotechnology</i> , <b>2013</b> , 24, 305501	3.4	44
148	Electrolyte-gated organic field-effect transistor for selective reversible ion detection. <i>Advanced Materials</i> , <b>2013</b> , 25, 6895-9	24	78
147	Influence of the bridging atom in fluorene analogue low-bandgap polymers on photophysical and morphological properties of copper indium sulfide/polymer nanocomposite solar cells. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2013</b> , 51, 1400-1410	2.6	12
146	Organic field-effect transistor based sensors with sensitive gate dielectrics used for low-concentration ammonia detection. <i>Organic Electronics</i> , <b>2013</b> , 14, 500-504	3.5	37
145	A heterotriangulene polymer for air-stable organic field-effect transistors. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 5337	4.9	22
144	Highly efficient color-stable deep-blue multilayer PLEDs: preventing PEDOT:PSS-induced interface degradation. <i>Advanced Materials</i> , <b>2013</b> , 25, 4420-4	24	38
143	Bis(carbazolyl) derivatives of pyrene and tetrahydropyrene: synthesis, structures, optical properties, electrochemistry, and electroluminescence. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 1638	7.1	72
142	Bright Blue Solution Processed Triple-Layer Polymer Light-Emitting Diodes Realized by Thermal Layer Stabilization and Orthogonal Solvents. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4897-4905	15.6	45
141	Single-port glucose monitoring with simultaneous insulin infusion. <i>Biomedizinische Technik</i> , <b>2013</b> , 58 Suppl 1,	1.3	1
140	Electrolyte-gated organic field-effect transistors for sensing in aqueous media <b>2013</b> ,		3
139	Effect of AZO Substrates on Self-Seeded Electrochemical Growth of Vertically Aligned ZnO Nanorod Arrays and Their Optical Properties. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-14	3.2	9
138	Focus Issue: Organic light-emitting diodes-status quo and current developments. <i>Optics Express</i> , <b>2011</b> , 19 Suppl 6, A1237-40	3.3	1
137	Deep blue polymer light emitting diodes based on easy to synthesize, non-aggregating polypyrene. <i>Optics Express</i> , <b>2011</b> , 19 Suppl 6, A1281-93	3.3	19
136	Organic field-effect transistors: a combined study on short-channel effects and the influence of substrate pre-treatment on ambient stability <b>2011</b> ,		4

135	Molecular triangles: synthesis, self-assembly, and blue emission of cyclo-7,10-tris-triphenylenyl macrocycles. <i>Chemistry - an Asian Journal</i> , <b>2011</b> , 6, 3001-10	4.5	31
134	A Direct Route Towards Polymer/Copper Indium Sulfide Nanocomposite Solar Cells. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 1046-1050	21.8	97
133	An investigation on focused electron/ion beam induced degradation mechanisms of conjugated polymers. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 20235-40	3.6	20
132	Core, shell, and surface-optimized dendrimers for blue light-emitting diodes. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 1301-3	16.4	107
131	Metal sulfide/polymer nanocomposite thin films prepared by a direct formation route for photovoltaic applications. <i>Thin Solid Films</i> , <b>2011</b> , 519, 4201-4206	2.2	23
130	Structure and electrical properties of nanoparticulate tungsten oxide prepared by microwave plasma synthesis. <i>Journal of Physics Condensed Matter</i> , <b>2011</b> , 23, 334206	1.8	6
129	Organic field-effect transistors applicable for gas and ion detection <b>2010</b> ,		1
128	Note: On the deconvolution of Kelvin probe force microscopy data. <i>Review of Scientific Instruments</i> , <b>2010</b> , 81, 056107	1.7	7
127	Red electrophosphorescent platinum(II) quinolinolate complexes. <i>Monatshfte für Chemie</i> , <b>2010</b> , 141, 847-858	1.4	6
126	Synthesis and optical properties of organic semiconductor: zirconia nanocomposites. <i>Journal of Nanoparticle Research</i> , <b>2010</b> , 12, 2541-2551	2.3	7
125	Designed suppression of aggregation in polypyrene: toward high-performance blue-light-emitting diodes. <i>Advanced Materials</i> , <b>2010</b> , 22, 990-3	24	124
124	Efficient blue-light-emitting polymer heterostructure devices: the fabrication of multilayer structures from orthogonal solvents. <i>Advanced Materials</i> , <b>2010</b> , 22, 2087-91	24	81
123	Direct Sub-Micrometer-Patterning of Conjugated Polymers and Polymer Light-Emitting Devices by Electron Beam Lithography. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 1402-1407	2.6	11
122	A novel concept for humidity compensated sub-ppm ammonia detection. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 145, 181-184	8.5	19
121	SensLED: An Electro-Optical Active Probe for Oxygen Determination. <i>Advanced Materials</i> , <b>2009</b> , 21, 3483-3487	24	16
120	Imprinted conjugated polymer DFB lasers optimized based on simulation results. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 95, 265-272	2.6	2
119	A planar waveguide optical sensor employing simple light coupling. <i>Analyst, The</i> , <b>2009</b> , 134, 1544-7	5	27
118	Ion beam degradation analysis of poly(3-hexylthiophene) (P3HT): can cryo-FIB minimize irradiation damage?. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 5130-3	3.6	11



117	Organic plasmon-emitting diode. <i>Nature Photonics</i> , <b>2008</b> , 2, 684-687	33.9	151
116	Inkjet printed polymer light-emitting devices fabricated by thermal embedding of semiconducting polymer nanospheres in an inert matrix. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 183305	3.4	29
115	Phosphorescent organic light-emitting devices: working principle and iridium based emitter materials. <i>International Journal of Molecular Sciences</i> , <b>2008</b> , 9, 1527-47	6.3	144
114	Defect chemistry of polyfluorenes: identification of the origin of "interface defects" in polyfluorene based light-emitting devices. <i>Chemical Communications</i> , <b>2008</b> , 5170-2	5.8	28
113	Printing functional nanostructures: a novel route towards nanostructuring of organic electronic devices via soft embossing, inkjet printing and colloidal self assembly of semiconducting polymer nanospheres. <i>Soft Matter</i> , <b>2008</b> , 4, 2448	3.6	36
112	Response to [Comment on Surface plasmon coupled electroluminescent emission][Appl. Phys. Lett. 93, 266101 (2008)]. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 266102	3.4	1
111	Directly Imprinted Surface-Emitting Distributed Feedback Structure Polymer Sensor Laser Devices for Enhanced Oxygen Sensitivity. <i>Japanese Journal of Applied Physics</i> , <b>2008</b> , 47, 304-306	1.4	4
110	Surface plasmon coupled electroluminescent emission. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 103304	3.4	35
109	Stark spectroscopy of excited-state transitions in a conjugated polymer. <i>Physical Review Letters</i> , <b>2008</b> , 100, 057401	7.4	6
108	Electric field effect on energy transfer monitored by bimolecular annihilation. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	1
107	Optically Active Chemical Defects in Polyfluorene-Type Polymers and Devices. <i>Advances in Polymer Science</i> , <b>2008</b> , 273-292	1.3	19
106	Synthesis and Photophysical Properties of 3,6-Diphenyl-9-hexyl-9H-carbazole Derivatives Bearing Electron Withdrawing Groups. <i>Monatshefte für Chemie</i> , <b>2008</b> , 139, 223-231	1.4	10
105	The Effect of Protonation on the Optical Properties of Conjugated Fluorene-Pyridine Copolymers. <i>Macromolecular Chemistry and Physics</i> , <b>2008</b> , 209, 2122-2134	2.6	18
104	Polytriphenylene dendrimers: a unique design for blue-light-emitting materials. <i>Angewandte Chemie - International Edition</i> , <b>2008</b> , 47, 8292-6	16.4	97
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