

# Emil J W List-Kratochvil

## List of Publications by Year in descending order

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262  
papers

11,361  
citations

41344

49  
h-index

32842

100  
g-index

268  
all docs

268  
docs citations

268  
times ranked

10517  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible training of waveguide-based AND/OR gates for optically driven artificial neural networks using photochromic molecules. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 044002.	2.8	4
2	Optimized Synthesis of Solution-Processable Crystalline Poly(Triazine Imide) with Minimized Defects for OLED Application. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202111749.	13.8	29
3	Using Combinatorial Inkjet Printing for Synthesis and Deposition of Metal Halide Perovskites in Wavelength-Selective Photodetectors. <i>Advanced Engineering Materials</i> , 2022, 24, 2101111.	3.5	13
4	Combinatorial inkjet printing for compositional tuning of metal-halide perovskite thin films. <i>Journal of Materials Chemistry A</i> , 2022, 10, 4906-4914.	10.3	12
5	Self-assembly and photoinduced fabrication of conductive nanographene wires on boron nitride. <i>Nature Communications</i> , 2022, 13, 442.	12.8	4
6	Innentitelbild: Optimierte Synthese von in Lösung verarbeitbarem kristallinem Poly(triazinimid) mit minimalen Defekten für OLED-Anwendungen ( <i>Angew. Chem.</i> 3/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0
7	Organic Synaptic Diodes Based on Polymeric Mixed Ionic-Electronic Conductors. <i>Advanced Electronic Materials</i> , 2022, 8, .	5.1	3
8	Hybrid fabrication of multimodal intracranial implants for electrophysiology and local drug delivery. <i>Materials Horizons</i> , 2022, 9, 1727-1734.	12.2	6
9	Size Effects of the Anions in the Ionothermal Synthesis of Carbon Nitride Materials. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	18
10	Crosslinking Super Yellow to produce super OLEDs: Crosslinking with azides enables improved performance. <i>Journal of Polymer Science</i> , 2022, 60, 1878-1886.	3.8	4
11	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> , 2022, 57, 8752-8766.	3.7	2
12	Low Temperature Heating of Silver-Mediated Exfoliation of MoS <sub>2</sub> . <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	9
13	High performance organic light-emitting diodes employing ITO-free and flexible TiO <sub>x</sub> /Ag/Al:ZnO electrodes. <i>RSC Advances</i> , 2021, 11, 17324-17331.	3.6	13
14	Gas flow-assisted vacuum drying: identification of a novel process for attaining high-quality perovskite films. <i>Materials Advances</i> , 2021, 2, 5365-5370.	5.4	13
15	ITO-free OLEDs utilizing inkjet-printed and low temperature plasma-sintered Ag electrodes. <i>Flexible and Printed Electronics</i> , 2021, 6, 015009.	2.7	21
16	Comparing low-temperature thermal and plasma sintering processes of a tailored silver particle-free ink. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 6312-6322.	2.2	14
17	Fast sputter deposition of MoOx/metal/MoOx transparent electrodes on glass and PET substrates. <i>Journal of Materials Science</i> , 2021, 56, 9047-9064.	3.7	10
18	Type-II Energy Level Alignment at the PTCDA/Monolayer MoS <sub>2</sub> Interface Promotes Resonance Energy Transfer and Luminescence Enhancement. <i>Advanced Science</i> , 2021, 8, 2100215.	11.2	19

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19	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> , 2021, 8, 2100759.	3.7	7
20	Benchmarking Electrolyte-Gated Monolayer MoS <sub>2</sub> Field-Effect Transistors in Aqueous Environments. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100147.	2.4	2
21	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> , 2021, 5, .	7.9	31
22	A guide to qualitative haze measurements demonstrated on inkjet-printed silver electrodes for flexible OLEDs. , 2021, , .		0
23	The Schottky-Mott Rule Expanded for Two-Dimensional Semiconductors: Influence of Substrate Dielectric Screening. <i>ACS Nano</i> , 2021, 15, 14794-14803.	14.6	25
24	Tuning the mechanical flexibility of organic molecular crystals by polymorphism for flexible optical waveguides. <i>CrystEngComm</i> , 2021, 23, 5815-5825.	2.6	30
25	Elastic Flexibility in an Optically Active Naphthalideneimine-Based Single Crystal. <i>Crystals</i> , 2021, 11, 1397.	2.2	5
26	Advances in Inkjet-Printed Metal Halide Perovskite Photovoltaic and Optoelectronic Devices. <i>Energy Technology</i> , 2020, 8, 1900991.	3.8	71
27	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> , 2020, 9, 2001317.	7.3	11
28	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> , 2020, 8, 16443-16451.	5.5	20
29	Gentle plasma process for embedded silver-nanowire flexible transparent electrodes on temperature-sensitive polymer substrates. <i>Nanotechnology</i> , 2020, 31, 365303.	2.6	14
30	Implementation of Flexible Embedded Nanowire Electrodes in Organic Light-Emitting Diodes. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000305.	2.4	3
31	Mechanochemical Syntheses of Isostructural Luminescent Cocrystals of 9-Anthracenecarboxylic Acid with two Dipyridines Coformers. <i>Crystals</i> , 2020, 10, 889.	2.2	5
32	Thermally Activated Gold-Mediated Transition Metal Dichalcogenide Exfoliation and a Unique Gold-Mediated Transfer. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000408.	2.4	25
33	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> , 2020, 217, 2000354.	1.8	5
34	Finally, inkjet-printed metal halide perovskite LEDs – utilizing seed crystal templating of salty PEDOT:PSS. <i>Materials Horizons</i> , 2020, 7, 1773-1781.	12.2	33
35	Large and continuous tuning of the work function of indium tin oxide using simple mixing of self-assembled monolayers. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	8
36	An Organic Borate Salt with Superior <i>p</i> -Doping Capability for Organic Semiconductors. <i>Advanced Science</i> , 2020, 7, 2001322.	11.2	32

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37	Modulating the luminance of organic light-emitting diodes <i>via</i> optical stimulation of a photochromic molecular monolayer at transparent oxide electrode. <i>Nanoscale</i> , 2020, 12, 5444-5451.	5.6	14
38	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> , 2020, 217, 1900876.	1.8	6
39	Excited-State Charge Transfer Enabling MoS <sub>2</sub> /Phthalocyanine Photodetectors with Extended Spectral Sensitivity. <i>Journal of Physical Chemistry C</i> , 2020, 124, 2837-2843.	3.1	30
40	Utilizing Diels-Alder click-chemistry to functionalize the organic-organic interface of semiconducting polymers. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3302-3307.	5.5	3
41	Conduction mechanisms in epitaxial NiO/Graphene gas sensors. <i>Sensors and Actuators B: Chemical</i> , 2020, 325, 128797.	7.8	14
42	Potential modulations in flatland: near-infrared sensitization of MoS <sub>2</sub> phototransistors by a solvatochromic dye directly tethered to sulfur vacancies. <i>Scientific Reports</i> , 2019, 9, 16682.	3.3	11
43	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> , 2019, 7, 69-77.	5.5	43
44	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> , 2019, 2, 1102-1110.	5.0	20
45	Depth Profiling of Organic Light-Emitting Diodes by ToF-SIMS Coupled with Wavelet-Principal Component Analysis. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1821-1828.	4.4	10
46	Rapid Processing of In-Doped ZnO by Spray Pyrolysis from Environment-Friendly Precursor Solutions. <i>Coatings</i> , 2019, 9, 245.	2.6	7
47	Design and Development of Oleoresins Rich in Carotenoids Coated Microbeads. <i>Coatings</i> , 2019, 9, 235.	2.6	20
48	Pulsed thermal deposition of binary and ternary transition metal dichalcogenide monolayers and heterostructures. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	14
49	Bis(tercarbazole) pyrene and tetrahydropyrene derivatives: photophysical and electrochemical properties, theoretical modeling, and OLEDs. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5009-5018.	5.5	16
50	Switching the Electronic Properties of ZnO Surfaces with Negative Type Photochromic Pyridyl-dihydropyrene Layers and Impact of Fermi Level Pinning. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900211.	3.7	13
51	Up-scalable ITO-free organic light emitting diodes based on embedded inkjet-printed copper grids. <i>Flexible and Printed Electronics</i> , 2019, 4, 025004.	2.7	12
52	Polymer interlayers on flexible PET substrates enabling ultra-high performance, ITO-free dielectric/metal/dielectric transparent electrode. <i>Materials and Design</i> , 2019, 168, 107663.	7.0	33
53	In-depth investigation of the charge extraction efficiency for thermally annealed inverted bulk-heterojunction solar cells. <i>Journal of Applied Physics</i> , 2019, 125, 034502.	2.5	3
54	Metal particle-free inks for printed flexible electronics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15098-15117.	5.5	62

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55	Bulky, dendronized iridium complexes and their photoluminescence. <i>Journal of Materials Chemistry C</i> , 2019, 7, 15252-15258.	5.5	5
56	Implementing Inkjet-Printed Transparent Conductive Electrodes in Solution-Processed Organic Electronics. <i>Advanced Materials Technologies</i> , 2019, 4, 1800474.	5.8	18
57	Printed Copper Nanoparticle Metal Grids for Cost-Effective ITO-Free Solution Processed Solar Cells. <i>Solar Rrl</i> , 2018, 2, 1700192.	5.8	31
58	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> , 2018, 5, 025003.	4.4	142
59	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> , 2018, 215, 1800322.	1.8	0
60	Truly Low Temperature Sintering of Printed Copper Ink Using Formic Acid. <i>Advanced Materials Technologies</i> , 2018, 3, 1800146.	5.8	27
61	Versatile and Scalable Strategy To Grow Sol-Gel Derived 2H-MoS <sub>2</sub> Thin Films with Superior Electronic Properties: A Memristive Case. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 34392-34400.	8.0	22
62	Dynamic Photoswitching of Electron Energy Levels at Hybrid ZnO/Organic Photochromic Molecule Junctions. <i>Advanced Functional Materials</i> , 2018, 28, 1800716.	14.9	26
63	Fingerprint of Charge Redistribution in the Optical Spectra of Hybrid Inorganic/Organic Semiconductor Interfaces. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12913-12919.	3.1	7
64	Stability evaluation and gate-distance effects on electrolyte-gated organic field-effect transistor based on organic semiconductors. , 2018, , .		2
65	Chemical Analysis of the Interface in Bulk-Heterojunction Solar Cells by X-ray Photoelectron Spectroscopy Depth Profiling. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3842-3848.	8.0	19
66	Tuning of the emission color of organic light emitting diodes via smartly designed aluminum plasmonics. , 2017, , .		0
67	Monotonic and cyclic mechanical reliability of metallization lines on polymer substrates. <i>Journal of Materials Research</i> , 2017, 32, 1760-1769.	2.6	25
68	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> , 2017, 110, .	3.3	48
69	Role of Hybrid Charge Transfer States in the Charge Generation at ZnMgO/P3HT Heterojunctions. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21955-21961.	3.1	12
70	Aluminum-nanodisc-induced collective lattice resonances: Controlling the light extraction in organic light emitting diodes. <i>Applied Physics Letters</i> , 2017, 111, 173301.	3.3	8
71	Adjusting the emission color of organic light-emitting diodes through aluminum nanodisc arrays. <i>Optical Engineering</i> , 2017, 56, 1.	1.0	6
72	Blue Light Emitting Polyphenylene Dendrimers with Bipolar Charge Transport Moieties. <i>Molecules</i> , 2016, 21, 1400.	3.8	14

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73	Multidiffractive Broadband Plasmonic Absorber. <i>Advanced Optical Materials</i> , 2016, 4, 435-443.	7.3	30
74	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> , 2016, 1, 035004.	2.7	22
75	Integrated ion sensor device applications based on printed hybrid material systems (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock		
76	All-solution-processed multilayer polymer/dendrimer light emitting diodes. <i>Organic Electronics</i> , 2016, 35, 164-170.	2.6	22
77	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> , 2016, 662, 157-161.	5.6	25
78	Modeling of Filamentary Conduction in Organic Thin Film Memories and Comparison With Experimental Data. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 60-69.	2.0	4
79	The effect of bending loading conditions on the reliability of inkjet printed and evaporated silver metallization on polymer substrates. <i>Microelectronics Reliability</i> , 2016, 56, 109-113.	1.7	24
80	Tetraaryl pyrenes: photophysical properties, computational studies, crystal structures, and application in OLEDs. <i>Journal of Materials Chemistry C</i> , 2016, 4, 3041-3058.	5.5	37
81	Direct observation of conductive filament formation in Alq3 based organic resistive memories. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	36
82	Monolithically integrated organic resistive switches for luminance and emission color manipulation in polymer light emitting diodes. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	4
83	Resistive switching based on filaments in metal/PMMA/metal thin film devices. <i>Japanese Journal of Applied Physics</i> , 2015, 54, 120301.	1.5	9
84	Inkjet-Printed Resistive Switching Memory Based on Organic Dielectric Materials: From Single Elements to Array Technology. <i>Advanced Electronic Materials</i> , 2015, 1, 1400003.	5.1	19
85	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> , 2015, 200, 84-92.	3.5	27
86	A paper based, all organic, reference-electrode-free ion sensing platform. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5095-5102.	5.8	11
87	Inkjet-printing of non-volatile organic resistive devices and crossbar array structures. , 2015, , .		0
88	A paper-based all organic ion sensor. , 2015, , .		0
89	Non-volatile resistive photo-switches for flexible image detector arrays. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
90	Recent progress in printed 2/3D electronic devices. <i>Proceedings of SPIE</i> , 2015, , .	0.8	7

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91	Organic Non-Volatile Resistive Photo-Switches for Flexible Image Detector Arrays. <i>Advanced Materials</i> , 2015, 27, 1048-1052.	21.0	88
92	Integrated catheter system for continuous glucose measurement and simultaneous insulin infusion. <i>Biosensors and Bioelectronics</i> , 2015, 64, 102-110.	10.1	36
93	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> , 2014, 24, 095010.	2.6	5
94	Controlling Polymer Solubility: Polyfluorenes with Branched Semiperfluorinated Side Chains for Polymer Light-Emitting Diodes. <i>Israel Journal of Chemistry</i> , 2014, 54, 736-747.	2.3	4
95	Solution Processed Multilayer Organic Light Emitting Diodes. <i>RSC Smart Materials</i> , 2014, , 226-272.	0.1	1
96	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> , 2014, 35, 1931-1936.	3.9	19
97	Ion-selective electrolyte-gated field-effect transistors: prerequisites for proper functioning. , 2014, , .		1
98	A silver inkjet printed ferrite NFC antenna. , 2014, , .		19
99	Unravelling the Nature of Unipolar Resistance Switching in Organic Devices by Utilizing the Photovoltaic Effect. <i>Advanced Materials</i> , 2014, 26, 2508-2513.	21.0	53
100	Simultaneous extraction of charge density dependent mobility and variable contact resistance from thin film transistors. <i>Applied Physics Letters</i> , 2014, 104, 193501.	3.3	37
101	Hydrogen ion-selective electrolyte-gated organic field-effect transistor for pH sensing. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	20
102	The single-port concept: combining optical glucose measurement with insulin infusion. <i>Acta Diabetologica</i> , 2014, 51, 883-886.	2.5	9
103	Effect of thermal annealing in vacuum on the photovoltaic properties of electrodeposited Cu <sub>2</sub> O-absorber solar cell. <i>EPJ Photovoltaics</i> , 2014, 5, 50301.	1.6	13
104	Photovoltaic properties of thin film heterojunctions with cupric oxide absorber. <i>Journal of Renewable and Sustainable Energy</i> , 2013, 5, .	2.0	58
105	All solution processed blue multi-layer light emitting diodes realized by thermal layer stabilization and orthogonal solvent processing. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
106	Variable tunneling barriers in FEBID based PtC metal-matrix nanocomposites as a transducing element for humidity sensing. <i>Nanotechnology</i> , 2013, 24, 305501.	2.6	50
107	Electrolyte-Gated Organic Field-Effect Transistor for Selective Reversible Ion Detection. <i>Advanced Materials</i> , 2013, 25, 6895-6899.	21.0	100
108	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> , 2013, 51, 1400-1410.	2.1	12

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109	Organic field-effect transistor based sensors with sensitive gate dielectrics used for low-concentration ammonia detection. <i>Organic Electronics</i> , 2013, 14, 500-504.	2.6	41
110	A heterotriangulene polymer for air-stable organic field-effect transistors. <i>Polymer Chemistry</i> , 2013, 4, 5337.	3.9	25
111	Highly Efficient Color-Stable Deep-Blue Multilayer PLEDs: Preventing PEDOT:PSS-Induced Interface Degradation. <i>Advanced Materials</i> , 2013, 25, 4420-4424.	21.0	43
112	Bis(carbazolyl) derivatives of pyrene and tetrahydropyrene: synthesis, structures, optical properties, electrochemistry, and electroluminescence. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1638.	5.5	77
113	Bright Blue Solution Processed Triple-Layer Polymer Light-Emitting Diodes Realized by Thermal Layer Stabilization and Orthogonal Solvents. <i>Advanced Functional Materials</i> , 2013, 23, 4897-4905.	14.9	50
114	Single-port glucose monitoring with simultaneous insulin infusion. <i>Biomedizinische Technik</i> , 2013, 58 Suppl 1, .	0.8	1
115	Electrolyte-gated organic field-effect transistors for sensing in aqueous media. <i>Proceedings of SPIE</i> , 2013, , .	0.8	4
116	Effect of AZO Substrates on Self-Seeded Electrochemical Growth of Vertically Aligned ZnO Nanorod Arrays and Their Optical Properties. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-14.	2.7	10
117	Photolithographic processing and its influence on the performance of organic field-effect transistors. , 2012, , .		1
118	An investigation on focused electron/ion beam induced degradation mechanisms of conjugated polymers. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 20235.	2.8	21
119	Core, Shell, and Surface-Optimized Dendrimers for Blue Light-Emitting Diodes. <i>Journal of the American Chemical Society</i> , 2011, 133, 1301-1303.	13.7	111
120	Focus Issue: Organic light-emitting diodes—status quo and current developments. <i>Optics Express</i> , 2011, 19, A1237.	3.4	1
121	Deep blue polymer light emitting diodes based on easy to synthesize, non-aggregating polypyrene. <i>Optics Express</i> , 2011, 19, A1281.	3.4	23
122	Organic field-effect transistors: a combined study on short-channel effects and the influence of substrate pre-treatment on ambient stability. , 2011, , .		5
123	Molecular Triangles: Synthesis, Self-Assembly, and Blue Emission of Cyclo[7,10]-tris(triphenylenyl) Macrocycles. <i>Chemistry - an Asian Journal</i> , 2011, 6, 3001-3010.	3.3	32
124	A Direct Route Towards Polymer/Copper Indium Sulfide Nanocomposite Solar Cells. <i>Advanced Energy Materials</i> , 2011, 1, 1046-1050.	19.5	102
125	Metal sulfide—polymer nanocomposite thin films prepared by a direct formation route for photovoltaic applications. <i>Thin Solid Films</i> , 2011, 519, 4201-4206.	1.8	24
126	Structure and electrical properties of nanoparticulate tungsten oxide prepared by microwave plasma synthesis. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 334206.	1.8	6

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127	Red electrophosphorescent platinum(II) quinolinolate complexes. Monatshefte für Chemie, 2010, 141, 847-858.	1.8	7
128	Synthesis and optical properties of organic semiconductor: zirconia nanocomposites. Journal of Nanoparticle Research, 2010, 12, 2541-2551.	1.9	7
129	Designed Suppression of Aggregation in Polypyrene: Toward High-Performance Blue-Light-Emitting Diodes. Advanced Materials, 2010, 22, 990-993.	21.0	138
130	Efficient Blue-Light-Emitting Polymer Heterostructure Devices: The Fabrication of Multilayer Structures from Orthogonal Solvents. Advanced Materials, 2010, 22, 2087-2091.	21.0	92
131	Direct Sub-Micrometer Patterning of Conjugated Polymers and Polymer Light-Emitting Devices by Electron Beam Lithography. Macromolecular Chemistry and Physics, 2010, 211, 1402-1407.	2.2	11
132	A novel concept for humidity compensated sub-ppm ammonia detection. Sensors and Actuators B: Chemical, 2010, 145, 181-184.	7.8	21
133	Organic field-effect transistors applicable for gas and ion detection. Proceedings of SPIE, 2010, , .	0.8	2
134	Note: On the deconvolution of Kelvin probe force microscopy data. Review of Scientific Instruments, 2010, 81, 056107.	1.3	7
135	Novel concepts for organic optical oxygen sensor devices. Proceedings of SPIE, 2009, , .	0.8	0
136	SensLED: An Electro-Optical Active Probe for Oxygen Determination. Advanced Materials, 2009, 21, 3483-3487.	21.0	19
137	Imprinted conjugated polymer DFB lasers optimized based on simulation results. Applied Physics A: Materials Science and Processing, 2009, 95, 265-272.	2.3	2
138	A planar waveguide optical sensor employing simple light coupling. Analyst, The, 2009, 134, 1544.	3.5	31
139	Ion beam degradation analysis of poly(3-hexylthiophene) (P3HT): can cryo-FIB minimize irradiation damage?. Physical Chemistry Chemical Physics, 2009, 11, 5130.	2.8	12
140	Organic light-emitting diodes as surface plasmon emitters. , 2009, , .		0
141	Synthesis and Photophysical Properties of 3,6-Diphenyl-9-hexyl-9H-carbazole Derivatives Bearing Electron Withdrawing Groups. Monatshefte für Chemie, 2008, 139, 223-231.	1.8	13
142	The Effect of Protonation on the Optical Properties of Conjugated Fluorene-Pyridine Copolymers. Macromolecular Chemistry and Physics, 2008, 209, 2122-2134.	2.2	20
143	Polytriphenylene Dendrimers: A Unique Design for Blue-Light-Emitting Materials. Angewandte Chemie - International Edition, 2008, 47, 8292-8296.	13.8	100
144	The Influence of UV Irradiation on Ketonic Defect Emission in Fluorene-Based Copolymers. Advanced Functional Materials, 2008, 18, 2480-2488.	14.9	14

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145	Inkjet printed surface cell light-emitting devices from a water-based polymer dispersion. Organic Electronics, 2008, 9, 164-170.	2.6	107
146	In situ dispersion of ZrO <sub>2</sub> nanoparticles coated with pentacene. Physica Status Solidi - Rapid Research Letters, 2008, 2, 203-205.	2.4	8
147	Organic plasmon-emitting diode. Nature Photonics, 2008, 2, 684-687.	31.4	178
148	Inkjet printed polymer light-emitting devices fabricated by thermal embedding of semiconducting polymer nanospheres in an inert matrix. Applied Physics Letters, 2008, 92, 183305.	3.3	35
149	Phosphorescent Organic Light-Emitting Devices: Working Principle and Iridium Based Emitter Materials. International Journal of Molecular Sciences, 2008, 9, 1527-1547.	4.1	163
150	Defect chemistry of polyfluorenes: identification of the origin of interface defects in polyfluorene based light-emitting devices. Chemical Communications, 2008, , 5170.	4.1	29
151	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. Soft Matter, 2008, 4, 2448.	2.7	39
152	Response to "Comment on "Surface plasmon coupled electroluminescent emission" [Appl. Phys. Lett. 93, 266101 (2008)]. Applied Physics Letters, 2008, 93, 266102.	3.3	1
153	Directly Imprinted Surface-Emitting Distributed Feedback Structure Polymer Sensor Laser Devices for Enhanced Oxygen Sensitivity. Japanese Journal of Applied Physics, 2008, 47, 304.	1.5	4
154	Surface plasmon coupled electroluminescent emission. Applied Physics Letters, 2008, 92, .	3.3	39
155	Stark Spectroscopy of Excited-State Transitions in a Conjugated Polymer. Physical Review Letters, 2008, 100, 057401.	7.8	6
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