Klaus - Meerholz

List of Publications by Year
in descending order

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347 papers	19,607 citations	10351 72 h-index	13338 130 g-index
373 all docs	373 docs citations	373 times ranked	17105 citing authors

#	Article	IF	Citations
1	The Impact of Chiral Citronellylâ€Functionalization on Indolenine and Anilino Squaraine Thin Films. Israel Journal of Chemistry, 2022, 62, .	1.0	3
2	Phosphine Oxide Additives for Highâ€Brightness Inorganic Perovskite Lightâ€Emitting Diodes. Advanced Optical Materials, 2022, 10, 2101602.	3.6	12
3	Perovskiteâ€“organic tandem solar cells with indium oxide interconnect. Nature, 2022, 604, 280-286.	13.7	181
4	Parametrization of the Gaussian Disorder Model to Account for the High Carrier Mobility in Disordered Organic Transistors. Physical Review Applied, 2021, 15, .	1.5	17
5	Energy Scaling of Compositional Disorder in Ternary Transitionâ€Metal Dichalcogenide Monolayers. Advanced Electronic Materials, 2021, 7, 2100196.	2.6	11
6	Tunneling current modulation in atomically precise graphene nanoribbon heterojunctions. Nature Communications, 2021, 12, 2542.	5.8	22
7	Cyclopentadieneâ€Based Holeâ€Transport Material for Costâ€Reduced Stabilized Perovskite Solar Cells with Power Conversion Efficiencies Over 23%. Advanced Energy Materials, 2021, 11, 2003953.	10.2	24
8	Understanding the structural and charge transport property relationships for a variety of merocyanine single-crystals: a bottom up computational investigation. Journal of Materials Chemistry C, 2021, 9, 10851-10864.	2.7	9
9	Ni, Pd, and Pt complexes of a tetradentate dianionic thiosemicarbazone-based O^N^N^S ligand. Dalton Transactions, 2021, 50, 4311-4322.	1.6	7
10	Crosslinkable Bis(diphenylamine)â€Substituted Mixed Dihydroindeno[1,2â€•b]fluorenes for Solutionâ€Processed Multilayer Organic Lightâ€Emitting Diodes. ChemPlusChem, 2020, 85, 151-158.	1.3	5
11	Novel Photoactive Spirooxazine Based Switch@MOF Composite Materials. ChemPhotoChem, 2020, 4, 195-206.	1.5	27
12	Doped but Stable: Spirobisacridine Hole Transporting Materials for Hysteresis-Free and Stable Perovskite Solar Cells. Journal of the American Chemical Society, 2020, 142, 1792-1800.	6.6	39
13	Lowâ€Refractive Index Layers in Organic Lightâ€Emitting Diodes via Electrospray Deposition for Enhanced Outcoupling Efficiencies. Advanced Engineering Materials, 2020, 22, 1900897.	1.6	7
14	Structure and Dielectric Properties of Anisotropic n-Alkyl Anilino Squaraine Thin Films. Journal of Physical Chemistry C, 2020, 124, 22721-22732.	1.5	12
15	Photodetection Using Atomically Precise Graphene Nanoribbons. ACS Applied Nano Materials, 2020, 3, 8343-8351.	2.4	15
16	High fatigue resistance of a photochromic dithienylethene embedded into the pores of a metalâ€“organic framework (MOF). Photochemical and Photobiological Sciences, 2020, 19, 1730-1740.	1.6	12
17	Investigation of Hierarchical Structure Formation in Merocyanine Photovoltaics. Journal of Physical Chemistry C, 2020, 124, 19457-19466.	1.5	4
18	Impact of the Interfacial Molecular Structure Organization on the Charge Transfer State Formation and Exciton Delocalization in Merocyanine:PC₆₁BM Blends. Journal of Physical Chemistry C, 2020, 124, 21978-21984.	1.5	5

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19	Enhancing Light Outcoupling in Organic Lightâ€Emitting Devices by Integration of Scattering Electrodes. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2070035.	0.8	0
20	Lowâ€Refractive Index Layers in Organic Lightâ€Emitting Diodes via Electrospray Deposition for Enhanced Outcoupling Efficiencies. Advanced Engineering Materials, 2020, 22, 2070021.	1.6	0
21	Probing the origin of photoluminescence blinking in graphene nanoribbons: Influence of plasmonic field enhancement. 2D Materials, 2020, 7, 045009.	2.0	0
22	Trapâ€Assisted Triplet Emission in Ladderâ€Polymerâ€Based Lightâ€Emitting Diodes. Advanced Electronic Materials, 2020, 6, 2000082.	2.6	5
23	Polymorphic chiral squaraine crystallites in textured thin films. Chirality, 2020, 32, 619-631.	1.3	13
24	Cyclopentadithiophene-Based Hole-Transporting Material for Highly Stable Perovskite Solar Cells with Stabilized Efficiencies Approaching 21%. ACS Applied Energy Materials, 2020, 3, 7456-7463.	2.5	26
25	Enhancing Light Outcoupling in Organic Lightâ€Emitting Devices by Integration of Scattering Electrodes. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900593.	0.8	0
26	Nanoscale Photodetector Using 7-Atom Wide Armchair-Edge Graphene Nanoribbons. , 2020, , .		0
27	Impact of Titanium Dioxide Surface Defects on the Interfacial Composition and Energetics of Evaporated Perovskite Active Layers. ACS Applied Materials & Interfaces, 2019, 11, 32500-32508.	4.0	33
28	Polarons in Ï€-conjugated ladder-type polymers: a broken symmetry density functional description. Journal of Materials Chemistry C, 2019, 7, 12876-12885.	2.7	21
29	Roomâ€Temperature Stimulated Emission and Lasing in Recrystallized Cesium Lead Bromide Perovskite Thin Films. Advanced Materials, 2019, 31, e1903717.	11.1	148
30	Graphene Nanoribbons: From Photophysical Properties Towards Devices. , 2019, , .		0
31	Bismuth-Antimony mixed double perovskites Cs2AgBi1â^'xSbxBr6 in solar cells. MRS Advances, 2019, 4, 3545-3552.	0.5	18
32	Charge carrier migration and hole extraction from MAPbI3. Journal of Physics: Conference Series, 2019, 1220, 012053.	0.3	0
33	Organic Electronics: Ultranarrow Bandwidth Organic Photodiodes by Exchange Narrowing in Merocyanine Hâ€•and Jâ€Aggregate Excitonic Systems (Adv. Funct. Mater. 21/2019). Advanced Functional Materials, 2019, 29, 1970144.	7.8	2
34	Nickel(II) and Copper(II) Coordination Polymers Derived from 1,2,4,5-Tetraaminobenzene for Lithium-Ion Batteries. Chemistry of Materials, 2019, 31, 5197-5205.	3.2	52
35	Multilayer OLEDs with four slot die-coated layers. Journal of Coatings Technology Research, 2019, 16, 1643-1652.	1.2	16
36	Absolute energy level positions in tin- and lead-based halide perovskites. Nature Communications, 2019, 10, 2560.	5.8	381

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37	Comparative Study of Printed Multilayer OLED Fabrication through Slot Die Coating, Gravure and Inkjet Printing, and Their Combination. Colloids and Interfaces, 2019, 3, 32.	0.9	27
38	Ultranarrow Bandwidth Organic Photodiodes by Exchange Narrowing in Merocyanine Hâ€•and Jâ€Aggregate Excitonic Systems. Advanced Functional Materials, 2019, 29, 1805058.	7.8	58
39	Planar Perovskite Solar Cells with High Openâ€Circuit Voltage Containing a Supramolecular Iron Complex as Hole Transport Material Dopant. ChemPhysChem, 2018, 19, 1363-1370.	1.0	17
40	EMERGENCE OF INNOVATION CHAMPIONS: DIFFERENCES IN THE R&D COLLABORATION PROCESS BETWEEN SCIENCE AND INDUSTRY. International Journal of Innovation Management, 2018, 22, 1840008.	0.7	5
41	Observation of Room-Temperature Photoluminescence Blinking in Armchair-Edge Graphene Nanoribbons. Nano Letters, 2018, 18, 7038-7044.	4.5	8
42	Does Electron Delocalization Influence Charge Separation at Donorâ€“Acceptor Interfaces in Organic Photovoltaic Cells?. Journal of Physical Chemistry C, 2018, 122, 21792-21802.	1.5	33
43	Enhanced lightâ€“matter interaction of aligned armchair graphene nanoribbons using arrays of plasmonic nanoantennas. 2D Materials, 2018, 5, 045006.	2.0	10
44	Impact of excess PbI₂ on the structure and the temperature dependent optical properties of methylammonium lead iodide perovskites. Journal of Materials Chemistry C, 2018, 6, 7512-7519.	2.7	54
45	Suppressed decomposition of organometal halide perovskites by impermeable electron-extraction layers in inverted solar cells. Nature Communications, 2017, 8, 13938.	5.8	259
46	Substrate-dependent electronic structure and film formation of MAPbI3 perovskites. Scientific Reports, 2017, 7, 40267.	1.6	238
47	Indiumâ€Free Perovskite Solar Cells Enabled by Impermeable Tinâ€Oxide Electron Extraction Layers. Advanced Materials, 2017, 29, 1606656.	11.1	88
48	Optimizing the Nearâ€Infrared Performance of Photorefractive Composites by Chemical Modification of the Sensitizer. ChemPhotoChem, 2017, 1, 304-310.	1.5	0
49	Characterization and calibration of radiation-damaged double-sided silicon strip detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 855, 109-117.	0.7	4
50	Making Graphene Nanoribbons Photoluminescent. Nano Letters, 2017, 17, 4029-4037.	4.5	73
51	Atomistic Approach To Simulate Processes Relevant for the Efficiencies of Organic Solar Cells as a Function of Molecular Properties. II. Kinetic Aspects. Journal of Physical Chemistry C, 2017, 121, 26-51.	1.5	17
52	Donorâ€“Acceptor Dyes for Organic Photovoltaics. Advances in Polymer Science, 2017, , 193-214.	0.4	21
53	Solution-Like Behavior of Photoswitchable Spiropyrans Embedded in Metalâ€“Organic Frameworks. Inorganic Chemistry, 2017, 56, 13100-13110.	1.9	70
54	Influence of Hybrid Perovskite Fabrication Methods on Film Formation, Electronic Structure, and Solar Cell Performance. Journal of Visualized Experiments, 2017, , .	0.2	4

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55	Perovskite Solar Cells: Indium-Free Perovskite Solar Cells Enabled by Impermeable Tin-Oxide Electron Extraction Layers (Adv. Mater. 27/2017). Advanced Materials, 2017, 29, .	11.1	0
56	Luminescent Pt^{II} Complexes of Tridentate Cyclometalating 2,5â€Bis(aryl)â€pyridine Ligands. European Journal of Inorganic Chemistry, 2017, 2017, 5215-5223.	1.0	20
57	Structureâ€“Property Relationships from Atomistic Multiscale Simulations of the Relevant Processes in Organic Solar Cells. I. Thermodynamic Aspects. Journal of Physical Chemistry C, 2017, 121, 4-25.	1.5	28
58	Photophysical properties of semiconducting armchair-edge grapheme nanoribbons. , 2017, , .		0
59	Impact of Film Stoichiometry on the Ionization Energy and Electronic Structure of CH₃NH₃PbI₃ Perovskites. Advanced Materials, 2016, 28, 553-559.	11.1	148
60	Metal-Free, Multicomponent Synthesis of Pyrrole-Based Ï€-Conjugated Polymers from Imines, Acid Chlorides, and Alkynes. Journal of the American Chemical Society, 2016, 138, 10516-10521.	6.6	67
61	Zero-dimensional (CH3NH3)3Bi2I9 perovskite for optoelectronic applications. Solar Energy Materials and Solar Cells, 2016, 158, 195-201.	3.0	182
62	Probing Electronics as a Function of Size and Surface of Colloidal Germanium Nanocrystals. Journal of Physical Chemistry C, 2015, 119, 5671-5678.	1.5	16
63	In-situ modification of PEDOT:PSS work function using alkyl alcohols as secondary processing solvents and their impact on merocyanine based bulk heterojunction solar cells. Organic Electronics, 2015, 21, 171-176.	1.4	28
64	Electrospun Black Titania Nanofibers: Influence of Hydrogen Plasma-Induced Disorder on the Electronic Structure and Photoelectrochemical Performance. Journal of Physical Chemistry C, 2015, 119, 18835-18842.	1.5	68
65	Structureâ€“Property Relationships for Exciton and Charge Reorganization Energies of Dipolar Organic Semiconductors: A Combined Valence Bond Self-Consistent Field and Time-Dependent Hartree-Fock and DFT Study of Merocyanine Dyes. Journal of Physical Chemistry C, 2015, 119, 17602-17611.	1.5	26
66	High Electron Mobility and Its Role in Charge Carrier Generation in Merocyanine/Fullerene Blends. Journal of Physical Chemistry C, 2015, 119, 5761-5770.	1.5	10
67	Influence of Solid-State Packing of Dipolar Merocyanine Dyes on Transistor and Solar Cell Performances. Journal of the American Chemical Society, 2015, 137, 13524-13534.	6.6	68
68	The I-V characteristics of organic hole-only devices based on crosslinked hole-transport layer. Journal of Applied Research and Technology, 2015, 13, 253-260.	0.6	10
69	Impact of mesoscale order on open-circuit voltage in organic solar cells. Nature Materials, 2015, 14, 434-439.	13.3	184
70	Time-independent, high electron mobility in thin PC 61 BM films: Relevance to organic photovoltaics. Organic Electronics, 2014, 15, 3729-3734.	1.4	29
71	Photochromic Switching of Fano Resonances in Metallic Photonic Crystal Slabs. Advanced Optical Materials, 2014, 2, 861-865.	3.6	12
72	The Characteristic of Organic Hole-Only Devices Based on Crosslinked Hole-Transport Layer. , 2014, , .		1

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73	Optical and electrical multilevel storage in organic memory passive matrix arrays. Organic Electronics, 2014, 15, 3688-3693.	1.4	18
74	Polythiophenoazomethines â€“ alternate photoactive materials for organic photovoltaics. Journal of Materials Chemistry A, 2014, 2, 15620-15626.	5.2	14
75	Determination of the optical constants of bulk heterojunction active layers from standard solar cell measurements. Organic Electronics, 2014, 15, 3584-3589.	1.4	3
76	NIR-Absorbing Merocyanine Dyes for BHJ Solar Cells. Chemistry of Materials, 2014, 26, 4856-4866.	3.2	53
77	Simple Fabrication of an Organic Laser by Microcontact Molding of a Distributed Feedback Grating. Advanced Materials, 2014, 26, 6019-6024.	11.1	10
78	Comparative Studies on Optical, Redox, and Photovoltaic Properties of a Series of Dâ€“Aâ€“D and Analogous Dâ€“A Chromophores. Advanced Functional Materials, 2014, 24, 4645-4653.	7.8	30
79	Solution Processed Organic Double Lightâ€Emitting Layer Diode Based on Crossâ€Linkable Small Molecular Systems. Angewandte Chemie - International Edition, 2013, 52, 9563-9567.	7.2	52
80	Photochromic Materials: Photochromic Transduction Layers in Organic Memory Elements (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	11.1	1
81	Charge Carrier Generation and Transport in a Polyfluorene Copolymer With Electron Donating Side Groups Doped With PCBM. Journal of Physical Chemistry C, 2013, 117, 15871-15878.	1.5	2
82	Photophysical properties and OLED performance of light-emitting platinum(ii) complexes. Dalton Transactions, 2013, 42, 13612.	1.6	40
83	An efficient merocyanine/zinc phthalocyanine tandem solar cell. Organic Electronics, 2013, 14, 2029-2033.	1.4	10
84	Enhanced photocurrent generation by folding-driven H-aggregate formation. Chemical Science, 2013, 4, 2071.	3.7	27
85	Charge Transfer States in Merocyanine Neat Films and Its Blends with [6,6]-Phenyl-C₆₁-butyric Acid Methyl Ester. Journal of Physical Chemistry C, 2013, 117, 6039-6048.	1.5	6
86	New Fellows of The Royal Society: H.â€…L. Anderson, G.â€…C. Lloydâ€Jones, P. O'Brien, C.â€…J. Schofield, D.â€…W. Stephan, K.â€…C. Nicolaou / Lavoisier Medal: G. FÃ©rey / Richard WillstÃtter Lectureship: K. Meerholz. Angewandte Chemie - International Edition, 2013, 52, 7071-7072.	7.2	0
87	A Photochromic Diode With a Continuum of Intermediate States: Towards High Density Multilevel Storage. Advanced Materials, 2013, 25, 4807-4813.	11.1	56
88	Crosslinkable TAPCâ€Based Holeâ€Transport Materials for Solutionâ€Processed Organic Lightâ€Emitting Diodes with Reduced Efficiency Rollâ€Off. Advanced Functional Materials, 2013, 23, 359-365.	7.8	89
89	Luminescent Neutral Platinum Complexes Bearing an Asymmetric N[^]N[^]N Ligand for Highâ€Performance Solutionâ€Processed OLEDs. Advanced Materials, 2013, 25, 437-442.	11.1	95
90	Photochromic Transduction Layers in Organic Memory Elements. Advanced Materials, 2013, 25, 469-476.	11.1	80

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91	Mechanisms for Highâ€Performance and Nonâ€Local Photoisomerization Gratings in a Solâ€“Gel Material. Advanced Functional Materials, 2013, 23, 3770-3781.	7.8	4
92	Non-steady-state photoelectromotive force effect under linear and periodical phase modulation: application to detection of Doppler frequency shift. Optics Letters, 2012, 37, 383.	1.7	8
93	Towards highly efficient solar cells based on merocyanine dyes. Materials Research Society Symposia Proceedings, 2012, 1390, 24.	0.1	0
94	Exciton diffusion, annihilation and their role in the charge carrier generation in fluorene based copolymers. Chemical Physics, 2012, 404, 42-47.	0.9	27
95	Aggregation-dependent photovoltaic properties of squaraine/PC61BM bulk heterojunctions. Physical Chemistry Chemical Physics, 2012, 14, 8328.	1.3	84
96	Planar, bulk and hybrid merocyanine/C₆₀heterojunction devices: a case study on thin film morphology and photovoltaic performance. Journal of Materials Chemistry, 2012, 22, 4473-4482.	6.7	16
97	Tracing a Moving Thin-Film Reaction Front with Nanometer Resolution. Macromolecules, 2012, 45, 3487-3495.	2.2	7
98	Preparation of Insoluble Hole-Injection Layers by Cationic Ring-Opening Polymerisation of Oxetane-Derivatized TriPhenylamineDimer for Organic Electronics Devices. Procedia Chemistry, 2012, 4, 216-223.	0.7	6
99	Mechanical exfoliation of epitaxial graphene on Ir(111) enabled by Br2intercalation. Journal of Physics Condensed Matter, 2012, 24, 314208.	0.7	11
100	Determination of volume fractions and ligand layer thickness of polymer/CdSe quantum dot blend films by effective medium approximations. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 75-82.	2.4	4
101	Molecular Oxygen as a Redox Catalyst in Intramolecular Photocycloadditions of Coumarins. Angewandte Chemie - International Edition, 2012, 51, 6000-6004.	7.2	36
102	Control of electronic properties of triphenylene by substitution. Organic Electronics, 2012, 13, 71-83.	1.4	15
103	Efficiency Enhanced Hybrid Solar Cells Using a Blend of Quantum Dots and Nanorods. Advanced Functional Materials, 2012, 22, 397-404.	7.8	113
104	Screening structureâ€“property correlations and device performance of Ir(iii) complexes in multi-layer PhOLEDs. Dalton Transactions, 2011, 40, 11629.	1.6	23
105	Investigation of the Photocross-Linking Mechanism in Oxetane-Functionalized Semiconductors. Chemistry of Materials, 2011, 23, 5001-5005.	3.2	49
106	Optical Amplification of Propagating Surface Plasmon Polaritons. , 2011, , .		1
107	Beam walk-off suppression in photorefractive polymer-based coherence domain holography. Applied Physics B: Lasers and Optics, 2011, 102, 803-807.	1.1	5
108	Effect of Trace Solvent on the Morphology of P3HT:PCBM Bulk Heterojunction Solar Cells. Advanced Functional Materials, 2011, 21, 1779-1787.	7.8	183

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109	Subâ€Micrometer Patterning of Amorphousâ€•and Î²â€Phase in a Crosslinkable Poly(9,9â€dioctylfluorene): Dualâ€Wavelength Lasing from a Mixedâ€Morphology Device. Advanced Functional Materials, 2011, 21, 2564-2570.	7.8	42
110	White Organic Lightâ€Emitting Diodes. Advanced Materials, 2011, 23, 233-248.	11.1	873
111	Organic Photorefractive Materials and Applications. Advanced Materials, 2011, 23, 4725-4763.	11.1	104
112	Surfaceâ€Initiated Phase Separationâ€“Fabrication of Twoâ€Layer Organic Lightâ€Emitting Devices in a Single Processing Step. Advanced Materials, 2011, 23, 4301-4305.	11.1	10
113	Parallel Bulkâ€Heterojunction Solar Cell by Electrostatically Driven Phase Separation. Advanced Materials, 2011, 23, 5398-5403.	11.1	34
114	Simple, Highly Efficient Vacuumâ€Processed Bulk Heterojunction Solar Cells Based on Merocyanine Dyes. Advanced Energy Materials, 2011, 1, 888-893.	10.2	141
115	Switching On Luminescence by the Selfâ€Assembly of a Platinum(II) Complex into Gelating Nanofibers and Electroluminescent Films. Angewandte Chemie - International Edition, 2011, 50, 946-950.	7.2	273
116	Efficient Solutionâ€Processed Bulk Heterojunction Solar Cells by Antiparallel Supramolecular Arrangement of Dipolar Donorâ€“Acceptor Dyes. Angewandte Chemie - International Edition, 2011, 50, 11628-11632.	7.2	239
117	A simple merocyanine tandem solar cell with extraordinarily high open-circuit voltage. Applied Physics Letters, 2011, 99, 193306.	1.5	15
118	P-176: HYPOLED - High-Performance OLED Microdisplays for Mobile Multimedia HMD and Projection Applications. Digest of Technical Papers SID International Symposium, 2010, 41, 1926.	0.1	4
119	Influence of the sensitizer reduction potential on the sensitivity of photorefractive polymer composites. Journal of Materials Chemistry, 2010, 20, 6170.	6.7	17
120	A Lasing Organic Lightâ€Emitting Diode. Advanced Materials, 2010, 22, 531-534.	11.1	53
121	1064â€nm Sensitive Organic Photorefractive Composites. Advanced Materials, 2010, 22, 1383-1386.	11.1	14
122	Direct Comparison of Highly Efficient Solutionâ€•and Vacuumâ€Processed Organic Solar Cells Based on Merocyanine Dyes. Advanced Materials, 2010, 22, 4193-4197.	11.1	84
123	Alkali Metal Doped Organic Molecules on Insulators: Charge Impact on the Optical Properties. Advanced Materials, 2010, 22, 4064-4070.	11.1	15
124	Monolithic Integration of Multiâ€Color Organic LEDs by Grayscale Lithography. Advanced Materials, 2010, 22, 4634-4638.	11.1	30
125	Systems Chemistry Approach in Organic Photovoltaics. Chemistry - A European Journal, 2010, 16, 9366-9373.	1.7	220
126	Novel Nonâ€Conjugated Mainâ€Chain Holeâ€Transporting Polymers for Organic Electronics Application. Macromolecular Rapid Communications, 2010, 31, 1560-1567.	2.0	26

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127	Orientation of emissive dipoles in OLEDs: Quantitative in situ analysis. Organic Electronics, 2010, 11, 1039-1046.	1.4	124
128	Towards organic light-emitting diode microdisplays with sub-pixel patterning. Organic Electronics, 2010, 11, 57-61.	1.4	31
129	Hierarchical charge carrier motion in conjugated polymers. Chemical Physics Letters, 2010, 498, 302-306.	1.2	35
130	Net optical gain in a plasmonic waveguide embedded in a fluorescent polymer. Nature Photonics, 2010, 4, 457-461.	15.6	215
131	Sensitizer Effects on the Transport Properties of Polymer:Sensitizer Organic Blend. Materials Research Society Symposia Proceedings, 2010, 1270, 1.	0.1	0
132	Modular Synthesis and Electronic and Holeâ€Transport Properties of Monodisperse Oligophenothiazines. Macromolecular Symposia, 2010, 287, 1-7.	0.4	17
133	Electric field assisted charge carrier photogeneration in poly(spirobifluorene-co-benzothiadiazole). Journal of Chemical Physics, 2010, 133, 164904.	1.2	10
134	Measuring the dipole orientation in OLEDs. , 2010, , .		2
135	Characterization of the ambipolar transport properties of polymer-based organic photoconductor by non-steady-state photo-EMF technique. Proceedings of SPIE, 2010, , .	0.8	0
136	Influence of polymer:sensitizer ratio on photoelectric properties of organic composite photoconductor. Proceedings of SPIE, 2010, , .	0.8	0
137	Tailored merocyaninedyes for solution-processed BHJ solar cells. Journal of Materials Chemistry, 2010, 20, 240-243.	6.7	124
138	Measuring the internal luminescence quantum efficiency of OLED emitter materials in electrical operation. Proceedings of SPIE, 2010, , .	0.8	3
139	Near-Infrared Absorbing Merocyanine Dyes for Bulk Heterojunction Solar Cells. Organic Letters, 2010, 12, 3666-3669.	2.4	59
140	Deep blue organic light-emitting diodes based on triphenylenes. Synthetic Metals, 2010, 160, 691-700.	2.1	45
141	Highly color-stable solution-processed multilayer WOLEDs for lighting application. Journal of Materials Chemistry, 2010, 20, 3301.	6.7	50
142	Ultrafast charge carrier mobility dynamics in poly(spirobifluorene-co-benzothiadiazole): Influence of temperature on initial transport. Physical Review B, 2010, 82, .	1.1	28
143	Improving the lifetime of white polymeric organic light-emitting diodes. Journal of Applied Physics, 2009, 106, 024506.	1.1	13
144	Excited state relaxation in poly(spirobifluorene-co-benzothiadiazole) films. Journal of Chemical Physics, 2009, 131, 104902.	1.2	14

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145	Depth resolved holographic imaging with variable depth resolution using spectrally tunable diode laser. Electronics Letters, 2009, 45, 46.	0.5	7
146	Morphology Control in Solutionâ€Processed Bulkâ€Heterojunction Solar Cell Mixtures. Advanced Functional Materials, 2009, 19, 3028-3036.	7.8	252
147	The Simple Way to Solutionâ€Processed Multilayer OLEDs â€“ Layered Blockâ€Copolymer Networks by Living Cationic Polymerization. Advanced Materials, 2009, 21, 879-884.	11.1	84
148	Organic LEDs: The Simple Way to Solution-Processed Multilayer OLEDs - Layered Block-Copolymer Networks by Living Cationic Polymerization (Adv. Mater. 8/2009). Advanced Materials, 2009, 21, NA-NA.	11.1	0
149	Synthesis and Characterization of Oxetaneâ€Functionalized Phosphorescent Ir(III)â€Complexes. Macromolecular Chemistry and Physics, 2009, 210, 531-541.	1.1	24
150	Titelbild: Photoprogrammable Organic Light-Emitting Diodes (Angew. Chem. 22/2009). Angewandte Chemie, 2009, 121, 3941-3941.	1.6	1
151	Photoprogrammable Organic Lightâ€Emitting Diodes. Angewandte Chemie - International Edition, 2009, 48, 4038-4041.	7.2	104
152	Outstanding Shortâ€Circuit Currents in BHJ Solar Cells Based on NIRâ€Absorbing Acceptorâ€Substituted Squaraines. Angewandte Chemie - International Edition, 2009, 48, 8776-8779.	7.2	228
153	Cover Picture: Photoprogrammable Organic Light-Emitting Diodes (Angew. Chem. Int. Ed. 22/2009). Angewandte Chemie - International Edition, 2009, 48, 3883-3883.	7.2	0
154	Femtosecond properties of photorefractive polymers. Applied Physics B: Lasers and Optics, 2009, 95, 31-35.	1.1	7
155	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.	1.1	20
156	Effect of co-sensitization in new hybrid photo-refractive materials based on PVK polymer matrix and inorganic LiNbO3 nano-crystals. Applied Physics B: Lasers and Optics, 2009, 95, 519-524.	1.1	9
157	Cross-Linkable Polyspirobifluorenes: A Material Class Featuring Good OLED Performance and Low Amplified Spontaneous Emission Thresholds. Chemistry of Materials, 2009, 21, 2912-2919.	3.2	25
158	A High Molecular Weight Aromatic PhOLED Matrix Polymer Obtained by Metal-Free, Superacid-Catalyzed Polyhydroxyalkylation. Macromolecules, 2009, 42, 9225-9230.	2.2	31
159	Enhancement of charge carrier transport by doping PVK-based photoconductive polymers withLiNbO3nanocrystals. Physical Review B, 2009, 79, .	1.1	15
160	Unexpected Side Chain Oxidation in a Swivel Cruciform Oligothiophene. Organic Letters, 2009, 11, 2149-2152.	2.4	9
161	Efficient Synthesis of Carbazolyl- and Thienyl-Substituted Î²-Diketonates and Properties of Their Red- and Green-Light-Emitting Ir(III) Complexes. Journal of Organic Chemistry, 2009, 74, 2718-2725.	1.7	76
162	Three-dimensional holographic imaging of living tissue using a highly sensitive photorefractive polymer device. Optics Express, 2009, 17, 11834.	1.7	44

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