

Klaus - Meerholz

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.

322
papers

17,001
citations

68
h-index

121
g-index

373
ext. papers

18,185
ext. citations

8.9
avg, IF

6.66
L-index

#	Paper	IF	Citations
322	Perovskite-organic tandem solar cells with indium oxide interconnect.. <i>Nature</i> , 2022 , 604, 280-286	50.4	35
321	Percolation Description of Charge Transport in Amorphous Oxide Semiconductors: Band Conduction Dominated by Disorder 2022 , 125-144		
320	Energy Scaling of Compositional Disorder in Ternary Transition-Metal Dichalcogenide Monolayers. <i>Advanced Electronic Materials</i> , 2021 , 7, 2100196	6.4	5
319	Tunneling current modulation in atomically precise graphene nanoribbon heterojunctions. <i>Nature Communications</i> , 2021 , 12, 2542	17.4	4
318	Cyclopentadiene-Based Hole-Transport Material for Cost-Reduced Stabilized Perovskite Solar Cells with Power Conversion Efficiencies Over 23%. <i>Advanced Energy Materials</i> , 2021 , 11, 2003953	21.8	4
317	Parametrization of the Gaussian Disorder Model to Account for the High Carrier Mobility in Disordered Organic Transistors. <i>Physical Review Applied</i> , 2021 , 15,	4.3	8
316	Understanding the structural and charge transport property relationships for a variety of merocyanine single-crystals: a bottom up computational investigation. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10851-10864	7.1	1
315	Ni, Pd, and Pt complexes of a tetradentate dianionic thiosemicarbazone-based O ^N N ^S ligand. <i>Dalton Transactions</i> , 2021 , 50, 4311-4322	4.3	5
314	Enhancing Light Outcoupling in Organic Light-Emitting Devices by Integration of Scattering Electrodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 2070035	1.6	
313	Low-Refractive Index Layers in Organic Light-Emitting Diodes via Electrospray Deposition for Enhanced Outcoupling Efficiencies. <i>Advanced Engineering Materials</i> , 2020 , 22, 2070021	3.5	
312	Probing the origin of photoluminescence blinking in graphene nanoribbons: Influence of plasmonic field enhancement. <i>2D Materials</i> , 2020 , 7, 045009	5.9	
311	Trap-Assisted Triplet Emission in Ladder-Polymer-Based Light-Emitting Diodes. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000082	6.4	2
310	Polymorphic chiral squaraine crystallites in textured thin films. <i>Chirality</i> , 2020 , 32, 619-631	2.1	6
309	Cyclopentadithiophene-Based Hole-Transporting Material for Highly Stable Perovskite Solar Cells with Stabilized Efficiencies Approaching 21%. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7456-7463	6.1	14
308	Enhancing Light Outcoupling in Organic Light-Emitting Devices by Integration of Scattering Electrodes. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 1900593	1.6	
307	Crosslinkable Bis(diphenylamine)-Substituted Mixed Dihydroindeno[1,2-b]fluorenes for Solution-Processed Multilayer Organic Light-Emitting Diodes. <i>ChemPlusChem</i> , 2020 , 85, 151-158	2.8	2
306	Novel Photoactive Spirooxazine Based Switch@MOF Composite Materials. <i>ChemPhotoChem</i> , 2020 , 4, 195-206	3.3	17

305	Doped but Stable: Spirobisacridine Hole Transporting Materials for Hysteresis-Free and Stable Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020 , 142, 1792-1800	16.4	29
304	Low-Refractive Index Layers in Organic Light-Emitting Diodes via Electrospray Deposition for Enhanced Outcoupling Efficiencies. <i>Advanced Engineering Materials</i> , 2020 , 22, 1900897	3.5	4
303	Structure and Dielectric Properties of Anisotropic n-Alkyl Anilino Squaraine Thin Films. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 22721-22732	3.8	5
302	Photodetection Using Atomically Precise Graphene Nanoribbons. <i>ACS Applied Nano Materials</i> , 2020 , 3, 8343-8351	5.6	6
301	High fatigue resistance of a photochromic dithienylethene embedded into the pores of a metal-organic framework (MOF). <i>Photochemical and Photobiological Sciences</i> , 2020 , 19, 1730-1740	4.2	5
300	Investigation of Hierarchical Structure Formation in Merocyanine Photovoltaics. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 19457-19466	3.8	4
299	Impact of the Interfacial Molecular Structure Organization on the Charge Transfer State Formation and Exciton Delocalization in Merocyanine:PC61BM Blends. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 21978-21984	3.8	2
298	Charge carrier migration and hole extraction from MAPbI ₃ . <i>Journal of Physics: Conference Series</i> , 2019 , 1220, 012053	0.3	
297	Organic Electronics: Ultranarrow Bandwidth Organic Photodiodes by Exchange Narrowing in Merocyanine H- and J-Aggregate Excitonic Systems (Adv. Funct. Mater. 21/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970144	15.6	0
296	Nickel(II) and Copper(II) Coordination Polymers Derived from 1,2,4,5-Tetraaminobenzene for Lithium-Ion Batteries. <i>Chemistry of Materials</i> , 2019 , 31, 5197-5205	9.6	34
295	Multilayer OLEDs with four slot die-coated layers 2019 , 16, 1643-1652		9
294	Absolute energy level positions in tin- and lead-based halide perovskites. <i>Nature Communications</i> , 2019 , 10, 2560	17.4	195
293	Comparative Study of Printed Multilayer OLED Fabrication through Slot Die Coating, Gravure and Inkjet Printing, and Their Combination. <i>Colloids and Interfaces</i> , 2019 , 3, 32	3	19
292	Impact of Titanium Dioxide Surface Defects on the Interfacial Composition and Energetics of Evaporated Perovskite Active Layers. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 32500-32508	9.5	19
291	Polarons in π -conjugated ladder-type polymers: a broken symmetry density functional description. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 12876-12885	7.1	14
290	Room-Temperature Stimulated Emission and Lasing in Recrystallized Cesium Lead Bromide Perovskite Thin Films. <i>Advanced Materials</i> , 2019 , 31, e1903717	24	96
289	Bismuth-Antimony mixed double perovskites Cs ₂ AgBi _{1-x} Sb _x Br ₆ in solar cells. <i>MRS Advances</i> , 2019 , 4, 3545-3552	0.7	7
288	Ultranarrow Bandwidth Organic Photodiodes by Exchange Narrowing in Merocyanine H- and J-Aggregate Excitonic Systems. <i>Advanced Functional Materials</i> , 2019 , 29, 1805058	15.6	32

287	Planar Perovskite Solar Cells with High Open-Circuit Voltage Containing a Supramolecular Iron Complex as Hole Transport Material Dopant. <i>ChemPhysChem</i> , 2018 , 19, 1363-1370	3.2	13
286	Enhanced light-matter interaction of aligned armchair graphene nanoribbons using arrays of plasmonic nanoantennas. <i>2D Materials</i> , 2018 , 5, 045006	5.9	10
285	Impact of excess PbI ₂ on the structure and the temperature dependent optical properties of methylammonium lead iodide perovskites. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7512-7519	7.1	38
284	EMERGENCE OF INNOVATION CHAMPIONS: DIFFERENCES IN THE R&D COLLABORATION PROCESS BETWEEN SCIENCE AND INDUSTRY. <i>International Journal of Innovation Management</i> , 2018 , 22, 1840008	1.5	3
283	Observation of Room-Temperature Photoluminescence Blinking in Armchair-Edge Graphene Nanoribbons. <i>Nano Letters</i> , 2018 , 18, 7038-7044	11.5	7
282	Does Electron Delocalization Influence Charge Separation at Donor-Acceptor Interfaces in Organic Photovoltaic Cells?. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 21792-21802	3.8	30
281	Suppressed decomposition of organometal halide perovskites by impermeable electron-extraction layers in inverted solar cells. <i>Nature Communications</i> , 2017 , 8, 13938	17.4	211
280	Substrate-dependent electronic structure and film formation of MAPbI perovskites. <i>Scientific Reports</i> , 2017 , 7, 40267	4.9	189
279	Indium-Free Perovskite Solar Cells Enabled by Impermeable Tin-Oxide Electron Extraction Layers. <i>Advanced Materials</i> , 2017 , 29, 1606656	24	61
278	Optimizing the Near-Infrared Performance of Photorefractive Composites by Chemical Modification of the Sensitizer. <i>ChemPhotoChem</i> , 2017 , 1, 304-310	3.3	
277	Characterization and calibration of radiation-damaged double-sided silicon strip detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 855, 109-117	1.2	3
276	Making Graphene Nanoribbons Photoluminescent. <i>Nano Letters</i> , 2017 , 17, 4029-4037	11.5	54
275	Atomistic Approach To Simulate Processes Relevant for the Efficiencies of Organic Solar Cells as a Function of Molecular Properties. II. Kinetic Aspects. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 26-51	3.8	16
274	Donor-Acceptor Dyes for Organic Photovoltaics. <i>Advances in Polymer Science</i> , 2017 , 193-214	1.3	18
273	Solution-Like Behavior of Photoswitchable Spiroyrans Embedded in Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2017 , 56, 13100-13110	5.1	52
272	Influence of Hybrid Perovskite Fabrication Methods on Film Formation, Electronic Structure, and Solar Cell Performance. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	2
271	Luminescent PtII Complexes of Tridentate Cyclometalating 2,5-Bis(aryl)-pyridine Ligands. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 5215-5223	2.3	14
270	Structure-Property Relationships from Atomistic Multiscale Simulations of the Relevant Processes in Organic Solar Cells. I. Thermodynamic Aspects. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 4-25	3.8	24

269	Zero-dimensional (CH ₃ NH ₃) ₃ Bi ₂ I ₉ perovskite for optoelectronic applications. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 158, 195-201	6.4	149
268	Impact of Film Stoichiometry on the Ionization Energy and Electronic Structure of CH ₃ NH ₃ PbI ₃ Perovskites. <i>Advanced Materials</i> , 2016 , 28, 553-9	24	127
267	Metal-Free, Multicomponent Synthesis of Pyrrole-Based π -Conjugated Polymers from Imines, Acid Chlorides, and Alkynes. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10516-21	16.4	52
266	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. <i>Organic Electronics</i> , 2015 , 21, 171-176	3.5	24
265	Electrospun Black Titania Nanofibers: Influence of Hydrogen Plasma-Induced Disorder on the Electronic Structure and Photoelectrochemical Performance. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 18835-18842	3.8	58
264	Structure-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. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 17602-17611	3.8	20
263	High Electron Mobility and Its Role in Charge Carrier Generation in Merocyanine/Fullerene Blends. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5761-5770	3.8	10
262	Influence of Solid-State Packing of Dipolar Merocyanine Dyes on Transistor and Solar Cell Performances. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13524-34	16.4	58
261	The I-V characteristics of organic hole-only devices based on crosslinked hole-transport layer. <i>Journal of Applied Research and Technology</i> , 2015 , 13, 253-260	1.7	7
260	Impact of mesoscale order on open-circuit voltage in organic solar cells. <i>Nature Materials</i> , 2015 , 14, 434-27		154
259	Probing Electronics as a Function of Size and Surface of Colloidal Germanium Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 5671-5678	3.8	15
258	Optical and electrical multilevel storage in organic memory passive matrix arrays. <i>Organic Electronics</i> , 2014 , 15, 3688-3693	3.5	17
257	Polythiophenoazomethines π -Alternate photoactive materials for organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 15620-15626	13	12
256	Determination of the optical constants of bulk heterojunction active layers from standard solar cell measurements. <i>Organic Electronics</i> , 2014 , 15, 3584-3589	3.5	3
255	NIR-Absorbing Merocyanine Dyes for BHJ Solar Cells. <i>Chemistry of Materials</i> , 2014 , 26, 4856-4866	9.6	48
254	Simple fabrication of an organic laser by microcontact molding of a distributed feedback grating. <i>Advanced Materials</i> , 2014 , 26, 6019-24	24	8
253	Comparative Studies on Optical, Redox, and Photovoltaic Properties of a Series of D π D and Analogous D π Chromophores. <i>Advanced Functional Materials</i> , 2014 , 24, 4645-4653	15.6	22
252	Time-independent, high electron mobility in thin PC61BM films: Relevance to organic photovoltaics. <i>Organic Electronics</i> , 2014 , 15, 3729-3734	3.5	24

251	Photochromic Switching of Fano Resonances in Metallic Photonic Crystal Slabs. <i>Advanced Optical Materials</i> , 2014 , 2, 861-865	8.1	8
250	Solution processed organic double light-emitting layer diode based on cross-linkable small molecular systems. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 9563-7	16.4	45
249	Photochromic Materials: Photochromic Transduction Layers in Organic Memory Elements (Adv. Mater. 3/2013). <i>Advanced Materials</i> , 2013 , 25, 294-294	24	1
248	Charge Carrier Generation and Transport in a Polyfluorene Copolymer With Electron Donating Side Groups Doped With PCBM. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 15871-15878	3.8	2
247	Photophysical properties and OLED performance of light-emitting platinum(II) complexes. <i>Dalton Transactions</i> , 2013 , 42, 13612-21	4.3	35
246	An efficient merocyanine/zinc phthalocyanine tandem solar cell. <i>Organic Electronics</i> , 2013 , 14, 2029-2033	3.5	9
245	Enhanced photocurrent generation by folding-driven H-aggregate formation. <i>Chemical Science</i> , 2013 , 4, 2071	9.4	22
244	Charge Transfer States in Merocyanine Neat Films and Its Blends with [6,6]-Phenyl-C61-butyric Acid Methyl Ester. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 6039-6048	3.8	6
243	A photochromic diode with a continuum of intermediate states: towards high density multilevel storage. <i>Advanced Materials</i> , 2013 , 25, 4807-13	24	55
242	Crosslinkable TAPC-Based Hole-Transport Materials for Solution-Processed Organic Light-Emitting Diodes with Reduced Efficiency Roll-Off. <i>Advanced Functional Materials</i> , 2013 , 23, 359-365	15.6	84
241	Luminescent neutral platinum complexes bearing an asymmetric N(^) N(^) N ligand for high-performance solution-processed OLEDs. <i>Advanced Materials</i> , 2013 , 25, 437-42	24	83
240	Photochromic transduction layers in organic memory elements. <i>Advanced Materials</i> , 2013 , 25, 469-76	24	75
239	Solution Processed Organic Double Light-Emitting Layer Diode Based on Cross-Linkable Small Molecular Systems. <i>Angewandte Chemie</i> , 2013 , 125, 9742-9746	3.6	10
238	Mechanisms for High-Performance and Non-Local Photoisomerization Gratings in a SolGel Material. <i>Advanced Functional Materials</i> , 2013 , 23, 3770-3781	15.6	4
237	Control of electronic properties of triphenylene by substitution. <i>Organic Electronics</i> , 2012 , 13, 71-83	3.5	12
236	Efficiency Enhanced Hybrid Solar Cells Using a Blend of Quantum Dots and Nanorods. <i>Advanced Functional Materials</i> , 2012 , 22, 397-404	15.6	107
235	Exciton diffusion, annihilation and their role in the charge carrier generation in fluorene based copolymers. <i>Chemical Physics</i> , 2012 , 404, 42-47	2.3	24
234	Aggregation-dependent photovoltaic properties of squaraine/PC61BM bulk heterojunctions. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8328-34	3.6	79

233	Planar, bulk and hybrid merocyanine/C60 heterojunction devices: a case study on thin film morphology and photovoltaic performance. <i>Journal of Materials Chemistry</i> , 2012 , 22, 4473-4482		14
232	Tracing a Moving Thin-Film Reaction Front with Nanometer Resolution. <i>Macromolecules</i> , 2012 , 45, 3487-3495		7
231	Preparation of Insoluble Hole-Injection Layers by Cationic Ring-Opening Polymerisation of Oxetane-Derivatized TriPhenylamineDimer for Organic Electronics Devices. <i>Procedia Chemistry</i> , 2012 , 4, 216-223		4
230	Mechanical exfoliation of epitaxial graphene on Ir(111) enabled by Br ₂ intercalation. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 314208	1.8	11
229	Determination of volume fractions and ligand layer thickness of polymer/CdSe quantum dot blend films by effective medium approximations. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 75-82	2.6	4
228	Molecular oxygen as a redox catalyst in intramolecular photocycloadditions of coumarins. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6000-4	16.4	32
227	Non-steady-state photoelectromotive force effect under linear and periodical phase modulation: application to detection of Doppler frequency shift. <i>Optics Letters</i> , 2012 , 37, 383-5	3	8
226	Towards highly efficient solar cells based on merocyanine dyes. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1390, 24		
225	Investigation of the Photocross-Linking Mechanism in Oxetane-Functionalized Semiconductors. <i>Chemistry of Materials</i> , 2011 , 23, 5001-5005	9.6	39
224	Optical Amplification of Propagating Surface Plasmon Polaritons 2011 ,		1
223	Beam walk-off suppression in photorefractive polymer-based coherence domain holography. <i>Applied Physics B: Lasers and Optics</i> , 2011 , 102, 803-807	1.9	5
222	Effect of Trace Solvent on the Morphology of P3HT:PCBM Bulk Heterojunction Solar Cells. <i>Advanced Functional Materials</i> , 2011 , 21, 1779-1787	15.6	165
221	Sub-Micrometer Patterning of Amorphous- and EPhase in a Crosslinkable Poly(9,9-dioctylfluorene): Dual-Wavelength Lasing from a Mixed-Morphology Device. <i>Advanced Functional Materials</i> , 2011 , 21, 2564-2570	15.6	40
220	White organic light-emitting diodes. <i>Advanced Materials</i> , 2011 , 23, 233-48	24	786
219	Organic Photorefractive Materials and Applications. <i>Advanced Materials</i> , 2011 , 23, 4725-4763	24	82
218	Surface-initiated phase separation--fabrication of two-layer organic light-emitting devices in a single processing step. <i>Advanced Materials</i> , 2011 , 23, 4301-5	24	10
217	Parallel bulk-heterojunction solar cell by electrostatically driven phase separation. <i>Advanced Materials</i> , 2011 , 23, 5398-403	24	32
216	Simple, Highly Efficient Vacuum-Processed Bulk Heterojunction Solar Cells Based on Merocyanine Dyes. <i>Advanced Energy Materials</i> , 2011 , 1, 888-893	21.8	137

215	Lumineszenz eines Platin(II)-Komplexes in gelierenden Nanofasern und elektrolumineszierenden Filmen. <i>Angewandte Chemie</i> , 2011 , 123, 976-980	3.6	53
214	Efficient Solution-Processed Bulk Heterojunction Solar Cells by Antiparallel Supramolecular Arrangement of Dipolar Donor-Acceptor Dyes. <i>Angewandte Chemie</i> , 2011 , 123, 11832-11836	3.6	54
213	Switching on luminescence by the self-assembly of a platinum(II) complex into gelating nanofibers and electroluminescent films. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 946-50	16.4	250
212	Efficient solution-processed bulk heterojunction solar cells by antiparallel supramolecular arrangement of dipolar donor-acceptor dyes. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 11628-32	16.4	210
211	Screening structure-property correlations and device performance of Ir(III) complexes in multi-layer PHOLEDs. <i>Dalton Transactions</i> , 2011 , 40, 11629-35	4.3	21
210	A simple merocyanine tandem solar cell with extraordinarily high open-circuit voltage. <i>Applied Physics Letters</i> , 2011 , 99, 193306	3.4	15
209	Net optical gain in a plasmonic waveguide embedded in a fluorescent polymer. <i>Nature Photonics</i> , 2010 , 4, 457-461	33.9	180
208	Sensitizer Effects on the Transport Properties of Polymer:Sensitizer Organic Blend. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1270, 1		
207	Modular Synthesis and Electronic and Hole-Transport Properties of Monodisperse Oligophenothiazines. <i>Macromolecular Symposia</i> , 2010 , 287, 1-7	0.8	14
206	Electric field assisted charge carrier photogeneration in poly(spirobifluorene-co-benzothiadiazole). <i>Journal of Chemical Physics</i> , 2010 , 133, 164904	3.9	8
205	Measuring the dipole orientation in OLEDs 2010 ,		2
204	Tailored merocyanine dyes for solution-processed BHJ solar cells. <i>Journal of Materials Chemistry</i> , 2010 , 20, 240-243		117
203	Measuring the internal luminescence quantum efficiency of OLED emitter materials in electrical operation 2010 ,		2
202	Near-infrared absorbing merocyanine dyes for bulk heterojunction solar cells. <i>Organic Letters</i> , 2010 , 12, 3666-9	6.2	54
201	Deep blue organic light-emitting diodes based on triphenylenes. <i>Synthetic Metals</i> , 2010 , 160, 691-700	3.6	44
200	Highly color-stable solution-processed multilayer WOLEDs for lighting application. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3301		45
199	Ultrafast charge carrier mobility dynamics in poly(spirobifluorene-co-benzothiadiazole): Influence of temperature on initial transport. <i>Physical Review B</i> , 2010 , 82,	3.3	26
198	P-176: HYPOLED - High-Performance OLED Microdisplays for Mobile Multimedia HMD and Projection Applications. <i>Digest of Technical Papers SID International Symposium</i> , 2010 , 41, 1926	0.5	3

197	Influence of the sensitizer reduction potential on the sensitivity of photorefractive polymer composites. <i>Journal of Materials Chemistry</i> , 2010 , 20, 6170		15
196	A lasing organic light-emitting diode. <i>Advanced Materials</i> , 2010 , 22, 531-4	24	42
195	1064-nm sensitive organic photorefractive composites. <i>Advanced Materials</i> , 2010 , 22, 1383-6	24	12
194	Direct comparison of highly efficient solution- and vacuum-processed organic solar cells based on merocyanine dyes. <i>Advanced Materials</i> , 2010 , 22, 4193-7	24	74
193	Alkali metal doped organic molecules on insulators: charge impact on the optical properties. <i>Advanced Materials</i> , 2010 , 22, 4064-70	24	12
192	Monolithic integration of multi-color organic LEDs by grayscale lithography. <i>Advanced Materials</i> , 2010 , 22, 4634-8	24	28
191	Systems chemistry approach in organic photovoltaics. <i>Chemistry - A European Journal</i> , 2010 , 16, 9366-73	4.8	205
190	Novel non-conjugated main-chain hole-transporting polymers for organic electronics application. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1560-7	4.8	24
189	Orientation of emissive dipoles in OLEDs: Quantitative in situ analysis. <i>Organic Electronics</i> , 2010 , 11, 1039-1046	3.5	111
188	Towards organic light-emitting diode microdisplays with sub-pixel patterning. <i>Organic Electronics</i> , 2010 , 11, 57-61	3.5	30
187	Hierarchical charge carrier motion in conjugated polymers. <i>Chemical Physics Letters</i> , 2010 , 498, 302-306	2.5	33
186	Improving the lifetime of white polymeric organic light-emitting diodes. <i>Journal of Applied Physics</i> , 2009 , 106, 024506	2.5	13
185	Excited state relaxation in poly(spirobifluorene-co-benzothiadiazole) films. <i>Journal of Chemical Physics</i> , 2009 , 131, 104902	3.9	11
184	Depth resolved holographic imaging with variable depth resolution using spectrally tunable diode laser. <i>Electronics Letters</i> , 2009 , 45, 46	1.1	5
183	Morphology Control in Solution-Processed Bulk-Heterojunction Solar Cell Mixtures. <i>Advanced Functional Materials</i> , 2009 , 19, 3028-3036	15.6	242
182	The Simple Way to Solution-Processed Multilayer OLEDs [Layered Block-Copolymer Networks by Living Cationic Polymerization. <i>Advanced Materials</i> , 2009 , 21, 879-884	24	78
181	Photoprogrammable Organic Light-Emitting Diodes. <i>Angewandte Chemie</i> , 2009 , 121, 4098-4101	3.6	12
180	Synthesis and Characterization of Oxetane-Functionalized Phosphorescent Ir(III)-Complexes. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 531-541	2.6	24

179	Herausragende Kurzschlussströme in BHJ-Solarzellen auf Basis NIR-absorbierender, akzeptorsubstituierter Squaraine. <i>Angewandte Chemie</i> , 2009 , 121, 8934-8937	3.6	34
178	Titelbild: Photoprogrammable Organic Light-Emitting Diodes (Angew. Chem. 22/2009). <i>Angewandte Chemie</i> , 2009 , 121, 3941-3941	3.6	1
177	Photoprogrammable organic light-emitting diodes. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4038-41	16.4	95
176	Outstanding short-circuit currents in BHJ solar cells based on NIR-absorbing acceptor-substituted squaraines. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 8776-9	16.4	214
175	Cover Picture: Photoprogrammable Organic Light-Emitting Diodes (Angew. Chem. Int. Ed. 22/2009). <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 3883-3883	16.4	
174	Femtosecond properties of photorefractive polymers. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 31-35	9	7
173	Highly-efficient solution-processed phosphorescent multi-layer organic light-emitting diodes investigated by electromodulation spectroscopy. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 113-124	1.9	19
172	Effect of co-sensitization in new hybrid photo-refractive materials based on PVK polymer matrix and inorganic LiNbO ₃ nano-crystals. <i>Applied Physics B: Lasers and Optics</i> , 2009 , 95, 519-524	1.9	9
171	Cross-Linkable Polyspirobifluorenes: A Material Class Featuring Good OLED Performance and Low Amplified Spontaneous Emission Thresholds. <i>Chemistry of Materials</i> , 2009 , 21, 2912-2919	9.6	25
170	A High Molecular Weight Aromatic PhOLED Matrix Polymer Obtained by Metal-Free, Superacid-Catalyzed Polyhydroxyalkylation. <i>Macromolecules</i> , 2009 , 42, 9225-9230	5.5	30
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1	Comment on Interplay of Structural and Optoelectronic Properties in Formamidinium Mixed Tin-Lead Triiodide Perovskites. <i>Advanced Functional Materials</i> , 2201309	15.6	1