

Klaus - Meerholz

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373
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18,185
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L-index

#	Paper	IF	Citations
322	Multi-colour organic light-emitting displays by solution processing. <i>Nature</i> , 2003 , 421, 829-33	50.4	975
321	White organic light-emitting diodes. <i>Advanced Materials</i> , 2011 , 23, 233-48	24	786
320	A photorefractive polymer with high optical gain and diffraction efficiency near 100%. <i>Nature</i> , 1994 , 371, 497-500	50.4	583
319	Improving the performance of doped pi-conjugated polymers for use in organic light-emitting diodes. <i>Nature</i> , 2000 , 405, 661-5	50.4	496
318	Controlling Morphology in PolymerFullerene Mixtures. <i>Advanced Materials</i> , 2008 , 20, 240-245	24	477
317	Efficiency enhancements in solid-state hybrid solar cells via reduced charge recombination and increased light capture. <i>Nano Letters</i> , 2007 , 7, 3372-6	11.5	350
316	Improving the Performance of Polyfluorene-Based Organic Light-Emitting Diodes via End-capping. <i>Advanced Materials</i> , 2001 , 13, 565-570	24	342
315	Highly Efficient Polymeric Electrophosphorescent Diodes. <i>Advanced Materials</i> , 2006 , 18, 948-954	24	309
314	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
313	Solution-Processed Full-Color Polymer Organic Light-Emitting Diode Displays Fabricated by Direct Photolithography. <i>Advanced Functional Materials</i> , 2007 , 17, 191-200	15.6	249
312	Morphology Control in Solution-Processed Bulk-Heterojunction Solar Cell Mixtures. <i>Advanced Functional Materials</i> , 2009 , 19, 3028-3036	15.6	242
311	The effect of active layer thickness and composition on the performance of bulk-heterojunction solar cells. <i>Journal of Applied Physics</i> , 2006 , 100, 094503	2.5	224
310	Substituted Aluminum and Zinc Quinolates with Blue-Shifted Absorbance/Luminescence Bands: Synthesis and Spectroscopic, Photoluminescence, and Electroluminescence Characterization. <i>Chemistry of Materials</i> , 1996 , 8, 344-351	9.6	217
309	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
308	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
307	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
306	Systems chemistry approach in organic photovoltaics. <i>Chemistry - A European Journal</i> , 2010 , 16, 9366-73	4.8	205

305	Absolute energy level positions in tin- and lead-based halide perovskites. <i>Nature Communications</i> , 2019 , 10, 2560	17.4	195
304	Chromophore design for photorefractive organic materials. <i>ChemPhysChem</i> , 2002 , 3, 17-31	3.2	195
303	Substrate-dependent electronic structure and film formation of MAPbI perovskites. <i>Scientific Reports</i> , 2017 , 7, 40267	4.9	189
302	Net optical gain in a plasmonic waveguide embedded in a fluorescent polymer. <i>Nature Photonics</i> , 2010 , 4, 457-461	33.9	180
301	Liquid Crystalline Coronene Derivatives with Extraordinary Fluorescence Properties. <i>Angewandte Chemie - International Edition</i> , 1998 , 37, 1434-1437	16.4	172
300	Two Novel Cyclopentadithiophene-Based Alternating Copolymers as Potential Donor Components for High-Efficiency Bulk-Heterojunction-Type Solar Cells. <i>Chemistry of Materials</i> , 2008 , 20, 4045-4050	9.6	172
299	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
298	Bulk heterojunction organic solar cells based on merocyanine colorants. <i>Chemical Communications</i> , 2008 , 6489-91	5.8	165
297	Influence of the anodic work function on the performance of organic solar cells. <i>ChemPhysChem</i> , 2002 , 3, 795-9	3.2	165
296	A polymeric optical pattern-recognition system for security verification. <i>Nature</i> , 1996 , 383, 58-60	50.4	160
295	Electrochemical solution and solid-state investigations on conjugated oligomers and polymers of the thiophene and the p-phenylene series. <i>Electrochimica Acta</i> , 1996 , 41, 1839-1854	6.7	155
294	Impact of mesoscale order on open-circuit voltage in organic solar cells. <i>Nature Materials</i> , 2015 , 14, 434-437	9.7	154
293	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
292	New crosslinkable hole conductors for blue-phosphorescent organic light-emitting diodes. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 4388-92	16.4	146
291	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
290	Advanced Device Architecture for Highly Efficient Organic Light-Emitting Diodes with an Orange-Emitting Crosslinkable Iridium(III) Complex. <i>Advanced Materials</i> , 2008 , 20, 129-133	24	134
289	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
288	Highly efficient solution-processed phosphorescent multilayer organic light-emitting diodes based on small-molecule hosts. <i>Applied Physics Letters</i> , 2007 , 91, 103507	3.4	125

287	Novel oligo(phenylenevinylenes): models for the charging of extended .pi. chains. <i>Journal of the American Chemical Society</i> , 1991 , 113, 2634-2647	16.4	123
286	Tailored merocyanine dyes for solution-processed BHJ solar cells. <i>Journal of Materials Chemistry</i> , 2010 , 20, 240-243		117
285	On the Origin of the Color Shift in White-Emitting OLEDs. <i>Advanced Materials</i> , 2007 , 19, 4460-4465	24	112
284	Orientation of emissive dipoles in OLEDs: Quantitative in situ analysis. <i>Organic Electronics</i> , 2010 , 11, 1039-1046	11	111
283	Solution processable organic field-effect transistors utilizing an alpha,alpha'-dihexylpentathiophene-based swivel cruciform. <i>Journal of the American Chemical Society</i> , 2006 , 128, 3914-5	16.4	109
282	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
281	Synthesis and Characterization of Photo-Cross-Linkable Hole-Conducting Polymers. <i>Macromolecules</i> , 2005 , 38, 1640-1647	5.5	104
280	Crosslinkable hole-transport materials for preparation of multilayer organic light emitting devices by spin-coating. <i>Macromolecular Rapid Communications</i> , 1999 , 20, 224-228	4.8	103
279	ATOP dyes. optimization of a multifunctional merocyanine chromophore for high refractive index modulation in photorefractive materials. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2810-24	16.4	101
278	Room-Temperature Stimulated Emission and Lasing in Recrystallized Cesium Lead Bromide Perovskite Thin Films. <i>Advanced Materials</i> , 2019 , 31, e1903717	24	96
277	Photoprogrammable organic light-emitting diodes. <i>Angewandte Chemie - International Edition</i> , 2009 , 48, 4038-41	16.4	95
276	Electrochemically Induced Structural Changes in Conducting Polymers. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1988 , 92, 1266-1271		93
275	Synthesis, (Non)Linear Optical and Redox Properties of a Donor-Substituted Truxenone Derivative. <i>Chemistry - A European Journal</i> , 1998 , 4, 2129-2135	4.8	92
274	Multiple reversible electrochemical reduction of aromatic hydrocarbons in liquid alkylamines. <i>Journal of the American Chemical Society</i> , 1989 , 111, 2325-2326	16.4	92
273	Ultrafast dynamics of carrier mobility in a conjugated polymer probed at molecular and microscopic length scales. <i>Physical Review Letters</i> , 2009 , 103, 027404	7.4	85
272	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
271	Modern Trends in Organic Light-Emitting Devices (OLEDs). <i>Monatshefte Für Chemie</i> , 2006 , 137, 811-824	1.4	84
270	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

269	Near-infrared sensitivity enhancement of photorefractive polymer composites by pre-illumination. <i>Nature</i> , 2002 , 418, 959-64	50.4	83
268	Organic Photorefractive Materials and Applications. <i>Advanced Materials</i> , 2011 , 23, 4725-4763	24	82
267	Merocyanine Dyes in the Cyanine Limit: A New Class of Chromophores for Photorefractive Materials. <i>Angewandte Chemie International Edition in English</i> , 1997 , 36, 2765-2768		82
266	Aggregation-dependent photovoltaic properties of squaraine/PC61BM bulk heterojunctions. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 8328-34	3.6	79
265	Minimizing optical losses in bulk heterojunction polymer solar cells. <i>Applied Physics B: Lasers and Optics</i> , 2007 , 86, 721-727	1.9	79
264	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
263	Subchromophore interactions in tricyanovinyl-substituted triarylamines [combined experimental and computational study. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999 , 577-588		78
262	Efficient blue organic light-emitting diodes with graded hole-transport layers. <i>ChemPhysChem</i> , 2000 , 1, 207-11	3.2	76
261	Photochromic transduction layers in organic memory elements. <i>Advanced Materials</i> , 2013 , 25, 469-76	24	75
260	Highly efficient photorefractive polymers for dynamic holography. <i>Optical Engineering</i> , 1995 , 34, 2213	1.1	75
259	Electrochemical Solid-State Studies on Oligomeric p-Phenylenes as Model Compounds for Conductive Polymers. <i>Angewandte Chemie International Edition in English</i> , 1990 , 29, 692-695		75
258	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
257	Syntheses and NLO Properties of Chromium Carbonyl Arene Complexes with Conjugated Side Chains: [The Amphoteric Nature of Chromium Carbonyl Complexation in PushPull Chromophores. <i>Organometallics</i> , 1999 , 18, 5066-5074	3.8	74
256	Synthesis and Nonlinear Optical Properties of Three-Dimensional Phosphonium Ion Chromophores. <i>Chemistry - A European Journal</i> , 1998 , 4, 512-521	4.8	70
255	Efficient synthesis of carbazolyl- and thienyl-substituted beta-diketonates and properties of their red- and green-light-emitting Ir(III) complexes. <i>Journal of Organic Chemistry</i> , 2009 , 74, 2718-25	4.2	69
254	Charge carrier photogeneration, trapping, and space-charge field formation in PVK-based photorefractive materials. <i>Physical Review B</i> , 2000 , 61, 13515-13527	3.3	67
253	Triplet-polaron quenching in conjugated polymers. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 12075-80	3.4	65
252	Indium-Free Perovskite Solar Cells Enabled by Impermeable Tin-Oxide Electron Extraction Layers. <i>Advanced Materials</i> , 2017 , 29, 1606656	24	61

251	Radical Cations in Electrospray Mass Spectrometry: Formation of Open-Shell Species, Examination of the Fragmentation Behaviour in ESI-MS ⁿ and Reaction Mechanism Studies by Detection of Transient Radical Cations. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 5162-5174	3.2	60
250	Ellipsometric measurements of poling birefringence, the Pockels effect, and the Kerr effect in high-performance photorefractive polymer composites 1996 , 35, 2346		60
249	Intensity-dependent photocurrent generation at the anode in bulk-heterojunction solar cells. <i>Applied Physics B: Lasers and Optics</i> , 2008 , 92, 209-218	1.9	59
248	Novel Photo-Cross-Linkable Hole-Transporting Polymers: Synthesis, Characterization, and Application in Organic Light Emitting Diodes. <i>Macromolecules</i> , 2006 , 39, 8911-8919	5.5	59
247	Reactions on Vinyl Isocyanate/Maleimide Copolymers: NLO-functionalized Polymers with High Glass Transitions for Nonlinear Optical Applications. <i>Macromolecules</i> , 1998 , 31, 1454-1465	5.5	59
246	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
245	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
244	Effect of Side Chain Length Variation on the Optical Properties of PPE-PPV Hybrid Polymers. <i>Chemistry of Materials</i> , 2008 , 20, 2727-2735	9.6	58
243	Effect of Polymer Nanoparticle Formation on the Efficiency of Polythiophene Based Bulk-Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 12583-12589	3.8	57
242	A photochromic diode with a continuum of intermediate states: towards high density multilevel storage. <i>Advanced Materials</i> , 2013 , 25, 4807-13	24	55
241	Influence of the Glass-Transition Temperature and the Chromophore Content on the Grating Buildup Dynamics of poly(N-vinylcarbazole)-based Photorefractive Polymers. <i>Applied Optics</i> , 1998 , 37, 2843-51	1.7	55
240	Birefringence, Pockels, and Kerr effects in photorefractive polymers. <i>Applied Physics Letters</i> , 1996 , 68, 1748-1750	3.4	55
239	Making Graphene Nanoribbons Photoluminescent. <i>Nano Letters</i> , 2017 , 17, 4029-4037	11.5	54
238	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
237	Near-infrared absorbing merocyanine dyes for bulk heterojunction solar cells. <i>Organic Letters</i> , 2010 , 12, 3666-9	6.2	54
236	Improved performance of photorefractive polymers based on merocyanine dyes in a polar matrix. <i>Applied Physics Letters</i> , 1998 , 73, 4-6	3.4	54
235	Lumineszenz eines Platin(II)-Komplexes in gelierenden Nanofasern und elektrolumineszierenden Filmen. <i>Angewandte Chemie</i> , 2011 , 123, 976-980	3.6	53
234	Solution-Like Behavior of Photoswitchable Spiroyrans Embedded in Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2017 , 56, 13100-13110	5.1	52

233	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
232	Outsmarting Waveguide Losses in Thin-Film Light-Emitting Diodes. <i>Advanced Functional Materials</i> , 2001 , 11, 251-253	15.6	50
231	NIR-Absorbing Merocyanine Dyes for BHJ Solar Cells. <i>Chemistry of Materials</i> , 2014 , 26, 4856-4866	9.6	48
230	Highly substituted azulene dyes as multifunctional NLO and electron-transfer compounds. <i>Chemistry - A European Journal</i> , 2003 , 9, 4232-9	4.8	48
229	Influence of Glass-Transition Temperature and Chromophore Content on the Steady-State Performance of Poly(N-vinylcarbazole)-Based Photorefractive Polymers. <i>Advanced Materials</i> , 1999 , 11, 123-127	24	48
228	Mass transfer and convolution. <i>Journal of Electroanalytical Chemistry</i> , 1994 , 368, 183-191	4.1	47
227	An efficient carbonyl-alkene metathesis of bicyclic oxetanes: photoinduced electron transfer reduction of the PaternEB β hi adducts from 2,3-dihydrofuran and aromatic aldehydes. <i>Photochemical and Photobiological Sciences</i> , 2006 , 5, 51-5	4.2	46
226	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
225	Highly color-stable solution-processed multilayer WOLEDs for lighting application. <i>Journal of Materials Chemistry</i> , 2010 , 20, 3301		45
224	Benzannelated [2.2]paracyclophanes: synthesis and electronic properties. <i>Journal of the American Chemical Society</i> , 1993 , 115, 3511-3518	16.4	45
223	Deep blue organic light-emitting diodes based on triphenylenes. <i>Synthetic Metals</i> , 2010 , 160, 691-700	3.6	44
222	A lasing organic light-emitting diode. <i>Advanced Materials</i> , 2010 , 22, 531-4	24	42
221	Optical gain by a simple photoisomerization process. <i>Nature Materials</i> , 2008 , 7, 490-7	27	42
220	Synthesis and Nonlinear Optical Properties of Carbonylrhenium Bromide Complexes with Conjugated Pyridines. <i>European Journal of Inorganic Chemistry</i> , 1999 , 1999, 483-490	2.3	41
219	Highly Reduced Porphyrins. <i>Angewandte Chemie International Edition in English</i> , 1989 , 28, 604-607		41
218	Sub-Micrometer Patterning of Amorphous- and β -Phase 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
217	Investigation of the Photocross-Linking Mechanism in Oxetane-Functionalized Semiconductors. <i>Chemistry of Materials</i> , 2011 , 23, 5001-5005	9.6	39
216	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

215	Three-dimensional holographic imaging of living tissue using a highly sensitive photorefractive polymer device. <i>Optics Express</i> , 2009 , 17, 11834-49	3.3	37
214	Measuring the profile of the emission zone in polymeric organic light-emitting diodes. <i>Applied Physics Letters</i> , 2009 , 94, 263301	3.4	37
213	Crosslinkable hole-transporting polymers by palladium-catalyzed C-N-coupling reaction. <i>Macromolecular Rapid Communications</i> , 2000 , 21, 583-589	4.8	36
212	Synthesis and Characterization of Novel Multifunctional High-Tg Photorefractive Materials Obtained via Reactive Precursor Polymers. <i>Macromolecules</i> , 2000 , 33, 1972-1977	5.5	36
211	Photophysical properties and OLED performance of light-emitting platinum(II) complexes. <i>Dalton Transactions</i> , 2013 , 42, 13612-21	4.3	35
210	Optical description of solid-state dye-sensitized solar cells. I. Measurement of layer optical properties. <i>Journal of Applied Physics</i> , 2009 , 106, 073111	2.5	35
209	Cationic Electron systems with high quadratic hyperpolarisability. <i>Perkin Transactions II RSC</i> , 2001 , 964-974		35
208	Perovskite-organic tandem solar cells with indium oxide interconnect.. <i>Nature</i> , 2022 , 604, 280-286	50.4	35
207	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
206	Herausragende Kurzschlussströme in BHJ-Solarzellen auf Basis NIR-absorbierender, akzeptorsubstituierter Squaraine. <i>Angewandte Chemie</i> , 2009 , 121, 8934-8937	3.6	34
205	Fluoride recognition by a chiral urea receptor linked to a phthalimide chromophore. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 3499-504	3.9	34
204	A straightforward modular approach to NLO-active beta-amino vinyl nitrothiophenes. <i>Organic Letters</i> , 2000 , 2, 2419-22	6.2	34
203	Voltammetric studies of solution and solid-state properties of monodisperse oligo(p-phenylenevinylene)s. <i>Advanced Materials</i> , 1994 , 6, 671-674	24	34
202	Voltammetry of fullerenes C60 and C70 in dimethylamine and methylene chloride. <i>Journal of Electroanalytical Chemistry</i> , 1993 , 347, 425-433	4.1	34
201	Hierarchical charge carrier motion in conjugated polymers. <i>Chemical Physics Letters</i> , 2010 , 498, 302-306	2.5	33
200	Molecular oxygen as a redox catalyst in intramolecular photocycloadditions of coumarins. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 6000-4	16.4	32
199	Parallel bulk-heterojunction solar cell by electrostatically driven phase separation. <i>Advanced Materials</i> , 2011 , 23, 5398-403	24	32
198	Ultrannarrow 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

197	Merocyaninfarbstoffe im Cyaninlimit: eine neue Chromophorklasse für photorefraktive Materialien. <i>Angewandte Chemie</i> , 1997 , 109, 2933-2936	3.6	31
196	Interference method for the determination of the complex refractive index of thin polymer layers. <i>Applied Physics Letters</i> , 2007 , 91, 061901	3.4	31
195	Amplified spontaneous emission in an organic semiconductor multilayer waveguide structure including a highly conductive transparent electrode. <i>Applied Physics Letters</i> , 2005 , 86, 221102	3.4	31
194	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
193	Towards organic light-emitting diode microdisplays with sub-pixel patterning. <i>Organic Electronics</i> , 2010 , 11, 57-61	3.5	30
192	Optical computing by use of photorefractive polymers. <i>Optics Letters</i> , 1995 , 20, 76	3	30
191	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
190	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
189	Monolithic integration of multi-color organic LEDs by grayscale lithography. <i>Advanced Materials</i> , 2010 , 22, 4634-8	24	28
188	Comparison of new photorefractive composites based on a poly(phenylene vinylene) derivative with traditional poly(n-vinylcarbazole) composites. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 1749-1756	3.6	28
187	Embedding Organic Light-Emitting Diodes into Channel Waveguide Structures. <i>Advanced Materials</i> , 2008 , 20, 1966-1971	24	27
186	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
185	Stability improvement of high-performance photorefractive polymers containing eutectic mixtures of electro-optic chromophores. <i>Advanced Materials</i> , 1997 , 9, 1043-1046	24	26
184	Organische Leuchtdioden: Bilderzeugung. <i>Chemie in Unserer Zeit</i> , 2005 , 39, 336-347	0.2	26
183	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
182	Crosslinkable hole- and electron-transport materials for application in organic light emitting devices (OLEDs). <i>Designed Monomers and Polymers</i> , 2002 , 5, 195-210	3.1	25
181	Influence of chain length and defects on the electrical conductivity of conducting polymers. <i>Synthetic Metals</i> , 1993 , 57, 5040-5045	3.6	25
180	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

179	StructureProperty 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
178	Time-independent, high electron mobility in thin PC61BM films: Relevance to organic photovoltaics. <i>Organic Electronics</i> , 2014 , 15, 3729-3734	3.5	24
177	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
176	Synthesis and Characterization of Oxetane-Functionalized Phosphorescent Ir(III)-Complexes. <i>Macromolecular Chemistry and Physics</i> , 2009 , 210, 531-541	2.6	24
175	Novel non-conjugated main-chain hole-transporting polymers for organic electronics application. <i>Macromolecular Rapid Communications</i> , 2010 , 31, 1560-7	4.8	24
174	Hoch reduzierte Porphyrine. <i>Angewandte Chemie</i> , 1989 , 101, 638-640	3.6	24
173	Comparative Studies on Optical, Redox, and Photovoltaic Properties of a Series of D ₂ A and Analogous D ₂ A Chromophores. <i>Advanced Functional Materials</i> , 2014 , 24, 4645-4653	15.6	22
172	Enhanced photocurrent generation by folding-driven H-aggregate formation. <i>Chemical Science</i> , 2013 , 4, 2071	9.4	22
171	Photocurrent dynamics in a poly(phenylene vinylene)-based photorefractive composite. <i>Physical Review B</i> , 2004 , 69,	3.3	22
170	Crosslinkable maleimide copolymers for stable NLO properties. <i>Journal of Polymer Science Part A</i> , 2001 , 39, 1589-1595	2.5	22
169	Holographic multiplexing in photorefractive polymers. <i>Optics Communications</i> , 2000 , 185, 13-17	2	22
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