

Ullrich Scherf

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743
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161
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791
ext. papers

39,564
ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
743	Semiconducting Polyfluorenes: Towards Reliable Structure-Property Relationships. <i>Advanced Materials</i> , 2002 , 14, 477-487	24	1495
742	Organic semiconductors for solution-processable field-effect transistors (OFETs). <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4070-98	16.4	1018
741	Solution-processed ambipolar organic field-effect transistors and inverters. <i>Nature Materials</i> , 2003 , 2, 678-82	27	810
740	The Effect of Keto Defect Sites on the Emission Properties of Polyfluorene-Type Materials. <i>Advanced Materials</i> , 2002 , 14, 374	24	643
739	Effect of Molecular Weight and Annealing of Poly(3-hexylthiophene)s on the Performance of Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2004 , 14, 757-764	15.6	612
738	Improved high-efficiency organic solar cells via incorporation of a conjugated polyelectrolyte interlayer. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8416-9	16.4	515
737	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
736	Room-temperature Bose-Einstein condensation of cavity exciton-polaritons in a polymer. <i>Nature Materials</i> , 2014 , 13, 247-52	27	429
735	Aggregate fluorescence in conjugated polymers. <i>Chemical Physics Letters</i> , 1995 , 240, 373-378	2.5	364
734	Novel approaches to polymer blends based on polymer nanoparticles. <i>Nature Materials</i> , 2003 , 2, 408-12	27	361
733	Influence of the Molecular Weight of Poly(3-hexylthiophene) on the Performance of Bulk Heterojunction Solar Cells. <i>Chemistry of Materials</i> , 2005 , 17, 2175-2180	9.6	359
732	Blue Polarized Electroluminescence from a Liquid Crystalline Polyfluorene. <i>Advanced Materials</i> , 1999 , 11, 671-675	24	356
731	Effect of Molecular Weight on the Structure and Crystallinity of Poly(3-hexylthiophene). <i>Macromolecules</i> , 2006 , 39, 2162-2171	5.5	353
730	Polyarylenes and poly(arylenevinylenes), 7. A soluble ladder polymer via bridging of functionalized poly(p-phenylene)-precursors. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1991 , 12, 489-497		351
729	Improving the Performance of Polyfluorene-Based Organic Light-Emitting Diodes via End-capping. <i>Advanced Materials</i> , 2001 , 13, 565-570	24	342
728	Exciton diffusion and dissociation in conjugated polymer/fullerene blends and heterostructures. <i>Physical Review B</i> , 1999 , 59, 15346-15351	3.3	328
727	Boosting Oxygen Reduction of Single Iron Active Sites via Geometric and Electronic Engineering: Nitrogen and Phosphorus Dual Coordination. <i>Journal of the American Chemical Society</i> , 2020 , 142, 2404-2412	16.4	317

726	Ladder-type materials. <i>Journal of Materials Chemistry</i> , 1999 , 9, 1853-1864		315
725	Semiconducting Polymer Nanospheres in Aqueous Dispersion Prepared by a Miniemulsion Process. <i>Advanced Materials</i> , 2002 , 14, 651-655	24	306
724	Influence of Aggregation on the Performance of All-Polymer Solar Cells Containing Low-Bandgap Naphthalenediimide Copolymers. <i>Advanced Energy Materials</i> , 2012 , 2, 369-380	21.8	292
723	Efficient white light-emitting diodes realized with new processable blends of conjugated polymers. <i>Applied Physics Letters</i> , 1997 , 71, 2883-2885	3.4	285
722	Direct Ink-Jet Printing of Ag ₂ S Nanoparticle and Ag-Precursor Based Electrodes for OFET Applications. <i>Advanced Functional Materials</i> , 2007 , 17, 3111-3118	15.6	266
721	Circularly Polarized Electroluminescence from Liquid-Crystalline Chiral Polyfluorenes. <i>Advanced Materials</i> , 2000 , 12, 362-365	24	252
720	The Origin of Green Emission in Polyfluorene-Based Conjugated Polymers: On-Chain Defect Fluorescence. <i>Advanced Functional Materials</i> , 2003 , 13, 597-601	15.6	243
719	All-conjugated block copolymers. <i>Accounts of Chemical Research</i> , 2008 , 41, 1086-97	24.3	238
718	A Flexible Conjugated Polymer Laser. <i>Advanced Materials</i> , 1998 , 10, 920-923	24	220
717	Conjugated polymer-assisted dispersion of single-wall carbon nanotubes: the power of polymer wrapping. <i>Accounts of Chemical Research</i> , 2014 , 47, 2446-56	24.3	208
716	Excimers or Emissive On-Chain Defects?. <i>Macromolecules</i> , 2003 , 36, 4236-4237	5.5	207
715	Hyperfine interaction and magnetoresistance in organic semiconductors. <i>Physical Review B</i> , 2006 , 74,	3.3	203
714	Fluorine cleavage of the light blue heteroleptic triplet emitter Flrpic. <i>Journal of Fluorine Chemistry</i> , 2009 , 130, 640-649	2.1	191
713	Performance Enhancement of the P3HT/PCBM Solar Cells through NIR Sensitization Using a Small-Bandgap Polymer. <i>Advanced Energy Materials</i> , 2012 , 2, 1198-1202	21.8	188
712	Charge Transfer Excitons in Bulk Heterojunctions of a Polyfluorene Copolymer and a Fullerene Derivative. <i>Advanced Functional Materials</i> , 2007 , 17, 2111-2116	15.6	188
711	Conjugated polymers: lasing and stimulated emission. <i>Current Opinion in Solid State and Materials Science</i> , 2001 , 5, 143-154	12	185
710	Synergetic Contribution of Boron and Fe ^{III} Species in Porous Carbons toward Efficient Electrocatalysts for Oxygen Reduction Reaction. <i>ACS Energy Letters</i> , 2018 , 3, 252-260	20.1	184
709	Green emission from poly(fluorene)s: The role of oxidation. <i>Journal of Chemical Physics</i> , 2002 , 117, 6794-6802	3.8	183

708	Highly efficient electroluminescence of new wide band gap ladder-type poly(para-phenylenes). <i>Applied Physics Letters</i> , 1996 , 68, 1090-1092	3.4	182
707	Control of aggregate formation in poly(3-hexylthiophene) by solvent, molecular weight, and synthetic method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 442-453	2.6	181
706	Control of color and efficiency of light-emitting diodes based on polyfluorenes blended with hole-transporting molecules. <i>Applied Physics Letters</i> , 2000 , 76, 1810-1812	3.4	176
705	A nearly diffraction limited surface emitting conjugated polymer laser utilizing a two-dimensional photonic band structure. <i>Applied Physics Letters</i> , 2000 , 77, 2310-2312	3.4	176
704	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
703	Phosphorescence in Conjugated Poly(para-phenylene)-Derivatives. <i>Advanced Materials</i> , 2001 , 13, 65-70	24	170
702	High intrachain hole mobility on molecular wires of ladder-type poly(p-phenylenes). <i>Physical Review Letters</i> , 2006 , 96, 146601	7.4	169
701	Charge carrier transport in conjugated polymers. <i>Journal of Chemical Physics</i> , 1999 , 110, 9214-9222	3.9	169
700	Spin-conserving carrier recombination in conjugated polymers. <i>Nature Materials</i> , 2005 , 4, 340-6	27	167
699	Hole Conduction along Molecular Wires: σ -Bonded Silicon Versus π -Bond-Conjugated Carbon. <i>Advanced Materials</i> , 2002 , 14, 228-231	24	164
698	Improved High-Efficiency Perovskite Planar Heterojunction Solar Cells via Incorporation of a Polyelectrolyte Interlayer. <i>Chemistry of Materials</i> , 2014 , 26, 5190-5193	9.6	163
697	Phosphorescence of pi-conjugated oligomers and polymers. <i>Physical Review Letters</i> , 2000 , 84, 1027-30	7.4	155
696	Organische Halbleiter ff aus Lbung prozessierbare Feldeffekttransistoren. <i>Angewandte Chemie</i> , 2008 , 120, 4138-4167	3.6	153
695	Quantum efficiencies of electroluminescent poly(para-phenylenes). <i>Synthetic Metals</i> , 1995 , 71, 2125-2128	3.6	153
694	Semiconducting single-walled carbon nanotubes on demand by polymer wrapping. <i>Advanced Materials</i> , 2013 , 25, 2948-56	24	152
693	On the Field Dependence of Free Charge Carrier Generation and Recombination in Blends of PCPDTBT/PC70BM: Influence of Solvent Additives. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 640-5	6.4	143
692	On-Chain Fluorenone Defect Emission from Single Polyfluorene Molecules in the Absence of Intermolecular Interactions. <i>Advanced Functional Materials</i> , 2006 , 16, 364-370	15.6	142
691	Ternary photovoltaic blends incorporating an all-conjugated donor-acceptor diblock copolymer. <i>Nano Letters</i> , 2011 , 11, 4846-51	11.5	140

690	A universal picture of chromophores in pi-conjugated polymers derived from single-molecule spectroscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 14695-700	11.5	140
689	Ordering, Graphoepitaxial Orientation, and Conformation of a Polyfluorene Derivative of the Blairy-Rod Type on an Oriented Substrate of Polyimide. <i>Macromolecules</i> , 2000 , 33, 4490-4495	5.5	140
688	Direct arylation polycondensation as simplified alternative for the synthesis of conjugated (co)polymers. <i>Progress in Polymer Science</i> , 2013 , 38, 1805-1814	29.6	139
687	Chiroptical Properties of Chiral Substituted Polyfluorenes. <i>Macromolecules</i> , 2002 , 35, 6792-6798	5.5	139
686	Femtosecond Z-scan and degenerate four-wave mixing measurements of real and imaginary parts of the third-order nonlinearity of soluble conjugated polymers. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1998 , 15, 817	1.7	139
685	Nanofibrous and Graphene-Templated Conjugated Microporous Polymer Materials for Flexible Chemosensors and Supercapacitors. <i>Chemistry of Materials</i> , 2015 , 27, 7403-7411	9.6	138
684	A Nanoparticle Approach To Control the Phase Separation in Polyfluorene Photovoltaic Devices. <i>Macromolecules</i> , 2004 , 37, 4882-4890	5.5	137
683	On the conjugation length in poly(para-phenylene)-type polymers. <i>Advanced Materials</i> , 1995 , 7, 292-295	24	136
682	Up-Conversion Photoluminescence in Polyfluorene Doped with Metal(II) Octaethyl Porphyrins. <i>Advanced Materials</i> , 2003 , 15, 2095-2098	24	134
681	Amphiphilic conjugated block copolymers: synthesis and solvent-selective photoluminescence quenching. <i>Small</i> , 2007 , 3, 1001-6	11	130
680	Structural correlations in the generation of polaron pairs in low-bandgap polymers for photovoltaics. <i>Nature Communications</i> , 2012 , 3, 970	17.4	128
679	The Phase of Poly(9,9-dioctylfluorene) as a Potential System for Electrically Pumped Organic Lasing. <i>Advanced Materials</i> , 2006 , 18, 2137-2140	24	124
678	Synthesis of Poly(4,4-dialkyl-cyclopenta[2,1-:3,4-']dithiophene--2,1,3-benzothiadiazole) (PCPDTBT) in a Direct Arylation Scheme.. <i>ACS Macro Letters</i> , 2012 , 1, 465-468	6.6	122
677	Efficient red- and orange-light-emitting diodes realized by excitation energy transfer from blue-light-emitting conjugated polymers. <i>Physical Review B</i> , 1997 , 56, 4479-4483	3.3	121
676	Femtosecond relaxation of photoexcitations in a poly(para-phenylene)-type ladder polymer. <i>Physical Review Letters</i> , 1996 , 76, 847-850	7.4	121
675	Excitation energy migration in highly emissive semiconducting polymers. <i>Chemical Physics Letters</i> , 2000 , 325, 132-138	2.5	118
674	Straightforward Generation of Pillared, Microporous Graphene Frameworks for Use in Supercapacitors. <i>Advanced Materials</i> , 2015 , 27, 6714-21	24	117
673	Tunable organic thin-film laser pumped by an inorganic violet diode laser. <i>Applied Physics Letters</i> , 2006 , 88, 241116	3.4	117

- 672 Design and Synthesis of Extended π -Systems: Monomers, Oligomers, Polymers. *Synthesis*, **1992**, 1992, 23-38 2.9 117
- 671 Triplet-triplet annihilation in a poly(fluorene)-derivative. *Journal of Chemical Physics*, **2001**, 115, 10007-10013 10.13 116
- 670 Fluorescence Enhancement of the Water-Soluble Poly{1,4-phenylene-[9,9-bis-(4-phenoxybutylsulfonate)]fluorene-2,7-diyl} Copolymer in n-Dodecylpentaerythritol Ether Micelles. *Macromolecules*, **2004**, 37, 7425-7427 5.5 111
- 669 Ultrafast dynamics of charge carrier photogeneration and geminate recombination in conjugated polymer:fullerene solar cells. *Physical Review B*, **2005**, 72, 3.3 111
- 668 Two-Dimensional Core-Shelled Porous Hybrids as Highly Efficient Catalysts for the Oxygen Reduction Reaction. *Angewandte Chemie - International Edition*, **2016**, 55, 6858-63 16.4 111
- 667 Solution processable organic field-effect transistors utilizing an α,α' -dihexylpentathiophene-based swivel cruciform. *Journal of the American Chemical Society*, **2006**, 128, 3914-5 16.4 109
- 666 Efficiency Enhanced Hybrid Solar Cells Using a Blend of Quantum Dots and Nanorods. *Advanced Functional Materials*, **2012**, 22, 397-404 15.6 107
- 665 Thickness Dependence of the Crystalline Structure and Hole Mobility in Thin Films of Low Molecular Weight Poly(3-hexylthiophene). *Macromolecules*, **2008**, 41, 6800-6808 5.5 107
- 664 Efficiency enhancement for bulk-heterojunction hybrid solar cells based on acid treated CdSe quantum dots and low bandgap polymer PCPDTBT. *Solar Energy Materials and Solar Cells*, **2011**, 95, 1232-1237 6.4 106
- 663 Blue green stimulated emission from a high gain conjugated polymer. *Applied Physics Letters*, **1997**, 71, 2566-2568 3.4 106
- 662 Organic Light-Emitting Devices Fabricated from Semiconducting Nanospheres. *Advanced Materials*, **2003**, 15, 800-804 24 106
- 661 The Influence of Alkyl-Chain Length on Beta-Phase Formation in Polyfluorenes. *Advanced Functional Materials*, **2009**, 19, 67-73 15.6 104
- 660 Linewidth-limited energy transfer in single conjugated polymer molecules. *Physical Review Letters*, **2003**, 91, 267403 7.4 104
- 659 Interaction of singlet excitons with polarons in wide band-gap organic semiconductors: A quantitative study. *Physical Review B*, **2001**, 64, 3.3 102
- 658 Polyarylenes and poly(arylenevinylene)s, 9 The oxidized states of a (1,4-phenylene) ladder polymer. *Die Makromolekulare Chemie*, **1992**, 193, 1127-1133 101
- 657 Temperature-dependent photoluminescence of organic semiconductors with varying backbone conformation. *Physical Review B*, **2003**, 67, 3.3 100
- 656 Polymer-sorted semiconducting carbon nanotube networks for high-performance ambipolar field-effect transistors. *ACS Applied Materials & Interfaces*, **2015**, 7, 682-9 9.5 96
- 655 IR sensitization of an indene-C60 bisadduct (ICBA) in ternary organic solar cells. *Energy and Environmental Science*, **2013**, 6, 1796 35.4 96

654	Counting chromophores in conjugated polymers. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1520-5	16.4	96
653	Fluorescent nanoparticles based on a microporous organic polymer network: fabrication and efficient energy transfer to surface-bound dyes. <i>Chemical Communications</i> , 2011 , 47, 9612-4	5.8	93
652	Structure and Dynamics of Nondilute Polyfluorene Solutions. <i>Macromolecules</i> , 2002 , 35, 481-488	5.5	93
651	Blue light-emitting diodes based on ladder polymers of the PPP type. <i>Acta Polymerica</i> , 1994 , 45, 244-247		93
650	A room-temperature organic polariton transistor. <i>Nature Photonics</i> , 2019 , 13, 378-383	33.9	92
649	Swivel-cruciform oligothiophene dimers. <i>Journal of Materials Chemistry</i> , 2006 , 16, 3177		92
648	Semiconducting Polymers via Microwave-Assisted Suzuki and Stille Cross-Coupling Reactions. <i>Advanced Functional Materials</i> , 2004 , 14, 352-356	15.6	91
647	Photoaddressable Alignment Layers for Fluorescent Polymers in Polarized Electroluminescence Devices. <i>Advanced Functional Materials</i> , 2002 , 12, 49	15.6	91
646	Intrinsic room-temperature electrophosphorescence from a pi-conjugated polymer. <i>Physical Review Letters</i> , 2002 , 89, 167401	7.4	91
645	Highly Efficient Solid-State Near-infrared Organic Light-Emitting Diodes incorporating A-D-A Dyes based on unsubstituted "BODIPY" Moieties. <i>Scientific Reports</i> , 2017 , 7, 1611	4.9	90
644	Bimodal Temperature Behavior of Structure and Mobility in High Molecular Weight P3HT Thin Films. <i>Macromolecules</i> , 2009 , 42, 4651-4660	5.5	89
643	Conjugated Triblock Copolymers Containing Both Electron-Donor and Electron-Acceptor Blocks. <i>Macromolecules</i> , 2006 , 39, 4327-4331	5.5	89
642	Dynamics of optical excitations in a ladder-type pi-conjugated polymer containing aggregate states. <i>Physical Review B</i> , 1996 , 54, 1759-1765	3.3	89
641	Porous organic polymers as emerging new materials for organic photovoltaic applications: current status and future challenges. <i>Materials Horizons</i> , 2017 , 4, 546-556	14.4	88
640	How single conjugated polymer molecules respond to electric fields. <i>Nature Materials</i> , 2006 , 5, 141-6	27	88
639	A high efficiency blue-light-emitting diode based on novel ladder poly(p-phenylene)s. <i>Advanced Materials</i> , 1994 , 6, 748-752	24	87
638	Poly(indenofluorene) (PIF), a Novel Low Band Gap Polyhydrocarbon. <i>Macromolecules</i> , 1996 , 29, 8204-8210	10.5	86
637	How intermolecular geometrical disorder affects the molecular doping of donor-acceptor copolymers. <i>Nature Communications</i> , 2015 , 6, 6460	17.4	85

636	Aggregation induced emission and amplified explosive detection of tetraphenylethylene-substituted polycarbazoles. <i>Polymer Chemistry</i> , 2014 , 5, 4048	4.9	85
635	Electrogenerated thin films of microporous polymer networks with remarkably increased electrochemical response to nitroaromatic analytes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 11127-33	9.5	85
634	Fluorescent microporous organic polymers: potential testbed for optical applications. <i>Chemistry - A European Journal</i> , 2012 , 18, 10074-80	4.8	84
633	All-conjugated, rod-rod block copolymers-generation and self-assembly properties. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 1059-65	4.8	84
632	Conjugated polymers for photocatalysis. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 7994-8	3.4	84
631	Synthesis and optical properties of some novel arylene-alkynylene polymers. <i>Macromolecular Rapid Communications</i> , 1995 , 16, 571-580	4.8	84
630	Influence of Solvent Quality on the Self-Organization of Archetypical Hairy Rods Branched and Linear Side Chain Polyfluorenes: Rodlike Chains versus Beta-Sheets In Solution. <i>Macromolecules</i> , 2006 , 39, 6505-6512	5.5	83
629	Aggregation and chiroptical behavior of a high molecular weight chirally substituted dialkylpoly(p-phenyleneethynylene). <i>Macromolecular Rapid Communications</i> , 1999 , 20, 107-111	4.8	83
628	Poly(phenylenvinylen); Entwicklung eines elektroaktiven Polymermaterials vom unschmelzbaren Pulver zum transparenten Film. <i>Zeitschrift für Chemie</i> , 2010 , 27, 126-137		82
627	A Low Threshold Polymer Laser Based on Metallic Nanoparticle Gratings. <i>Advanced Materials</i> , 2003 , 15, 1726-1729	24	82
626	Carbon nanotube network ambipolar field-effect transistors with 10(8) on/off ratio. <i>Advanced Materials</i> , 2014 , 26, 5969-75	24	81
625	Alternating Binaphthylthiophene Copolymers: Synthesis, Spectroscopy, and Photophysics and Their Relevance to the Question of Energy Migration versus Conformational Relaxation. <i>Macromolecules</i> , 2009 , 42, 1710-1719	5.5	81
624	Shallow and deep traps in conjugated polymers of high intrachain order. <i>Physical Review B</i> , 1996 , 54, 7610-7613	3.3	81
623	Influence of Side Chain Length on the Self-Assembly of Hairy-Rod Poly(9,9-dialkylfluorene)s in the Poor Solvent Methylcyclohexane. <i>Macromolecules</i> , 2007 , 40, 9398-9405	5.5	79
622	Quantifying Charge Extraction in Organic Solar Cells: The Case of Fluorinated PCPDTBT. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1131-8	6.4	78
621	Electric-field-induced luminescence quenching in an electroluminescent organic semiconductor. <i>Physical Review B</i> , 1997 , 55, 5079-5083	3.3	78
620	Performance enhancement of CdSe nanorod-polymer based hybrid solar cells utilizing a novel combination of post-synthetic nanoparticle surface treatments. <i>Solar Energy Materials and Solar Cells</i> , 2012 , 98, 433-440	6.4	77
619	Light management in PCPDTBT:PC70BM solar cells: A comparison of standard and inverted device structures. <i>Organic Electronics</i> , 2012 , 13, 615-622	3.5	76

618	Low-threshold polymeric distributed feedback lasers with metallic contacts. <i>Applied Physics Letters</i> , 2004 , 84, 3262-3264	3.4	76
617	Efficient blue organic light-emitting diodes with graded hole-transport layers. <i>ChemPhysChem</i> , 2000 , 1, 207-11	3.2	76
616	Engineering the Morphology of Carbon Materials: 2D Porous Carbon Nanosheets for High-Performance Supercapacitors. <i>ChemElectroChem</i> , 2016 , 3, 822-828	4.3	75
615	New Conjugated Ladder Polymer Containing Carbazole Moieties. <i>Advanced Functional Materials</i> , 2003 , 13, 609-614	15.6	75
614	Photoconduction in thin films of a ladder-type poly-para-phenylene. <i>Chemical Physics Letters</i> , 1998 , 288, 147-154	2.5	74
613	Photocurrent measurements on aggregates in ladder-type poly(p-phenylene). <i>Chemical Physics Letters</i> , 1995 , 243, 456-461	2.5	73
612	Energy transfer in hybrid organic/inorganic nanocomposites. <i>Nano Letters</i> , 2009 , 9, 453-6	11.5	72
611	Low threshold blue conjugated polymer lasers with first- and second-order distributed feedback. <i>Applied Physics Letters</i> , 2006 , 89, 201108	3.4	72
610	Picosecond conformational relaxation of singlet excited polyfluorene in solution. <i>Journal of Chemical Physics</i> , 2003 , 118, 7119-7126	3.9	72
609	Does conjugation help exciton dissociation? a study on poly(p-phenylene)s in planar heterojunctions with C60 or TNF. <i>Advanced Materials</i> , 2012 , 24, 922-5	24	71
608	Charge Carrier Mobility in a Ladder-Type Conjugated Polymer. <i>Advanced Materials</i> , 1998 , 10, 1119-1122	24	71
607	Polyfluorenes with on-chain dibenzoborole units Synthesis and anion-induced photoluminescence quenching. <i>Journal of Polymer Science Part A</i> , 2008 , 46, 2878-2883	2.5	71
606	Precursor states for charge carrier generation in conjugated polymers probed by ultrafast spectroscopy. <i>Physical Review Letters</i> , 2002 , 88, 147401	7.4	71
605	Oligo- and Polyarylenes, Oligo- and Polyarylenevinylenes. <i>Topics in Current Chemistry</i> , 1999 , 163-222		71
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603	Electroluminescence and photoluminescence investigations of the yellow emission of devices based on ladder-type oligo(para-phenylene)s. <i>Synthetic Metals</i> , 1994 , 67, 181-185	3.6	70
602	A Surface-Emitting Circular Grating Polymer Laser. <i>Advanced Materials</i> , 2001 , 13, 1161-1164	24	69
601	Reduced charge transfer exciton recombination in organic semiconductor heterojunctions by molecular doping. <i>Physical Review Letters</i> , 2011 , 107, 127402	7.4	68

600	Femtosecond dynamics of stimulated emission and photoinduced absorption in a PPP-type ladder polymer. <i>Chemical Physics Letters</i> , 1995 , 244, 171-176	2.5	68
599	Poly(arylenes) and poly(arylenevinylenes). 11. A modified two-step route to soluble phenylene-type ladder polymers. <i>Macromolecules</i> , 1992 , 25, 3546-3548	5.5	68
598	Cationic polythiophene-surfactant self-assembly complexes: phase transitions, optical response, and sensing. <i>Langmuir</i> , 2012 , 28, 12348-56	4	67
597	Microwave-Assisted Synthesis of 1,5- and 2,6-Linked Naphthylene-Based Ladder Polymers. <i>Macromolecules</i> , 2005 , 38, 687-694	5.5	66
596	Emission properties of pristine and oxidatively degraded polyfluorene type polymers. <i>Physica Status Solidi A</i> , 2004 , 201, 1132-1151		66
595	Population and decay of keto states in conjugated polymers. <i>Journal of Chemical Physics</i> , 2003 , 119, 12017-12022		66
594	Self-Assembled Nanocomposite Polymer Light-Emitting Diodes with Improved Efficiency and Luminance. <i>Advanced Materials</i> , 1999 , 11, 1257-1261	24	66
593	All-conjugated polyelectrolyte block copolymers. <i>Journal of Materials Chemistry</i> , 2010 , 20, 1423-1430		65
592	Interplay of electrostatic and hydrophobic effects with binding of cationic gemini surfactants and a conjugated polyanion: experimental and molecular modeling studies. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 4401-10	3.4	65
591	Time-resolved charge carrier generation from higher lying excited states in conjugated polymers. <i>Physical Review Letters</i> , 2002 , 89, 117402	7.4	65
590	Electroluminescence with Conjugated Polymers and Oligomers. <i>Molecular Crystals and Liquid Crystals</i> , 1994 , 256, 549-554		65
589	A simple two-step synthesis of a novel, fully aromatic ladder-type polymer. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1993 , 14, 217-222		65
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586	Structural and Spectroscopic Investigations of Bulk Poly[bis(2-ethyl)hexylfluorene]. <i>Macromolecules</i> , 2004 , 37, 9438-9448	5.5	64
585	Induced Liquid Crystallinity in Switchable Side-Chain Discotic Molecules. <i>Chemistry of Materials</i> , 2004 , 16, 3867-3871	9.6	63
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