Mats R Andersson

List of Publications by Citations

351 papers	21,682 citations	75 h-index	134 g-index
366 ext. papers	22,810 ext. citations	7.9 avg, IF	6.57 L-index

#	Paper	IF	Citations
351	Laminated fabrication of polymeric photovoltaic diodes. *Nature*, **1998**, 395, 257-260	50.4	1145
350	Semiconducting Polymers: A New Class of Solid-State Laser Materials. *Science*, **1996**, 273, 1833-1836	33.3	744
349	Light-emitting diodes with variable colours from polymer blends. *Nature*, **1994**, 372, 444-446	50.4	682
348	High-Performance Polymer Solar Cells of an Alternating Polyfluorene Copolymer and a Fullerene Derivative. *Advanced Materials*, **2003**, 15, 988-991	24	677
347	Influence of Solvent Mixing on the Morphology and Performance of Solar Cells Based on Polyfluorene Copolymer/Fullerene Blends. *Advanced Functional Materials*, **2006**, 16, 667-674	15.6	421
346	An easily synthesized blue polymer for high-performance polymer solar cells. *Advanced Materials*, **2010**, 22, 5240-4	24	410
345	Polymer Photovoltaic Cells with Conducting Polymer Anodes. *Advanced Materials*, **2002**, 14, 662-665	24	406
344	Correlation between oxidation potential and open-circuit voltage of composite solar cells based on blends of polythiophenes/ fullerene derivative. *Applied Physics Letters*, **2004**, 84, 1609-1611	3.4	389
343	High Performance All-Polymer Solar Cells by Synergistic Effects of Fine-Tuned Crystallinity and Solvent Annealing. *Journal of the American Chemical Society*, **2016**, 138, 10935-44	16.4	362
342	An easily accessible isoindigo-based polymer for high-performance polymer solar cells. *Journal of the American Chemical Society*, **2011**, 133, 14244-7	16.4	349
341	Low-Bandgap Alternating Fluorene Copolymer/Methanofullerene Heterojunctions in Efficient Near-Infrared Polymer Solar Cells. *Advanced Materials*, **2006**, 18, 2169-2173	24	311
340	25th anniversary article: isoindigo-based polymers and small molecules for bulk heterojunction solar cells and field effect transistors. *Advanced Materials*, **2014**, 26, 1801-26	24	306
339	Electrochemical bandgaps of substituted polythiophenes. *Journal of Materials Chemistry*, **2003**, 13, 1316-1323		271
338	A New Donor–Acceptor–Donor Polyfluorene Copolymer with Balanced Electron and Hole Mobility. *Advanced Functional Materials*, **2007**, 17, 3836-3842	15.6	270
337	Electroluminescence from Substituted Poly(thiophenes): From Blue to Near-Infrared. *Macromolecules*, **1995**, 28, 7525-7529	5.5	262
336	The electronic states of polyfluorene copolymers with alternating donor-acceptor units. *Journal of Chemical Physics*, **2004**, 121, 12613-7	3.9	238
335	Alternating polyfluorenes collect solar light in polymer photovoltaics. *Accounts of Chemical Research*, **2009**, 42, 1731-9	24.3	227

334	Substituted polythiophenes designed for optoelectronic devices and conductors. *Journal of Materials Chemistry*, **1999**, 9, 1933-1940		225
333	Polarized electroluminescence from an oriented substituted polythiophene in a light emitting diode. *Advanced Materials*, **1995**, 7, 43-45	24	217
332	Polymer Solar Cells Based on a Low-Bandgap Fluorene Copolymer and a Fullerene Derivative with Photocurrent Extended to 850 nm. *Advanced Functional Materials*, **2005**, 15, 745-750	15.6	214
331	Photoluminescence quenching at a polythiophene/C60 heterojunction. *Physical Review B*, **2000**, 61, 12957-12963	3.3	204
330	Infrared photocurrent spectral response from plastic solar cell with low-band-gap polyfluorene and fullerene derivative. *Applied Physics Letters*, **2004**, 85, 5081-5083	3.4	193
329	Regioselective polymerization of 3-(4-octylphenyl)thiophene with FeCl3. *Macromolecules*, **1994**, 27, 6503-6506	5.6	185
328	9.0% power conversion efficiency from ternary all-polymer solar cells. *Energy and Environmental Science*, **2017**, 10, 2212-2221	35.4	179
327	High Quantum Efficiency Polythiophene. *Advanced Materials*, **1998**, 10, 774-777	24	177
326	Low bandgap alternating polyfluorene copolymers in plastic photodiodes and solar cells. *Applied Physics A: Materials Science and Processing*, **2004**, 79, 31-35	2.6	167
325	Quantification of Quantum Efficiency and Energy Losses in Low Bandgap Polymer:Fullerene Solar Cells with High Open-Circuit Voltage. *Advanced Functional Materials*, **2012**, 22, 3480-3490	15.6	164
324	Enhanced Photocurrent Spectral Response in Low-Bandgap Polyfluorene and C70-Derivative-Based Solar Cells. *Advanced Functional Materials*, **2005**, 15, 1665-1670	15.6	162
323	Photodiode performance and nanostructure of polythiophene/C60 blends. *Advanced Materials*, **1997**, 9, 1164-1168	24	161
322	Synthesis and characterization of benzodithiophene-isoindigo polymers for solar cells. *Journal of Materials Chemistry*, **2012**, 22, 2306-2314		146
321	Photoinduced charge transfer and efficient solar energy conversion in a blend of a red polyfluorene copolymer with CdSe nanoparticles. *Nano Letters*, **2006**, 6, 1789-93	11.5	145
320	A Conjugated Polymer for Near Infrared Optoelectronic Applications. *Advanced Materials*, **2007**, 19, 3308-3311	24	141
319	Trapping Light in Polymer Photodiodes with Soft Embossed Gratings. *Advanced Materials*, **2000**, 12, 189-195	24	141
318	Electrochemical and optical studies of the band gaps of alternating polyfluorene copolymers. *Synthetic Metals*, **2006**, 156, 614-623	3.6	139
317	Plastic lasers: Semiconducting polymers as a new class of solid-state laser materials. *Synthetic Metals*, **1997**, 84, 455-462	3.6	138

316	Soluble Polythiophenes with Pendant Fullerene Groups as Double Cable Materials for Photodiodes. *Advanced Materials*, **2001**, 13, 1871	24	133
315	Recent Advances in n-Type Polymers for All-Polymer Solar Cells. *Advanced Materials*, **2019**, 31, e1807275	24	132
314	High photovoltage achieved in low band gap polymer solar cells by adjusting energy levels of a polymer with the LUMOs of fullerene derivatives. *Journal of Materials Chemistry*, **2008**, 18, 5468		131
313	Photophysics of Substituted Polythiophenes. *Journal of Physical Chemistry B*, **1999**, 103, 7771-7780	3.4	131
312	An isoindigo-based low band gap polymer for efficient polymer solar cells with high photo-voltage. *Chemical Communications*, **2011**, 47, 4908-10	5.8	128
311	Vertical phase separation in spin-coated films of a low bandgap polyfluorene/PCBM blend□ffects of specific substrate interaction. *Applied Surface Science*, **2007**, 253, 3906-3912	6.7	122
310	Geminate charge recombination in polymer/fullerene bulk heterojunction films and implications for solar cell function. *Journal of the American Chemical Society*, **2010**, 132, 12440-51	16.4	120
309	An alternating low band-gap polyfluorene for optoelectronic devices. *Polymer*, **2006**, 47, 4261-4268	3.9	119
308	White light from an electroluminescent diode made from poly[3(4-octylphenyl)-2,2□bithiophene] and an oxadiazole derivative. *Journal of Applied Physics*, **1994**, 76, 7530-7534	2.5	119
307	Side-Chain Architectures of 2,7-Carbazole and Quinoxaline-Based Polymers for Efficient Polymer Solar Cells. *Macromolecules*, **2011**, 44, 2067-2073	5.5	118
306	Synthesis, Characterization, and Devices of a Series of Alternating Copolymers for Solar Cells. *Chemistry of Materials*, **2009**, 21, 3491-3502	9.6	115
305	Influence of Molecular Weight on the Performance of Organic Solar Cells Based on a Fluorene Derivative. *Advanced Functional Materials*, **2010**, 20, 2124-2131	15.6	114
304	Very low band gap thiadiazoloquinoxaline donor-acceptor polymers as multi-tool conjugated polymers. *Journal of the American Chemical Society*, **2014**, 136, 1190-3	16.4	113
303	Photoluminescence and electroluminescence of films from soluble PPV-polymers. *Synthetic Metals*, **1997**, 85, 1275-1276	3.6	104
302	Influences of Surface Roughness of ZnO Electron Transport Layer on the Photovoltaic Performance of Organic Inverted Solar Cells. *Journal of Physical Chemistry C*, **2012**, 116, 24462-24468	3.8	103
301	Interference phenomenon determines the color in an organic light emitting diode. *Journal of Applied Physics*, **1997**, 81, 8097-8104	2.5	103
300	Influence of buffer layers on the performance of polymer solar cells. *Applied Physics Letters*, **2004**, 84, 3906-3908	3.4	102
299	□lastic□lasers: Comparison of gain narrowing with a soluble semiconducting polymer in waveguides and microcavities. *Applied Physics Letters*, **1997**, 70, 3191-3193	3.4	101

298	Structure–property relationships of oligothiophene–isoindigo polymers for efficient bulk-heterojunction solar cells. *Energy and Environmental Science*, **2014**, 7, 361-369	35.4	100
297	Polymer Light-Emitting Electrochemical Cells with Frozen p-i-n Junction at Room Temperature. *Advanced Materials*, **1998**, 10, 385-388	24	99
296	A polythiophene microcavity laser. *Chemical Physics Letters*, **1998**, 288, 879-884	2.5	98
295	Thiophene polymers in light emitting diodes: Making multicolour devices. *Synthetic Metals*, **1995**, 71, 2121-2124	3.6	97
294	Polymer photovoltaics with alternating copolymer/fullerene blends and novel device architectures. *Advanced Materials*, **2010**, 22, E100-16	24	96
293	Semi-Transparent Tandem Organic Solar Cells with 90% Internal Quantum Efficiency. *Advanced Energy Materials*, **2012**, 2, 1467-1476	21.8	93
292	A novel polythiophene with pendant fullerenes: toward donor/acceptor double-cable polymers. *Chemical Communications*, **2000**, 2487-2488	5.8	90
291	Interlayer for modified cathode in highly efficient inverted ITO-free organic solar cells. *Advanced Materials*, **2012**, 24, 554-8	24	88
290	Polymer Photovoltaic Devices from Stratified Multilayers of Donor–Acceptor Blends. *Advanced Materials*, **2000**, 12, 1367-1370	24	88
289	Design, Synthesis and Properties of Low Band Gap Polyfluorenes for Photovoltaic Devices. *Synthetic Metals*, **2005**, 154, 53-56	3.6	87
288	Photophysics of thiophene based polymers in solution: The role of nonradiative decay processes. *Journal of Chemical Physics*, **2003**, 118, 1550-1556	3.9	87
287	High-performance all-polymer solar cells based on fluorinated naphthalene diimide acceptor polymers with fine-tuned crystallinity and enhanced dielectric constants. *Nano Energy*, **2018**, 45, 368-379	17.1	86
286	Recent Development of Quinoxaline Based Polymers/Small Molecules for Organic Photovoltaics. *Advanced Energy Materials*, **2017**, 7, 1700575	21.8	85
285	Conformational Disorder Enhances Solubility and Photovoltaic Performance of a Thiophene–Quinoxaline Copolymer. *Advanced Energy Materials*, **2013**, 3, 806-814	21.8	85
284	New low band gap alternating polyfluorene copolymer-based photovoltaic cells. *Solar Energy Materials and Solar Cells*, **2007**, 91, 1010-1018	6.4	82
283	Multilayer formation in spin-coated thin films of low-bandgap polyfluorene:PCBM blends. *Journal of Physics Condensed Matter*, **2005**, 17, L529-L534	1.8	81
282	Low Band Gap Polymer Solar Cells With Minimal Voltage Losses. *Advanced Energy Materials*, **2016**, 6, 1600148	21.8	80
281	High-Performance and Stable All-Polymer Solar Cells Using Donor and Acceptor Polymers with Complementary Absorption. *Advanced Energy Materials*, **2017**, 7, 1602722	21.8	77

280	8.0% Efficient All-Polymer Solar Cells with High Photovoltage of 1.1 V and Internal Quantum Efficiency near Unity. *Advanced Energy Materials*, **2018**, 8, 1700908	21.8	76
279	Small band gap polymers synthesized via a modified nitration of 4,7-dibromo-2,1,3-benzothiadiazole. *Organic Letters*, **2010**, 12, 4470-3	6.2	76
278	1 micron wavelength photo- and electroluminescence from a conjugated polymer. *Applied Physics Letters*, **2004**, 84, 3570-3572	3.4	76
277	A new application area for fullerenes: voltage stabilizers for power cable insulation. *Advanced Materials*, **2015**, 27, 897-902	24	75
276	Synthesis and Properties of a Soluble Conjugated Poly(azomethine) with High Molecular Weight. *Macromolecules*, **1998**, 31, 2676-2678	5.5	75
275	Controlling colour by voltage in polymer light emitting diodes. *Synthetic Metals*, **1995**, 71, 2185-2186	3.6	75
274	Photovoltaic cells with a conjugated polyelectrolyte. *Synthetic Metals*, **2000**, 110, 133-140	3.6	74
273	Synthesis and Characterization of Highly Soluble Phenyl-Substituted Poly(p-phenylenevinylenes). *Macromolecules*, **2000**, 33, 2525-2529	5.5	73
272	New quinoxaline and pyridopyrazine-based polymers for solution-processable photovoltaics. *Solar Energy Materials and Solar Cells*, **2012**, 105, 280-286	6.4	72
271	Electrochemical and Photophysical Properties of a Novel Polythiophene with Pendant Fulleropyrrolidine Moieties: Toward "Double Cable" Polymers for Optoelectronic Devices. *Journal of Physical Chemistry B*, **2002**, 106, 70-76	3.4	72
270	Ultrafast photogeneration of inter-chain charge pairs in polythiophene films. *Chemical Physics Letters*, **2000**, 322, 136-142	2.5	72
269	A polymer photodiode using vapour-phase polymerized PEDOT as an anode. *Solar Energy Materials and Solar Cells*, **2006**, 90, 133-141	6.4	71
268	Reactivity of Fen, Con, and Cun Clusters with O2 and D2 Studied at Single-Collision Conditions. *The Journal of Physical Chemistry*, **1996**, 100, 12222-12234		70
267	Observation of a Charge Transfer State in Low-Bandgap Polymer/Fullerene Blend Systems by Photoluminescence and Electroluminescence Studies. *Advanced Functional Materials*, **2009**, 19, 3293-3299	15.6	69
266	Light-Emitting Electrochemical Cells with Crown Ether as Solid Electrolyte. *Journal of the Electrochemical Society*, **1997**, 144, L317-L320	3.9	69
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264	Transparent polymer cathode for organic photovoltaic devices. *Synthetic Metals*, **2006**, 156, 1102-1107	3.6	68
263	Green Electroluminescence in Poly-(3-cyclohexylthiophene) light-emitting diodes. *Advanced Materials*, **1994**, 6, 488-490	24	68

262	Ultraviolet electroluminescence from an organic light emitting diode. *Advanced Materials*, **1995**, 7, 900-903	21	68
261	A new tetracyclic lactam building block for thick, broad-bandgap photovoltaics. *Journal of the American Chemical Society*, **2014**, 136, 11578-81	16.4	67
260	Thermal control of near-infrared and visible electroluminescence in alkyl-phenyl substituted polythiophenes. *Applied Physics Letters*, **1994**, 65, 1489-1491	3.4	65
259	White light with phosphorescent protein fibrils in OLEDs. *Nano Letters*, **2010**, 10, 2225-30	11.5	64
258	Tuning the bandgap for polymeric smart windows and displays. *Electrochimica Acta*, **1995**, 40, 2233-2235	6.7	64
257	Conjugated polymers based on benzodithiophene and fluorinated quinoxaline for bulk heterojunction solar cells: thiophene versus thieno[3,2-b]thiophene as π-conjugated spacers. *Polymer Chemistry*, **2014**, 5, 2083	4.9	63
256	An alternating D-A1-D-A2 copolymer containing two electron-deficient moieties for efficient polymer solar cells. *Journal of Materials Chemistry A*, **2013**, 1, 11141	13	63
255	Enhanced Ultraviolet Stability of Air-Processed Polymer Solar Cells by Al Doping of the ZnO Interlayer. *ACS Applied Materials & Interfaces*, **2016**, 8, 1635-43	9.5	62
254	Fullerene Nucleating Agents: A Route Towards Thermally Stable Photovoltaic Blends. *Advanced Energy Materials*, **2014**, 4, 1301437	21.8	60
253	Energy transfer in a conjugated polymer with reduced inter-chain coupling. *Journal of Luminescence* , **1998**, 76-77, 474-477	3.8	60
252	A Facile Method to Enhance Photovoltaic Performance of Benzodithiophene-Isoindigo Polymers by Inserting Bithiophene Spacer. *Advanced Energy Materials*, **2014**, 4, 1301455	21.8	58
251	Carbon monoxide adsorption on silver doped gold clusters. *Journal of Physical Chemistry A*, **2011**, 115, 2103-9	2.8	58
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248	The effect of conjugation length on triplet energies, electron delocalization and electron-electron correlation in soluble polythiophenes. *Journal of Chemical Physics*, **2001**, 115, 9046-9049	3.9	57
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246	Diffusion-Limited Crystallization: A Rationale for the Thermal Stability of Non-Fullerene Solar Cells. *ACS Applied Materials & Interfaces*, **2019**, 11, 21766-21774	9.5	56
245	Ultrafast terahertz photoconductivity of bulk heterojunction materials reveals high carrier mobility up to nanosecond time scale. *Journal of the American Chemical Society*, **2012**, 134, 11836-9	16.4	54

244	Relating open-circuit voltage losses to the active layer morphology and contact selectivity in organic solar cells. *Journal of Materials Chemistry A*, **2018**, 6, 12574-12581	13	53
243	On the desired properties of a conjugated polymer-electrolyte blend in a light-emitting electrochemical cell. *Organic Electronics*, **2008**, 9, 699-710	3.5	53
242	Influence of Incorporating Different Electron-Rich Thiophene-Based Units on the Photovoltaic Properties of Isoindigo-Based Conjugated Polymers: An Experimental and DFT Study. *Macromolecules*, **2013**, 46, 8488-8499	5.5	52
241	Low bandgap polymers synthesized by FeCl3 oxidative polymerization. *Solar Energy Materials and Solar Cells*, **2010**, 94, 1275-1281	6.4	52
240	High carrier mobility in low band gap polymer-based field-effect transistors. *Applied Physics Letters*, **2005**, 87, 252105	3.4	52
239	Inverted all-polymer solar cells based on a quinoxaline□thiophene/naphthalene-diimide polymer blend improved by annealing. *Journal of Materials Chemistry A*, **2016**, 4, 3835-3843	13	51
238	Device Performance of APFO-3/PCBM Solar Cells with Controlled Morphology. *Advanced Materials*, **2009**, 21, 4398-403	24	51
237	Synthesis and Characterization of Soluble and n-Dopable Poly(quinoxaline vinylene)s and Poly(pyridopyrazine vinylene)s with Relatively Small Band Gap. *Macromolecules*, **2002**, 35, 1638-1643	5.5	51
236	Structural Ordering in Phenyl-Substituted Polythiophenes. *Macromolecules*, **2000**, 33, 5481-5489	5.5	51
235	Intra- and Interchain Luminescence in Amorphous and Semicrystalline Films of Phenyl-Substituted Polythiophene. *Journal of Physical Chemistry B*, **2001**, 105, 7624-7631	3.4	51
234	Nucleation-limited fullerene crystallisation in a polymer□fullerene bulk-heterojunction blend. *Journal of Materials Chemistry A*, **2013**, 1, 7174	13	50
233	Polymer solar cells with low-bandgap polymers blended with C70-derivative give photocurrent at 1 □m. *Thin Solid Films*, **2006**, 511-512, 576-580	2.2	50
232	Synthesis of regioregular phenyl substituted polythiophenes with FeCl3. *Synthetic Metals*, **1999**, 101, 11-12	3.6	50
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229	Excitation Transfer in Polymer Photodiodes for Enhanced Quantum Efficiency. *Advanced Materials*, **2000**, 12, 1110-1114	24	48
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227	Matrix Organization and Merit Factor Evaluation as a Method to Address the Challenge of Finding a Polymer Material for Roll Coated Polymer Solar Cells. *Advanced Energy Materials*, **2015**, 5, 1402186	21.8	47

226	Unravelling the Thermomechanical Properties of Bulk Heterojunction Blends in Polymer Solar Cells. *Macromolecules*, **2017**, 50, 3347-3354	5.5	46
225	Charge separation dynamics in a narrow band gap polymer–PbS nanocrystal blend for efficient hybrid solar cells. *Journal of Materials Chemistry*, **2012**, 22, 24411		46
224	Enhanced current efficiency from bio-organic light-emitting diodes using decorated amyloid fibrils with conjugated polymer. *Nano Letters*, **2008**, 8, 2858-61	11.5	46
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222	Deposition Methods of Graphene as Electrode Material for Organic Solar Cells. *Advanced Energy Materials*, **2017**, 7, 1601393	21.8	45
221	Tailored side-chain architecture of benzil voltage stabilizers for enhanced dielectric strength of cross-linked polyethylene. *Journal of Polymer Science, Part B: Polymer Physics*, **2014**, 52, 1047-1054	2.6	44
220	Fullerene mixtures enhance the thermal stability of a non-crystalline polymer solar cell blend. *Applied Physics Letters*, **2014**, 104, 153301	3.4	44
219	Enhance performance of organic solar cells based on an isoindigo-based copolymer by balancing absorption and miscibility of electron acceptor. *Applied Physics Letters*, **2011**, 99, 143302	3.4	44
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217	Low band gap donor–acceptor–donor polymers for infra-red electroluminescence and transistors. *Synthetic Metals*, **2004**, 146, 233-236	3.6	44
216	Thermochromism and optical absorption in Langmuir–Blodgett films of alkyl-substituted polythiophenes. *Journal of Applied Physics*, **1994**, 76, 893-899	2.5	44
215	Highly Insulating Polyethylene Blends for High-Voltage Direct-Current Power Cables. *ACS Macro Letters*, **2017**, 6, 78-82	6.6	43
214	High-photovoltage all-polymer solar cells based on a diketopyrrolopyrrole–isoindigo acceptor polymer. *Journal of Materials Chemistry A*, **2017**, 5, 11693-11700	13	43
213	Sub-glass transition annealing enhances polymer solar cell performance. *Journal of Materials Chemistry A*, **2014**, 2, 6146-6152	13	43
212	Nanomorphology of Bulk Heterojunction Organic Solar Cells in 2D and 3D Correlated to Photovoltaic Performance. *Macromolecules*, **2009**, 42, 4646-4650	5.5	42
211	Stoichiometry dependence of charge transport in polymer/methanofullerene and polymer/C70 derivative based solar cells. *Organic Electronics*, **2006**, 7, 195-204	3.5	42
210	Improvements of fill factor in solar cells based on blends of polyfluorene copolymers as electron donors. *Thin Solid Films*, **2007**, 515, 3126-3131	2.2	41
209	Red and near infrared polarized light emissions from polyfluorene copolymer based light emitting diodes. *Applied Physics Letters*, **2007**, 90, 113510	3.4	41

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207	Effects of side chain isomerism on the physical and photovoltaic properties of indacenodithieno[3,2-b]thiophene–quinoxaline copolymers: toward a side chain design for enhanced photovoltaic performance. *Journal of Materials Chemistry A*, **2014**, 2, 18988-18997	13	40
206	Catalytic oxidation of hydrogen on free platinum clusters. *Journal of Chemical Physics*, **2002**, 117, 7051-7054	3.4	40
205	Tuning the Vertical Phase Separation in Polyfluorene:Fullerene Blend Films by Polymer Functionalization. *Chemistry of Materials*, **2011**, 23, 2295-2302	9.6	39
204	Integration of amyloid nanowires in organic solar cells. *Applied Physics Letters*, **2008**, 93, 023307	3.4	39
203	Lasing in a Microcavity with an Oriented Liquid-Crystalline Polyfluorene Copolymer as Active Layer. *Advanced Materials*, **2001**, 13, 323-327	24	39
202	Synthesis and properties of alternating polyfluorene copolymers with redshifted absorption for use in solar cells. *Synthetic Metals*, **2003**, 135-136, 137-138	3.6	38
201	Synthesis of Soluble Phenyl-Substituted Poly(p-phenylenevinylenes) with a Low Content of Structural Defects. *Macromolecules*, **2002**, 35, 4997-5003	5.5	38
200	Blue-to-transmissive electrochromic switching of solution processable donor–acceptor polymers. *Organic Electronics*, **2011**, 12, 1406-1413	3.5	37
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198	Donor and Acceptor Behavior in a Polyfluorene for Photovoltaics. *Journal of Physical Chemistry C*, **2007**, 111, 5244-5249	3.8	37
197	Triazolobenzothiadiazole-Based Copolymers for Polymer Light-Emitting Diodes: Pure Near-Infrared Emission via Optimized Energy and Charge Transfer. *Advanced Optical Materials*, **2016**, 4, 2068-2076	8.1	37
196	Asymmetric photocurrent extraction in semitransparent laminated flexible organic solar cells. *Npj Flexible Electronics*, **2018**, 2,	10.7	36
195	Photodiodes and solar cells based on the n-type polymer poly(pyridopyrazine vinylene) as electron acceptor. *Synthetic Metals*, **2003**, 138, 555-560	3.6	36
194	Luminescence quenching by inter-chain aggregates in substituted polythiophenes. *Journal of Photochemistry and Photobiology A: Chemistry*, **2001**, 144, 3-12	4.7	36
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187	Isothermal Crystallization Kinetics and Time-Temperature-Transformation of the Conjugated Polymer: Poly(3-(2′-ethyl)hexylthiophene). *Chemistry of Materials*, **2017**, 29, 5654-5662	9.6	33
186	Predicting thermal stability of organic solar cells through an easy and fast capacitance measurement. *Solar Energy Materials and Solar Cells*, **2015**, 141, 240-247	6.4	33
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184	Structural tuning of quinoxaline-benzodithiophene copolymers via alkyl side chain manipulation: synthesis, characterization and photovoltaic properties. *Journal of Materials Chemistry A*, **2014**, 2, 11162-11170	12	32
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