

# Olle W Ingnas

## List of Publications by Citations

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468  
ext. papers

42,563  
ext. citations

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7.66  
L-index

#	Paper	IF	Citations
454	Organic solar cells based on non-fullerene acceptors. <i>Nature Materials</i> , <b>2018</b> , 17, 119-128	27	1743
453	Fullerene-Free Polymer Solar Cells with over 11% Efficiency and Excellent Thermal Stability. <i>Advanced Materials</i> , <b>2016</b> , 28, 4734-9	24	1507
452	Modeling photocurrent action spectra of photovoltaic devices based on organic thin films. <i>Journal of Applied Physics</i> , <b>1999</b> , 86, 487-496	2.5	1248
451	On the origin of the open-circuit voltage of polymer-fullerene solar cells. <i>Nature Materials</i> , <b>2009</b> , 8, 904-97		1006
450	Fast charge separation in a non-fullerene organic solar cell with a small driving force. <i>Nature Energy</i> , <b>2016</b> , 1,	62.3	967
449	Consensus stability testing protocols for organic photovoltaic materials and devices. <i>Solar Energy Materials and Solar Cells</i> , <b>2011</b> , 95, 1253-1267	6.4	690
448	Light-emitting diodes with variable colours from polymer blends. <i>Nature</i> , <b>1994</b> , 372, 444-446	50.4	682
447	High-Performance Polymer Solar Cells of an Alternating Polyfluorene Copolymer and a Fullerene Derivative. <i>Advanced Materials</i> , <b>2003</b> , 15, 988-991	24	677
446	Relating the open-circuit voltage to interface molecular properties of donor:acceptor bulk heterojunction solar cells. <i>Physical Review B</i> , <b>2010</b> , 81,	3.3	636
445	Electrochromic and highly stable poly(3,4-ethylenedioxythiophene) switches between opaque blue-black and transparent sky blue. <i>Polymer</i> , <b>1994</b> , 35, 1347-1351	3.9	590
444	Design rules for minimizing voltage losses in high-efficiency organic solar cells. <i>Nature Materials</i> , <b>2018</b> , 17, 703-709	27	500
443	Microrobots for micrometer-size objects in aqueous media: potential tools for single-cell manipulation. <i>Science</i> , <b>2000</b> , 288, 2335-8	33.3	447
442	Influence of Solvent Mixing on the Morphology and Performance of Solar Cells Based on Polyfluorene Copolymer/Fullerene Blends. <i>Advanced Functional Materials</i> , <b>2006</b> , 16, 667-674	15.6	421
441	An easily synthesized blue polymer for high-performance polymer solar cells. <i>Advanced Materials</i> , <b>2010</b> , 22, 5240-4	24	410
440	Polymer Photovoltaic Cells with Conducting Polymer Anodes. <i>Advanced Materials</i> , <b>2002</b> , 14, 662-665	24	406
439	A planar copolymer for high efficiency polymer solar cells. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 14612-3	16.4	392
438	Correlation between oxidation potential and open-circuit voltage of composite solar cells based on blends of polythiophenes/ fullerene derivative. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 1609-1611	3.4	389

437	Renewable cathode materials from biopolymer/conjugated polymer interpenetrating networks. <i>Science</i> , <b>2012</b> , 335, 1468-71	33.3	380
436	Towards woven logic from organic electronic fibres. <i>Nature Materials</i> , <b>2007</b> , 6, 357-62	27	376
435	High Performance All-Polymer Solar Cells by Synergistic Effects of Fine-Tuned Crystallinity and Solvent Annealing. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 10935-44	16.4	362
434	Organic Photovoltaics over Three Decades. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800388	24	360
433	Predicting the Open-Circuit Voltage of CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> Perovskite Solar Cells Using Electroluminescence and Photovoltaic Quantum Efficiency Spectra: the Role of Radiative and Non-Radiative Recombination. <i>Advanced Energy Materials</i> , <b>2015</b> , 5, 1400812	21.8	358
432	Field-effect mobility of poly(3-hexylthiophene). <i>Applied Physics Letters</i> , <b>1988</b> , 53, 195-197	3.4	358
431	An easily accessible isoindigo-based polymer for high-performance polymer solar cells. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 14244-7	16.4	349
430	Mapping Polymer Donors toward High-Efficiency Fullerene Free Organic Solar Cells. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604155	24	335
429	Electroluminescence from charge transfer states in polymer solar cells. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 11819-24	16.4	318
428	Chip and solution detection of DNA hybridization using a luminescent zwitterionic polythiophene derivative. <i>Nature Materials</i> , <b>2003</b> , 2, 419-24	27	316
427	Structure of thin films of poly(3,4-ethylenedioxythiophene). <i>Synthetic Metals</i> , <b>1999</b> , 101, 561-564	3.6	312
426	Low-Bandgap Alternating Fluorene Copolymer/Methanofullerene Heterojunctions in Efficient Near-Infrared Polymer Solar Cells. <i>Advanced Materials</i> , <b>2006</b> , 18, 2169-2173	24	311
425	White light emission from a polymer blend light emitting diode. <i>Applied Physics Letters</i> , <b>1996</b> , 68, 147-149	3.4	301
424	Optical anisotropy in thin films of poly(3,4-ethylenedioxythiophene)/poly(4-styrenesulfonate). <i>Organic Electronics</i> , <b>2002</b> , 3, 143-148	3.5	294
423	Electrochemical bandgaps of substituted polythiophenes. <i>Journal of Materials Chemistry</i> , <b>2003</b> , 13, 1316-1323	27.1	
422	A New Donor-Acceptor Donor Polyfluorene Copolymer with Balanced Electron and Hole Mobility. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3836-3842	15.6	270
421	Wide-gap non-fullerene acceptor enabling high-performance organic photovoltaic cells for indoor applications. <i>Nature Energy</i> , <b>2019</b> , 4, 768-775	62.3	256
420	Electrode Grids for ITO Free Organic Photovoltaic Devices. <i>Advanced Materials</i> , <b>2007</b> , 19, 2893-2897	24	244

4 <sup>19</sup>	Enhancing the Photovoltage of Polymer Solar Cells by Using a Modified Cathode. <i>Advanced Materials</i> , <b>2007</b> , 19, 1835-1838	24	241
4 <sup>18</sup>	Alternating polyfluorenes collect solar light in polymer photovoltaics. <i>Accounts of Chemical Research</i> , <b>2009</b> , 42, 1731-9	24.3	227
4 <sup>17</sup>	Substituted polythiophenes designed for optoelectronic devices and conductors. <i>Journal of Materials Chemistry</i> , <b>1999</b> , 9, 1933-1940		225
4 <sup>16</sup>	Polarized electroluminescence from an oriented substituted polythiophene in a light emitting diode. <i>Advanced Materials</i> , <b>1995</b> , 7, 43-45	24	217
4 <sup>15</sup>	Polymer Solar Cells Based on a Low-Bandgap Fluorene Copolymer and a Fullerene Derivative with Photocurrent Extended to 850 nm. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 745-750	15.6	214
4 <sup>14</sup>	Non-fullerene acceptor with low energy loss and high external quantum efficiency: towards high performance polymer solar cells. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5890-5897	13	202
4 <sup>13</sup>	A round robin study of flexible large-area roll-to-roll processed polymer solar cell modules. <i>Solar Energy Materials and Solar Cells</i> , <b>2009</b> , 93, 1968-1977	6.4	194
4 <sup>12</sup>	Infrared photocurrent spectral response from plastic solar cell with low-band-gap polyfluorene and fullerene derivative. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 5081-5083	3.4	193
4 <sup>11</sup>	High Quantum Efficiency Polythiophene. <i>Advanced Materials</i> , <b>1998</b> , 10, 774-777	24	177
4 <sup>10</sup>	Surface plasmon increase absorption in polymer photovoltaic cells. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 113514	3.4	169
4 <sup>09</sup>	Low bandgap alternating polyfluorene copolymers in plastic photodiodes and solar cells. <i>Applied Physics A: Materials Science and Processing</i> , <b>2004</b> , 79, 31-35	2.6	167
4 <sup>08</sup>	Charge generation in polymer-fullerene bulk-heterojunction solar cells. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 20291-304	3.6	166
4 <sup>07</sup>	Three-Step Redox in Polythiophenes: Evidence from Electrochemistry at an Ultramicroelectrode. <i>The Journal of Physical Chemistry</i> , <b>1996</b> , 100, 15202-15206		165
4 <sup>06</sup>	Quantification of Quantum Efficiency and Energy Losses in Low Bandgap Polymer:Fullerene Solar Cells with High Open-Circuit Voltage. <i>Advanced Functional Materials</i> , <b>2012</b> , 22, 3480-3490	15.6	164
4 <sup>05</sup>	Enhanced Photocurrent Spectral Response in Low-Bandgap Polyfluorene and C70-Derivative-Based Solar Cells. <i>Advanced Functional Materials</i> , <b>2005</b> , 15, 1665-1670	15.6	162
4 <sup>04</sup>	Photodiode performance and nanostructure of polythiophene/C60 blends. <i>Advanced Materials</i> , <b>1997</b> , 9, 1164-1168	24	161
4 <sup>03</sup>	Patterning of Polymer Light-Emitting Diodes with Soft Lithography. <i>Advanced Materials</i> , <b>2000</b> , 12, 269-273		158
4 <sup>02</sup>	Imaging distinct conformational states of amyloid-beta fibrils in Alzheimer's disease using novel luminescent probes. <i>ACS Chemical Biology</i> , <b>2007</b> , 2, 553-60	4.9	156

401	Self-assembly of synthetic peptides control conformation and optical properties of a zwitterionic polythiophene derivative. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 10170-4	11.5	155
400	The promotion of neuronal maturation on soft substrates. <i>Biomaterials</i> , <b>2009</b> , 30, 4567-72	15.6	150
399	Electroactive polymers for neural interfaces. <i>Polymer Chemistry</i> , <b>2010</b> , 1, 1374	4.9	150
398	Structural Anisotropy of Poly(alkylthiophene) Films. <i>Macromolecules</i> , <b>2000</b> , 33, 3120-3127	5.5	147
397	Synthesis and characterization of benzodithiophene-isindigo polymers for solar cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 2306-2314		146
396	Conjugated polyelectrolytes: conformation-sensitive optical probes for detection of amyloid fibril formation. <i>Biochemistry</i> , <b>2005</b> , 44, 3718-24	3.2	146
395	Inverted and transparent polymer solar cells prepared with vacuum-free processing. <i>Solar Energy Materials and Solar Cells</i> , <b>2009</b> , 93, 497-500	6.4	143
394	Fiber-Embedded Electrolyte-Gated Field-Effect Transistors for e-Textiles. <i>Advanced Materials</i> , <b>2009</b> , 21, 573-7	24	141
393	A Conjugated Polymer for Near Infrared Optoelectronic Applications. <i>Advanced Materials</i> , <b>2007</b> , 19, 3308-3311	24	141
392	Trapping Light in Polymer Photodiodes with Soft Embossed Gratings. <i>Advanced Materials</i> , <b>2000</b> , 12, 189-195	14.5	141
391	Electrochemical and optical studies of the band gaps of alternating polyfluorene copolymers. <i>Synthetic Metals</i> , <b>2006</b> , 156, 614-623	3.6	139
390	Woven electrochemical transistors on silk fibers. <i>Advanced Materials</i> , <b>2011</b> , 23, 898-901	24	133
389	Geminate charge recombination in alternating polyfluorene copolymer/fullerene blends. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 8466-72	16.4	133
388	Soluble Polythiophenes with Pendant Fullerene Groups as Double Cable Materials for Photodiodes. <i>Advanced Materials</i> , <b>2001</b> , 13, 1871	24	133
387	High photovoltage achieved in low band gap polymer solar cells by adjusting energy levels of a polymer with the LUMOs of fullerene derivatives. <i>Journal of Materials Chemistry</i> , <b>2008</b> , 18, 5468		131
386	Photophysics of Substituted Polythiophenes. <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 7771-7780	3.4	131
385	Imaging the Phase Separation Between PEDOT and Polyelectrolytes During Processing of Highly Conductive PEDOT:PSS Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 19764-73	9.5	128
384	An isindigo-based low band gap polymer for efficient polymer solar cells with high photo-voltage. <i>Chemical Communications</i> , <b>2011</b> , 47, 4908-10	5.8	128

383	Investigation on polymer anode design for flexible polymer solar cells. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 233308	3.4	127
382	Synthesis of a regioregular zwitterionic conjugated oligoelectrolyte, usable as an optical probe for detection of amyloid fibril formation at acidic pH. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 2317-23	16.4	127
381	Trapping light with micro lenses in thin film organic photovoltaic cells. <i>Optics Express</i> , <b>2008</b> , 16, 21608-15	3.3	126
380	Spectroscopic ellipsometry studies of the optical properties of doped poly(3,4-ethylenedioxythiophene): an anisotropic metal. <i>Thin Solid Films</i> , <b>1998</b> , 313-314, 356-361	2.2	123
379	Geminate charge recombination in polymer/fullerene bulk heterojunction films and implications for solar cell function. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12440-51	16.4	120
378	Active Materials for Organic Electrochemical Transistors. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800941	24	119
377	An alternating low band-gap polyfluorene for optoelectronic devices. <i>Polymer</i> , <b>2006</b> , 47, 4261-4268	3.9	119
376	White light from an electroluminescent diode made from poly[3(4-octylphenyl)-2,2'-bithiophene] and an oxadiazole derivative. <i>Journal of Applied Physics</i> , <b>1994</b> , 76, 7530-7534	2.5	119
375	Side-Chain Architectures of 2,7-Carbazole and Quinoxaline-Based Polymers for Efficient Polymer Solar Cells. <i>Macromolecules</i> , <b>2011</b> , 44, 2067-2073	5.5	118
374	Over 14% efficiency all-polymer solar cells enabled by a low bandgap polymer acceptor with low energy loss and efficient charge separation. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 5017-5027	35.4	117
373	Synthesis, Characterization, and Devices of a Series of Alternating Copolymers for Solar Cells. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 3491-3502	9.6	115
372	Conjugated polyelectrolytes--conformation-sensitive optical probes for staining and characterization of amyloid deposits. <i>ChemBioChem</i> , <b>2006</b> , 7, 1096-104	3.8	115
371	Conducting Polymer Nanowires and Nanodots Made with Soft Lithography. <i>Nano Letters</i> , <b>2002</b> , 2, 1373-1377	13.7	115
370	Influence of Molecular Weight on the Performance of Organic Solar Cells Based on a Fluorene Derivative. <i>Advanced Functional Materials</i> , <b>2010</b> , 20, 2124-2131	15.6	114
369	Folded reflective tandem polymer solar cell doubles efficiency. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 123514	3.4	114
368	Light trapping in thin film organic solar cells. <i>Materials Today</i> , <b>2014</b> , 17, 389-396	21.8	111
367	On the Dissociation Efficiency of Charge Transfer Excitons and Frenkel Excitons in Organic Solar Cells: A Luminescence Quenching Study. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 21824-21832	3.8	108
366	Electrochemical devices made from conducting nanowire networks self-assembled from amyloid fibrils and alkoxy-sulfonate PEDOT. <i>Nano Letters</i> , <b>2008</b> , 8, 1736-40	11.5	108

365	Electrochemical muscles: Micromachining fingers and corkscrews. <i>Advanced Materials</i> , <b>1993</b> , 5, 630-632	24	104
364	Influences of Surface Roughness of ZnO Electron Transport Layer on the Photovoltaic Performance of Organic Inverted Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 24462-24468	3.8	103
363	Interference phenomenon determines the color in an organic light emitting diode. <i>Journal of Applied Physics</i> , <b>1997</b> , 81, 8097-8104	2.5	103
362	Influence of buffer layers on the performance of polymer solar cells. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 3906-3908	3.4	102
361	Structure-property relationships of oligothiophene-indigo polymers for efficient bulk-heterojunction solar cells. <i>Energy and Environmental Science</i> , <b>2014</b> , 7, 361-369	35.4	100
360	Supramolecular Self-Assembly for Enhanced Conductivity in Conjugated Polymer Blends: Ionic Crosslinking in Blends of Poly(3,4-ethylenedioxythiophene)-Poly(styrenesulfonate) and Poly(vinylpyrrolidone). <i>Advanced Materials</i> , <b>1998</b> , 10, 1097-1099	24	100
359	Conjugated Polymers as Optical Probes for Protein Interactions and Protein Conformations. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 1703-1713	4.8	99
358	A polythiophene microcavity laser. <i>Chemical Physics Letters</i> , <b>1998</b> , 288, 879-884	2.5	98
357	Imaging of the 3D nanostructure of a polymer solar cell by electron tomography. <i>Nano Letters</i> , <b>2009</b> , 9, 853-5	11.5	97
356	Polymer photovoltaics with alternating copolymer/fullerene blends and novel device architectures. <i>Advanced Materials</i> , <b>2010</b> , 22, E100-16	24	96
355	Structural aspects of electrochemical doping and dedoping of poly(3,4-ethylenedioxythiophene). <i>Synthetic Metals</i> , <b>2000</b> , 113, 93-97	3.6	96
354	Solution-Processable Organic Molecule with Triphenylamine Core and Two Benzothiadiazole-Thiophene Arms for Photovoltaic Application. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 3701-3706	3.8	94
353	Composite biomolecule/PEDOT materials for neural electrodes. <i>Biointerphases</i> , <b>2008</b> , 3, 83-93	1.8	94
352	Semi-Transparent Tandem Organic Solar Cells with 90% Internal Quantum Efficiency. <i>Advanced Energy Materials</i> , <b>2012</b> , 2, 1467-1476	21.8	93
351	Optical optimization of polyfluorene-fullerene blend photodiodes. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 034503	2.5	93
350	Photo-generated carriers lose energy during extraction from polymer-fullerene solar cells. <i>Nature Communications</i> , <b>2015</b> , 6, 8778	17.4	89
349	Twisting macromolecular chains: self-assembly of a chiral supermolecule from nonchiral polythiophene polyanions and random-coil synthetic peptides. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 11197-202	11.5	89
348	A new route to polythiophene and copolymers of thiophene and pyrrole. <i>Synthetic Metals</i> , <b>1985</b> , 11, 239-249	3.49	89

347	Interlayer for modified cathode in highly efficient inverted ITO-free organic solar cells. <i>Advanced Materials</i> , <b>2012</b> , 24, 554-8	24	88
346	Polymer Photovoltaic Devices from Stratified Multilayers of Donor/Acceptor Blends. <i>Advanced Materials</i> , <b>2000</b> , 12, 1367-1370	24	88
345	Iron-Catalyzed Polymerization of Alkoxysulfonate-Functionalized 3,4-Ethylenedioxythiophene Gives Water-Soluble Poly(3,4-ethylenedioxythiophene) of High Conductivity. <i>Chemistry of Materials</i> , <b>2009</b> , 21, 1815-1821	9.6	87
344	Design, Synthesis and Properties of Low Band Gap Polyfluorenes for Photovoltaic Devices. <i>Synthetic Metals</i> , <b>2005</b> , 154, 53-56	3.6	87
343	Conformational Disorder Enhances Solubility and Photovoltaic Performance of a Thiophene/Quinoxaline Copolymer. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 806-814	21.8	85
342	Multicolor oligothiophene-based light-emitting diodes. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 1493-1495	3.4	85
341	A Photoelectrochromic Memory and Display Device Based on Conducting Polymers. <i>Journal of the Electrochemical Society</i> , <b>1984</b> , 131, 1129-1132	3.9	85
340	Temperature dependence of charge carrier generation in organic photovoltaics. <i>Physical Review Letters</i> , <b>2015</b> , 114, 128701	7.4	84
339	Electrochemical muscles: Bending strips built from conjugated polymers. <i>Synthetic Metals</i> , <b>1993</b> , 57, 3718-3723	3.6	83
338	New low band gap alternating polyfluorene copolymer-based photovoltaic cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2007</b> , 91, 1010-1018	6.4	82
337	Low Band Gap Polymer Solar Cells With Minimal Voltage Losses. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600148	21.8	80
336	Bending bilayer strips built from polyaniline for artificial electrochemical muscles. <i>Smart Materials and Structures</i> , <b>1993</b> , 2, 1-6	3.4	80
335	DA1DA2 Copolymers with Extended Donor Segments for Efficient Polymer Solar Cells. <i>Macromolecules</i> , <b>2015</b> , 48, 1009-1016	5.5	78
334	Optical properties of low band gap alternating copolyfluorenes for photovoltaic devices. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 204718	3.9	78
333	A new fullerene-free bulk-heterojunction system for efficient high-voltage and high-fill factor solution-processed organic photovoltaics. <i>Advanced Materials</i> , <b>2015</b> , 27, 1900-7	24	77
332	Charge carrier extraction by linearly increasing voltage: Analytic framework and ambipolar transients. <i>Journal of Applied Physics</i> , <b>2010</b> , 108, 113705	2.5	77
331	Photoluminescence quenching in a polymer thin-film field-effect luministor. <i>Journal of Applied Physics</i> , <b>1992</b> , 71, 2816-2820	2.5	77
330	Small band gap polymers synthesized via a modified nitration of 4,7-dibromo-2,1,3-benzothiadiazole. <i>Organic Letters</i> , <b>2010</b> , 12, 4470-3	6.2	76



329	Modeling electrical transport in blend heterojunction organic solar cells. <i>Journal of Applied Physics</i> , <b>2005</b> , 97, 124901	2.5	76
328	Hydrogels of a conducting conjugated polymer as 3-D enzyme electrode. <i>Biosensors and Bioelectronics</i> , <b>2003</b> , 19, 199-207	11.8	76
327	Nano-structured conducting polymer network based on PEDOT-PSS. <i>Synthetic Metals</i> , <b>2001</b> , 121, 1321-1322	3.2	76
326	Synthesis and Properties of a Soluble Conjugated Poly(azomethine) with High Molecular Weight. <i>Macromolecules</i> , <b>1998</b> , 31, 2676-2678	5.5	75
325	Polypyrrole micro actuators. <i>Synthetic Metals</i> , <b>1999</b> , 102, 1309-1310	3.6	75
324	Controlling colour by voltage in polymer light emitting diodes. <i>Synthetic Metals</i> , <b>1995</b> , 71, 2185-2186	3.6	75
323	Bioinspired Redox-Active Catechol-Bearing Polymers as Ultrarobust Organic Cathodes for Lithium Storage. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703373	24	75
322	Phase behaviour of liquid-crystalline polymer/fullerene organic photovoltaic blends: thermal stability and miscibility. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 10676		74
321	Organic tandem solar cells modelling and predictions. <i>Solar Energy Materials and Solar Cells</i> , <b>2006</b> , 90, 3491-3507	6.4	74
320	Photovoltaic cells with a conjugated polyelectrolyte. <i>Synthetic Metals</i> , <b>2000</b> , 110, 133-140	3.6	74
319	Synthesis and Characterization of Highly Soluble Phenyl-Substituted Poly(p-phenylenevinylenes). <i>Macromolecules</i> , <b>2000</b> , 33, 2525-2529	5.5	73
318	Comparing the device physics, dynamics and morphology of polymer solar cells employing conventional PCBM and non-fullerene polymer acceptor N2200. <i>Nano Energy</i> , <b>2017</b> , 35, 251-262	17.1	72
317	Origin of Reduced Bimolecular Recombination in Blends of Conjugated Polymers and Fullerenes. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 4262-4268	15.6	72
316	Ultrafast photogeneration of inter-chain charge pairs in polythiophene films. <i>Chemical Physics Letters</i> , <b>2000</b> , 322, 136-142	2.5	72
315	A polymer photodiode using vapour-phase polymerized PEDOT as an anode. <i>Solar Energy Materials and Solar Cells</i> , <b>2006</b> , 90, 133-141	6.4	71
314	Electroactive Luminescent Self-Assembled Bio-organic Nanowires: Integration of Semiconducting Oligoelectrolytes within Amyloidogenic Proteins. <i>Advanced Materials</i> , <b>2005</b> , 17, 1466-1471	24	71
313	Electrochemically Induced Volume Changes in Poly(3,4-ethylenedioxythiophene). <i>Chemistry of Materials</i> , <b>1996</b> , 8, 2439-2443	9.6	71
312	A unified description of non-radiative voltage losses in organic solar cells. <i>Nature Energy</i> , <b>2021</b> , 6, 799-806	6.3	70

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