

Olle W Ingnas

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

454
papers

39,758
citations

98
h-index

183
g-index

468
ext. papers

42,563
ext. citations

9.5
avg, IF

7.66
L-index

#	Paper	IF	Citations
454	Towards printable water-in-polymer salt electrolytes for high power organic batteries. <i>Journal of Power Sources</i> , 2022 , 524, 231103	8.9	4
453	Self-discharge study of lignin/graphite hybrid material electrodes. <i>Electrochimica Acta</i> , 2021 , 371, 137836.7	6.3	3
452	A unified description of non-radiative voltage losses in organic solar cells. <i>Nature Energy</i> , 2021 , 6, 799-806.	22.3	70
451	UV-protection and fluorescence properties of the exoskeleton obtained from a living diatom modified by an Eu ³⁺ -complex. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 10005-10012	7.1	0
450	In Situ Optical Studies on Morphology Formation in Organic Photovoltaic Blends.. <i>Small Methods</i> , 2021 , 5, e2100585	12.8	6
449	Non-conjugated natural alginate as electron-transport layer for high performance polymer solar cells after modification. <i>Journal of Power Sources</i> , 2021 , 510, 230408	8.9	1
448	17.25% high efficiency ternary solar cells with increased open-circuit voltage using a high HOMO level small molecule guest donor in a PM6:Y6 blend. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20493-20501	13	12
447	A DNA and Self-Doped Conjugated Polyelectrolyte Assembled for Organic Optoelectronics and Bioelectronics. <i>Biomacromolecules</i> , 2020 , 21, 1214-1221	6.9	6
446	All-Polymer High-Performance Photodetector through Lamination. <i>Advanced Electronic Materials</i> , 2020 , 6, 1901017	6.4	17
445	Reduced Nonradiative Voltage Loss in Terpolymer Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 3796-3802	6.4	5
444	Vibronic coherence contributes to photocurrent generation in organic semiconductor heterojunction diodes. <i>Nature Communications</i> , 2020 , 11, 617	17.4	14
443	Dedoping-induced interfacial instability of poly(ethylene imine)s-treated PEDOT:PSS as a low-work-function electrode. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 328-336	7.1	12
442	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> , 2020 , 13, 5017-5027	35.4	117
441	Effect of Sulfonation Level on Lignin/Carbon Composite Electrodes for Large-Scale Organic Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 17933-17944	8.3	8
440	Microfluidic-Assisted Blade Coating of Compositional Libraries for Combinatorial Applications: The Case of Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2020 , 10, 2001308	21.8	4
439	Organic Eu ³⁺ -complex-anchored porous diatomite channels enable UV protection and down conversion in hybrid material. <i>Science and Technology of Advanced Materials</i> , 2020 , 21, 726-736	7.1	1
438	Doped Conjugated Polymer Enclosing a Redox Polymer: Wiring Polyquinones with Poly(3,4-Ethylenedioxythiophene). <i>Advanced Energy and Sustainability Research</i> , 2020 , 1, 2000027	1.6	8

437	One-Step Blade-Coated Highly Efficient Nonfullerene Organic Solar Cells with a Self-Assembled Interfacial Layer Enabled by Solvent Vapor Annealing. <i>Solar Rrl</i> , 2019 , 3, 1900179	7.1	11
436	Organic electrochemical transistors from supramolecular complexes of conjugated polyelectrolyte PEDOTS. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 2987-2993	7.1	13
435	Wide-gap non-fullerene acceptor enabling high-performance organic photovoltaic cells for indoor applications. <i>Nature Energy</i> , 2019 , 4, 768-775	62.3	256
434	Lessons Learned in Organic Optoelectronics. <i>Chemistry of Materials</i> , 2019 , 31, 6309-6314	9.6	3
433	Photovoltage loss in semi-transparent organic photovoltaic devices. <i>Organic Electronics</i> , 2019 , 74, 37-40	3.5	6
432	Photo-Oxidation Reveals H-Aggregates Hidden in Spin-Cast-Conjugated Polymer Films as Observed by Two-Dimensional Polarization Imaging. <i>Chemistry of Materials</i> , 2019 , 31, 8927-8936	9.6	3
431	Stacking Distance and Phase Separation Controlled Efficiency in Stable All-Polymer Solar Cells. <i>Polymers</i> , 2019 , 11,	4.5	11
430	Enhancing Energy Storage Devices with Biomacromolecules in Hybrid Electrodes. <i>Biotechnology Journal</i> , 2019 , 14, e1900062	5.6	13
429	Nonequilibrium site distribution governs charge-transfer electroluminescence at disordered organic heterointerfaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 23416-23425	11.5	20
428	Pulsed Terahertz Emission from Solution-Processed Lead Iodide Perovskite Films. <i>ACS Photonics</i> , 2019 , 6, 1175-1181	6.3	17
427	Biocarbon Meets Carbon-Humic Acid/Graphite Electrodes Formed by Mechanochemistry. <i>Materials</i> , 2019 , 12,	3.5	5
426	Scalable lignin/graphite electrodes formed by mechanochemistry.. <i>RSC Advances</i> , 2019 , 9, 39758-39767	3.7	11
425	DNA Based Hybrid Material for Interface Engineering in Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 9579-9586	9.5	15
424	Conducting Helical Structures from Celery Decorated with a Metallic Conjugated Polymer Give Resonances in the Terahertz Range. <i>Advanced Functional Materials</i> , 2018 , 28, 1706595	15.6	6
423	Asymmetric photocurrent extraction in semitransparent laminated flexible organic solar cells. <i>Npj Flexible Electronics</i> , 2018 , 2,	10.7	36
422	Organic solar cells based on non-fullerene acceptors. <i>Nature Materials</i> , 2018 , 17, 119-128	27	1743
421	Thermal annealing reduces geminate recombination in TQ1:N2200 all-polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 7428-7438	13	30
420	Design rules for minimizing voltage losses in high-efficiency organic solar cells. <i>Nature Materials</i> , 2018 , 17, 703-709	27	500

419	Active Materials for Organic Electrochemical Transistors. <i>Advanced Materials</i> , 2018 , 30, e1800941	24	119
418	Diatom frustules protect DNA from ultraviolet light. <i>Scientific Reports</i> , 2018 , 8, 5138	4.9	39
417	Uniaxial Anisotropy in PEDOT:PSS Electrodes Enhances the Photocurrent at Oblique Incidence in Organic Solar Cells. <i>ACS Photonics</i> , 2018 , 5, 3023-3030	6.3	7
416	Relating open-circuit voltage losses to the active layer morphology and contact selectivity in organic solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 12574-12581	13	53
415	Boosting the capacity of all-organic paper supercapacitors using wood derivatives. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 145-152	13	66
414	The contraction of PEDOT films formed on a macromolecular liquid-like surface. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 654-660	7.1	14
413	Highly Stable and Efficient Lignin-PEDOT/PSS Composites for Removal of Toxic Metals. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700114	5.9	13
412	Semitransparent all-polymer solar cells through lamination. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 21186-21192	13	13
411	Large-Area, Semitransparent, and Flexible All-Polymer Photodetectors. <i>Advanced Functional Materials</i> , 2018 , 28, 1805570	15.6	50
410	Light-induced degradation of fullerenes in organic solar cells: a case study on TQ1:PC71BM. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 11884-11889	13	19
409	Open-Circuit Voltage Modulations on All-Polymer Solar Cells by Side Chain Engineering on 4,8-Di(thiophen-2-yl)benzo[1,2-b:4,5-b']dithiophene-Based Donor Polymers. <i>ACS Applied Energy Materials</i> , 2018 , 1, 2918-2926	6.1	10
408	Organic Photovoltaics over Three Decades. <i>Advanced Materials</i> , 2018 , 30, e1800388	24	360
407	Photogenerated Carrier Mobility Significantly Exceeds Injected Carrier Mobility in Organic Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1602143	21.8	54
406	Innovative polyelectrolytes/poly(ionic liquid)s for energy and the environment. <i>Polymer International</i> , 2017 , 66, 1119-1128	3.3	33
405	A fullerene alloy based photovoltaic blend with a glass transition temperature above 200 °C. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 4156-4162	13	16
404	Conjugated Polyelectrolyte Blends for Highly Stable Accumulation-Mode Electrochemical Transistors. <i>Chemistry of Materials</i> , 2017 , 29, 4293-4300	9.6	31
403	Macroscopic Domains within an Oriented TQ1 Film Visualized Using 2D Polarization Imaging. <i>ACS Omega</i> , 2017 , 2, 32-40	3.9	9
402	Conducting microhelices from self-assembly of protein fibrils. <i>Soft Matter</i> , 2017 , 13, 4412-4417	3.6	12

401	Comparing the device physics, dynamics and morphology of polymer solar cells employing conventional PCBM and non-fullerene polymer acceptor N2200. <i>Nano Energy</i> , 2017 , 35, 251-262	17.1	72
400	Highly Stable Conjugated Polyelectrolytes for Water-Based Hybrid Mode Electrochemical Transistors. <i>Advanced Materials</i> , 2017 , 29, 1605787	24	35
399	Multiparameter investigation of bulk heterojunction organic photovoltaics. <i>RSC Advances</i> , 2017 , 7, 46313-46320	21.8	49
398	A Highly Crystalline Wide-Band-Gap Conjugated Polymer toward High-Performance As-Cast Nonfullerene Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 36061-36069	9.5	28
397	Nanoscale Chain Alignment and Morphology in All-Polymer Blends Visualized Using 2D Polarization Fluorescence Imaging: Correlation to Power Conversion Efficiencies in Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 21848-21856	3.8	6
396	Ternary Organic Solar Cells with Minimum Voltage Losses. <i>Advanced Energy Materials</i> , 2017 , 7, 1700390	21.8	49
395	Scalable Asymmetric Supercapacitors Based on Hybrid Organic/Biopolymer Electrodes. <i>Advanced Sustainable Systems</i> , 2017 , 1, 1700054	5.9	25
394	Charge Transport in Pure and Mixed Phases in Organic Solar Cells. <i>Advanced Energy Materials</i> , 2017 , 7, 1700888	21.8	45
393	Mapping Polymer Donors toward High-Efficiency Fullerene Free Organic Solar Cells. <i>Advanced Materials</i> , 2017 , 29, 1604155	24	335
392	Bioinspired Redox-Active Catechol-Bearing Polymers as Ultrarobust Organic Cathodes for Lithium Storage. <i>Advanced Materials</i> , 2017 , 29, 1703373	24	75
391	Self-doped conjugated polyelectrolyte with tuneable work function for effective hole transport in polymer solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 15670-15675	13	26
390	Organic Photovoltaics: Low Band Gap Polymer Solar Cells With Minimal Voltage Losses (Adv. Energy Mater. 18/2016). <i>Advanced Energy Materials</i> , 2016 , 6,	21.8	1
389	Conjugated Polyelectrolyte Blend as Photonic Probe of Biomembrane Organization. <i>ChemistrySelect</i> , 2016 , 1, 4340-4344	1.8	10
388	Low Band Gap Polymer Solar Cells With Minimal Voltage Losses. <i>Advanced Energy Materials</i> , 2016 , 6, 1600148	21.8	80
387	Fast charge separation in a non-fullerene organic solar cell with a small driving force. <i>Nature Energy</i> , 2016 , 1,	62.3	967
386	Electrochemical Synthesis and Characterization of Interpenetrating Networks of Conducting Polymers for Enhanced Charge Storage. <i>Advanced Materials Interfaces</i> , 2016 , 3, 1500533	4.6	14
385	Development of polymerfullerene solar cells. <i>National Science Review</i> , 2016 , 3, 222-239	10.8	63
384	New method for lateral mapping of bimolecular recombination in thin-film organic solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2016 , 24, 1096-1108	6.8	7

383	Two-in-one: cathode modification and improved solar cell blend stability through addition of modified fullerenes. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 2663-2669	13	24
382	Hybrid materials from organic electronic conductors and synthetic-lignin models for charge storage applications. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 1931-1940	13	26
381	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> , 2016 , 4, 5890-5897	13	202
380	Inverted all-polymer solar cells based on a quinoxalinethiophene/naphthalene-diimide polymer blend improved by annealing. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 3835-3843	13	51
379	Morphology, Temperature, and Field Dependence of Charge Separation in High-Efficiency Solar Cells Based on Alternating Polyquinoxaline Copolymer. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 4219-4226	3.8	19
378	Solar energy for electricity and fuels. <i>Ambio</i> , 2016 , 45 Suppl 1, S15-23	6.5	33
377	Enhancing charge storage of conjugated polymer electrodes with phenolic acids. <i>Journal of Power Sources</i> , 2016 , 302, 324-330	8.9	19
376	Fullerene-Free Polymer Solar Cells with over 11% Efficiency and Excellent Thermal Stability. <i>Advanced Materials</i> , 2016 , 28, 4734-9	24	1507
375	LED array scanner for inline characterization of thin film photovoltaic modules. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 157, 1057-1064	6.4	4
374	High Performance All-Polymer Solar Cells by Synergistic Effects of Fine-Tuned Crystallinity and Solvent Annealing. <i>Journal of the American Chemical Society</i> , 2016 , 138, 10935-44	16.4	362
373	Role of Polymer in Hybrid Polymer/PbS Quantum Dot Solar Cells. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 14972-14979	3.8	40
372	Electronic polymers in lipid membranes. <i>Scientific Reports</i> , 2015 , 5, 11242	4.9	25
371	Modulating molecular aggregation by facile heteroatom substitution of diketopyrrolopyrrole based small molecules for efficient organic solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24349-24357	13	23
370	Conjugated Polyelectrolyte Blends for Electrochromic and Electrochemical Transistor Devices. <i>Chemistry of Materials</i> , 2015 , 27, 6385-6393	9.6	67
369	Imaging the Phase Separation Between PEDOT and Polyelectrolytes During Processing of Highly Conductive PEDOT:PSS Films. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19764-73	9.5	128
368	Comparison of selenophene and thienothiophene incorporation into pentacyclic lactam-based conjugated polymers for organic solar cells. <i>Polymer Chemistry</i> , 2015 , 6, 7402-7409	4.9	4
367	One-Step Synthesis of Precursor Oligomers for Organic Photovoltaics: A Comparative Study between Polymers and Small Molecules. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 27106-14	9.5	23
366	Fully-solution-processed organic solar cells with a highly efficient paper-based light trapping element. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24289-24296	13	19

365	Photo-generated carriers lose energy during extraction from polymer-fullerene solar cells. <i>Nature Communications</i> , 2015 , 6, 8778	17.4	89
364	Predicting the Open-Circuit Voltage of CH ₃ NH ₃ PbI ₃ Perovskite Solar Cells Using Electroluminescence and Photovoltaic Quantum Efficiency Spectra: the Role of Radiative and Non-Radiative Recombination. <i>Advanced Energy Materials</i> , 2015 , 5, 1400812	21.8	358
363	High-Entropy Mixtures of Pristine Fullerenes for Solution-Processed Transistors and Solar Cells. <i>Advanced Materials</i> , 2015 , 27, 7325-31	24	45
362	Lignin Modification for Biopolymer/Conjugated Polymer Hybrids as Renewable Energy Storage Materials. <i>ChemSusChem</i> , 2015 , 8, 4081-5	8.3	31
361	The Effect of Processing Additives on Energetic Disorder in Highly Efficient Organic Photovoltaics: A Case Study on PBDTTT-C-T:PC71 BM. <i>Advanced Materials</i> , 2015 , 27, 3868-73	24	41
360	Protein nanowires with conductive properties. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 6499-6504	7.1	16
359	Temperature dependence of charge carrier generation in organic photovoltaics. <i>Physical Review Letters</i> , 2015 , 114, 128701	7.4	84
358	Extracting metal ions from water with redox active biopolymer electrodes. <i>Environmental Science: Water Research and Technology</i> , 2015 , 1, 326-331	4.2	10
357	DA1DA2 Copolymers with Extended Donor Segments for Efficient Polymer Solar Cells. <i>Macromolecules</i> , 2015 , 48, 1009-1016	5.5	78
356	A new fullerene-free bulk-heterojunction system for efficient high-voltage and high-fill factor solution-processed organic photovoltaics. <i>Advanced Materials</i> , 2015 , 27, 1900-7	24	77
355	Fullerene Nucleating Agents: A Route Towards Thermally Stable Photovoltaic Blends. <i>Advanced Energy Materials</i> , 2014 , 4, 1301437	21.8	60
354	Charge Carrier Dynamics of Polymer:Fullerene Blends: From Geminate to Non-Geminate Recombination. <i>Advanced Energy Materials</i> , 2014 , 4, 1301706	21.8	16
353	25th anniversary article: organic photovoltaic modules and biopolymer supercapacitors for supply of renewable electricity: a perspective from Africa. <i>Advanced Materials</i> , 2014 , 26, 830-48	24	39
352	Structure-property relationships of oligothiophene-indigo polymers for efficient bulk-heterojunction solar cells. <i>Energy and Environmental Science</i> , 2014 , 7, 361-369	35.4	100
351	Fullerene mixtures enhance the thermal stability of a non-crystalline polymer solar cell blend. <i>Applied Physics Letters</i> , 2014 , 104, 153301	3.4	44
350	Intermodulation electrostatic force microscopy for imaging surface photo-voltage. <i>Applied Physics Letters</i> , 2014 , 105, 143113	3.4	34
349	Neat C60:C70 buckminsterfullerene mixtures enhance polymer solar cell performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 14354-14359	13	25
348	Charge generation in polymer-fullerene bulk-heterojunction solar cells. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 20291-304	3.6	166

347	Sub-glass transition annealing enhances polymer solar cell performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 6146-6152	13	43
346	Improving Cathodes with a Polymer Interlayer in Reversed Organic Solar Cells. <i>Advanced Energy Materials</i> , 2014 , 4, 1400643	21.8	31
345	Amyloid fibrils as dispersing agents for oligothiophenes: control of photophysical properties through nanoscale templating and flow induced fibril alignment. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 7811	7.1	22
344	A new tetracyclic lactam building block for thick, broad-bandgap photovoltaics. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11578-81	16.4	67
343	A Facile Method to Enhance Photovoltaic Performance of Benzodithiophene-Isoindigo Polymers by Inserting Bithiophene Spacer. <i>Advanced Energy Materials</i> , 2014 , 4, 1301455	21.8	58
342	Dark states in ionic oligothiophene bioprobes--evidence from fluorescence correlation spectroscopy and dynamic light scattering. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 5924-33	3.4	3
341	Charge carrier generation and transport in different stoichiometry APFO3:PC61BM solar cells. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11331-8	16.4	29
340	Stability study of quinoxaline and pyrido pyrazine based co-polymers for solar cell applications. <i>Solar Energy Materials and Solar Cells</i> , 2014 , 130, 138-143	6.4	23
339	Dispersion-Dominated Photocurrent in Polymer:Fullerene Solar Cells. <i>Advanced Functional Materials</i> , 2014 , 24, 4507-4514	15.6	55
338	Light trapping in thin film organic solar cells. <i>Materials Today</i> , 2014 , 17, 389-396	21.8	111
337	A renewable biopolymer cathode with multivalent metal ions for enhanced charge storage. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 1974-1979	13	35
336	Amperometric detection of iron (III) on electroconductive hydrogel based on polypyrrole and alkoxy-sulfonated poly(3,4-ethylenedioxythiophene) (PEDOT-S). <i>Synthetic Metals</i> , 2014 , 194, 170-175	3.6	9
335	Conjugated polymers with polar side chains in bulk heterojunction solar cell devices. <i>Polymer International</i> , 2014 , 63, 22-30	3.3	8
334	Polarization Imaging of Emissive Charge Transfer States in Polymer/Fullerene Blends. <i>Chemistry of Materials</i> , 2014 , 26, 6695-6704	9.6	12
333	Electrochemistry and Ion Sensing Properties of Conducting Hydrogel Layers Based on Polypyrrole and Alkoxy-sulfonated Poly(3,4-ethylenedioxythiophene) (PEDOT-S). <i>Electroanalysis</i> , 2014 , 26, 739-747	3	1
332	Charge storage properties of biopolymer electrodes with (sub)tropical lignins. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24681-4	3.6	24
331	Charge Storage Capacity of Renewable Biopolymer/Conjugated Polymer Interpenetrating Networks Enhanced by Electroactive Dopants. <i>Advanced Energy Materials</i> , 2014 , 4, 1300443	21.8	62
330	Light Trapping with Dielectric Scatterers in Single- and Tandem-Junction Organic Solar Cells. <i>Advanced Energy Materials</i> , 2013 , 3, 1606-1613	21.8	28

329	Simple experimental test to distinguish extraction and injection barriers at the electrodes of (organic) solar cells with S-shaped current-voltage characteristics. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 117, 599-603	6.4	65
328	Origin of Reduced Bimolecular Recombination in Blends of Conjugated Polymers and Fullerenes. <i>Advanced Functional Materials</i> , 2013 , 23, 4262-4268	15.6	72
327	In situ reflectance imaging of organic thin film formation from solution deposition. <i>Solar Energy Materials and Solar Cells</i> , 2013 , 114, 89-98	6.4	19
326	Micro X-ray diffraction mapping of a fluorene copolymer fibre. <i>Polymer</i> , 2013 , 54, 805-811	3.9	9
325	Electronic polymers and DNA self-assembled in nanowire transistors. <i>Small</i> , 2013 , 9, 363-8	11	32
324	Conformational Disorder Enhances Solubility and Photovoltaic Performance of a Thiophene-Quinoxaline Copolymer. <i>Advanced Energy Materials</i> , 2013 , 3, 806-814	21.8	85
323	Unified Study of Recombination in Polymer:Fullerene Solar Cells Using Transient Absorption and Charge-Extraction Measurements. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 2069-72	6.4	24
322	Molecular orbital energy level modulation through incorporation of selenium and fluorine into conjugated polymers for organic photovoltaic cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 13422	13	26
321	Determination of Thermal Transition Depth Profiles in Polymer Semiconductor Films with Ellipsometry. <i>Macromolecules</i> , 2013 , 46, 7325-7331	5.5	21
320	Interlayer for modified cathode in highly efficient inverted ITO-free organic solar cells. <i>Advanced Materials</i> , 2012 , 24, 554-8	24	88
319	Morphology of organic electronic materials imaged via electron tomography. <i>Journal of Microscopy</i> , 2012 , 247, 277-87	1.9	7
318	Mixed C60/C70 based fullerene acceptors in polymer bulk-heterojunction solar cells. <i>Organic Electronics</i> , 2012 , 13, 2856-2864	3.5	16
317	Polarization anisotropy of charge transfer absorption and emission of aligned polymer:fullerene blend films. <i>Physical Review B</i> , 2012 , 86,	3.3	27
316	Renewable cathode materials from biopolymer/conjugated polymer interpenetrating networks. <i>Science</i> , 2012 , 335, 1468-71	33.3	380
315	Synthesis and characterization of benzodithiophene-indigo polymers for solar cells. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2306-2314		146
314	Bio-Based Materials as Templates for Electronic Devices 2012 , 401-429		1
313	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> , 2012 , 116, 24462-24468	3.8	103
312	Protein Nanofibrils Balance Colours in Organic White-Light-Emitting Diodes. <i>Israel Journal of Chemistry</i> , 2012 , 52, 529-539	3.4	23

311	Quantification of Quantum Efficiency and Energy Losses in Low Bandgap Polymer:Fullerene Solar Cells with High Open-Circuit Voltage. <i>Advanced Functional Materials</i> , 2012 , 22, 3480-3490	15.6	164
310	Semi-Transparent Tandem Organic Solar Cells with 90% Internal Quantum Efficiency. <i>Advanced Energy Materials</i> , 2012 , 2, 1467-1476	21.8	93
309	Alternating copolymers and alternative device geometries for organic photovoltaics. <i>Ambio</i> , 2012 , 41 Suppl 2, 138-42	6.5	7
308	Light trapping with total internal reflection and transparent electrodes in organic photovoltaic devices. <i>Applied Physics Letters</i> , 2012 , 101, 163902	3.4	18
307	An easily accessible isoindigo-based polymer for high-performance polymer solar cells. <i>Journal of the American Chemical Society</i> , 2011 , 133, 14244-7	16.4	349
306	Charge Transfer States in Organic Donor-Acceptor Solar Cells. <i>Semiconductors and Semimetals</i> , 2011 , 85, 261-295	0.6	17
305	Side-Chain Architectures of 2,7-Carbazole and Quinoxaline-Based Polymers for Efficient Polymer Solar Cells. <i>Macromolecules</i> , 2011 , 44, 2067-2073	5.5	118
304	An isoindigo-based low band gap polymer for efficient polymer solar cells with high photo-voltage. <i>Chemical Communications</i> , 2011 , 47, 4908-10	5.8	128
303	Lyotropic phase behaviour of dilute, aqueous hen lysozyme amyloid fibril dispersions. <i>Journal of Materials Science</i> , 2011 , 46, 3687-3692	4.3	6
302	Consensus stability testing protocols for organic photovoltaic materials and devices. <i>Solar Energy Materials and Solar Cells</i> , 2011 , 95, 1253-1267	6.4	690
301	Interactions between a luminescent conjugated oligoelectrolyte and insulin during early phases of amyloid formation. <i>Macromolecular Bioscience</i> , 2011 , 11, 1120-7	5.5	11
300	Lateral Phase Separation Gradients in Spin-Coated Thin Films of High-Performance Polymer:Fullerene Photovoltaic Blends. <i>Advanced Functional Materials</i> , 2011 , 21, 3169-3175	15.6	48
299	Woven electrochemical transistors on silk fibers. <i>Advanced Materials</i> , 2011 , 23, 898-901	24	133
298	Phase behaviour of liquid-crystalline polymer/fullerene organic photovoltaic blends: thermal stability and miscibility. <i>Journal of Materials Chemistry</i> , 2011 , 21, 10676		74
297	Functionalisation of recombinant spider silk with conjugated polyelectrolytes. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2909		18
296	Influence of side chains on electrochromic properties of green donor-acceptor-donor polymers. <i>Electrochimica Acta</i> , 2011 , 56, 3454-3459	6.7	21
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