

# Chengmei Zhong

## 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.

48  
papers

9,049  
citations

31  
h-index

53  
g-index

53  
ext. papers

9,432  
ext. citations

12.5  
avg, IF

5.89  
L-index

#	Paper	IF	Citations
48	Molecular-Scale Characterization of Photoinduced Charge Separation in Mixed-Dimensional InSe-Organic van der Waals Heterostructures. <i>ACS Nano</i> , <b>2020</b> , 14, 3509-3518	16.7	12
47	Hot Carrier and Surface Recombination Dynamics in Layered InSe Crystals. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 493-499	6.4	15
46	Mechanisms of Ultrafast Charge Separation in a PTB7/Monolayer MoS van der Waals Heterojunction. <i>Journal of Physical Chemistry Letters</i> , <b>2018</b> , 9, 2484-2491	6.4	42
45	Toward High Efficiency Polymer Solar Cells: Influence of Local Chemical Environment and Morphology. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1601081	21.8	40
44	Investigation of Charge Carrier Behavior in High Performance Ternary Blend Polymer Solar Cells. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600637	21.8	79
43	High-Performance Solution-Processed Non-Fullerene Organic Solar Cells Based on Selenophene-Containing Perylene Bisimide Acceptor. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 375-80	16.4	579
42	The influence of amino group on PCDTBT-based and P3HT-based polymer solar cells: Hole trapping processes. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 233302	3.4	13
41	Development of Active Materials and Interface Materials for High Performance Bulk-Heterojunction Polymer Solar Cells. <i>Topics in Applied Physics</i> , <b>2015</b> , 191-219	0.5	
40	Influence of Intermixed Donor and Acceptor Domains on the Ultrafast Charge Generation in Bulk Heterojunction Materials. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 26889-26894	3.8	19
39	Stimulated Emission from Rhodamine 6G Aggregates Self-Assembled on Amyloid Protein Fibrils. <i>ACS Photonics</i> , <b>2015</b> , 2, 1755-1762	6.3	27
38	Ultrafast charge transfer in operating bulk heterojunction solar cells. <i>Advanced Materials</i> , <b>2015</b> , 27, 2036241	24.1	26
37	High efficiency solution processed inverted white organic light emitting diodes with a cross-linkable amino-functionalized polyfluorene as a cathode interlayer. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 3270-3277	7.1	39
36	Achieving High Efficiency of PTB7-Based Polymer Solar Cells via Integrated Optimization of Both Anode and Cathode Interlayers. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1301771	21.8	92
35	Water/Alcohol-Soluble Conjugated Polymer-Based Interlayers for Polymer Solar Cells <b>2014</b> , 301-318		0
34	Ultrafast Charge Generation in an Organic Bilayer Film. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 2000-6	6.4	43
33	The influence of binary processing additives on the performance of polymer solar cells. <i>Nanoscale</i> , <b>2014</b> , 6, 14297-304	7.7	48
32	Highly efficient inverted polymer solar cells based on a cross-linkable water-/alcohol-soluble conjugated polymer interlayer. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 10429-35	9.5	144

31	High-Performance Inverted Organic Photovoltaics with Over 1- $\mu$ m Thick Active Layers. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1400378	21.8	76
30	Role of Localized States on Carrier Transport in Bulk Heterojunction Materials Comprised of Organic Small Molecule Donors. <i>Advanced Materials</i> , <b>2014</b> , 26, 2341-2345	24	9
29	Novel aminoalkyl-functionalized blue-, green- and red-emitting polyfluorenes. <i>Organic Electronics</i> , <b>2014</b> , 15, 850-857	3.5	10
28	Toward green solvent processable photovoltaic materials for polymer solar cells: the role of highly polar pendant groups in charge carrier transport and photovoltaic behavior. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 3022	35.4	142
27	Recent advances in water/alcohol-soluble $\pi$ -conjugated materials: new materials and growing applications in solar cells. <i>Chemical Society Reviews</i> , <b>2013</b> , 42, 9071-104	58.5	400
26	Ordered polymer nanofibers enhance output brightness in bilayer light-emitting field-effect transistors. <i>ACS Nano</i> , <b>2013</b> , 7, 2344-51	16.7	41
25	Conjugated zwitterionic polyelectrolyte-based interface modification materials for high performance polymer optoelectronic devices. <i>Chemical Science</i> , <b>2013</b> , 4, 1298	9.4	108
24	Fluorene-Benzothiadiazole Copolymer for Single Component Green Light-Emitting Electrochemical Cells. <i>Journal of Display Technology</i> , <b>2013</b> , 9, 476-482		7
23	Electrochemical route to fabricate film-like conjugated microporous polymers and application for organic electronics. <i>Advanced Materials</i> , <b>2013</b> , 25, 3443-8	24	179
22	Organic Optoelectronic Devices Containing Water/Alcohol-Soluble Conjugated Polymers and Conjugated Polyelectrolytes* <b>2013</b> , 345-388		1
21	Interface Engineering for High Performance Bulk-Heterojunction Polymeric Solar Cells. <i>Green Energy and Technology</i> , <b>2013</b> , 43-79	0.6	5
20	Synthesis of novel narrow-band-gap copolymers based on [1,2,5]thiadiazolo[3,4-f]benzotriazole and their application in bulk-heterojunction photovoltaic devices. <i>Polymer</i> , <b>2012</b> , 53, 1465-1472	3.9	37
19	Highly efficient green-emitting electrophosphorescent hyperbranched polymers using a bipolar carbazole-3,6-diyl-co-2,8-octyldibenzothiophene-S,S-dioxide-3,7-diyl unit as the branch. <i>RSC Advances</i> , <b>2012</b> , 2, 689-696	3.7	42
18	Enhanced power-conversion efficiency in polymer solar cells using an inverted device structure. <i>Nature Photonics</i> , <b>2012</b> , 6, 591-595	33.9	3384
17	In situ electrochemical deposition and doping of C60 films applied to high-performance inverted organic photovoltaics. <i>Advanced Materials</i> , <b>2012</b> , 24, 5727-31	24	60
16	Synthesis and characterization of alternating copolymers derived from indeno[1,2-b]fluorene for blue light-emitting diodes. <i>Journal of Applied Polymer Science</i> , <b>2012</b> , 125, 1409-1417	2.9	3
15	Highly Efficient Inverted Polymer Solar Cells Based on an Alcohol Soluble Fullerene Derivative Interfacial Modification Material. <i>Chemistry of Materials</i> , <b>2012</b> , 24, 1682-1689	9.6	100
14	Alkali metal salts doped pluronic block polymers as electron injection/transport layers for high performance polymer light-emitting diodes. <i>Science China Chemistry</i> , <b>2012</b> , 55, 766-771	7.9	8

13	Materials and Devices toward Fully Solution Processable Organic Light-Emitting Diodes. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 326-340	9.6	368
12	Synthesis of Quinoxaline-Based Donor-Acceptor Narrow-Band-Gap Polymers and Their Cyclized Derivatives for Bulk-Heterojunction Polymer Solar Cell Applications. <i>Macromolecules</i> , <b>2011</b> , 44, 894-901	5.5	123
11	A novel crosslinkable electron injection/transporting material for solution processed polymer light-emitting diodes. <i>Science China Chemistry</i> , <b>2011</b> , 54, 1745-1749	7.9	38
10	Bandgap engineering of indenofluorene-based conjugated copolymers with pendant donor-acceptor chromophores for photovoltaic applications. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 4406-4415	2.5	20
9	Simultaneous optimization of charge-carrier balance and luminous efficacy in highly efficient white polymer light-emitting devices. <i>Advanced Materials</i> , <b>2011</b> , 23, 2976-80	24	195
8	Simultaneous enhancement of open-circuit voltage, short-circuit current density, and fill factor in polymer solar cells. <i>Advanced Materials</i> , <b>2011</b> , 23, 4636-43	24	1860
7	5,6-Bis(decyloxy)-2,1,3-benzooxadiazole-Based Polymers with Different Electron Donors for Bulk-Heterojunction Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 16211-16219	3.8	45
6	Highly Efficient Electron Injection from Indium Tin Oxide/Cross-Linkable Amino-Functionalized Polyfluorene Interface in Inverted Organic Light Emitting Devices. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 4870-4876	9.6	106
5	Origin of the enhanced open-circuit voltage in polymer solar cells via interfacial modification using conjugated polyelectrolytes. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 2617		214
4	Novel Silafluorene-Based Conjugated Polymers with Pendant Acceptor Groups for High Performance Solar Cells. <i>Macromolecules</i> , <b>2010</b> , 43, 5262-5268	5.5	125
3	A Fluorene-Oxadiazole Copolymer for White Light-Emitting Electrochemical Cells. <i>Macromolecules</i> , <b>2010</b> , 43, 1714-1718	5.5	54
2	Solution-processed bulk heterojunction photovoltaic cells from gradient pi-conjugated thienylene vinylene dendrimers. <i>Chemistry - an Asian Journal</i> , <b>2010</b> , 5, 105-13	4.5	16
1	CdS-Nanoparticle-Doped Liquid Crystal Displays Showing Low Threshold Voltage. <i>Japanese Journal of Applied Physics</i> , <b>2009</b> , 48, 055002	1.4	55