

# Kung-Shih Chen

## List of Publications by Year in descending order

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26  
papers

3,097  
citations

279798

23  
h-index

580821

25  
g-index

26  
all docs

26  
docs citations

26  
times ranked

3930  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of New Conjugated Polymers with Donor- $\pi$ -Bridge-Acceptor Side Chains for High Performance Solar Cells. <i>Journal of the American Chemical Society</i> , 2009, 131, 13886-13887.	13.7	335
2	Semi-transparent polymer solar cells with 6% PCE, 25% average visible transmittance and a color rendering index close to 100 for power generating window applications. <i>Energy and Environmental Science</i> , 2012, 5, 9551.	30.8	323
3	Indacenodithiophene and Quinoxaline-Based Conjugated Polymers for Highly Efficient Polymer Solar Cells. <i>Chemistry of Materials</i> , 2011, 23, 2289-2291.	6.7	318
4	Increased open circuit voltage in fluorinated benzothiadiazole-based alternating conjugated polymers. <i>Chemical Communications</i> , 2011, 47, 11026.	4.1	241
5	Surface Doping of Conjugated Polymers by Graphene Oxide and Its Application for Organic Electronic Devices. <i>Advanced Materials</i> , 2011, 23, 1903-1908.	21.0	204
6	High Performance Amorphous Metallated $\pi$ -Conjugated Polymers for Field-Effect Transistors and Polymer Solar Cells. <i>Chemistry of Materials</i> , 2008, 20, 5734-5736.	6.7	182
7	Non-halogenated solvents for environmentally friendly processing of high-performance bulk-heterojunction polymer solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 3241.	30.8	168
8	Toward High-Performance Semi-Transparent Polymer Solar Cells: Optimization of Ultra-Thin Light Absorbing Layer and Transparent Cathode Architecture. <i>Advanced Energy Materials</i> , 2013, 3, 417-423.	19.5	141
9	Synthesis, Characterization, Charge Transport, and Photovoltaic Properties of Dithienobenzoquinoxaline- and Dithienobenzopyridopyrazine-Based Conjugated Polymers. <i>Macromolecules</i> , 2011, 44, 4752-4758.	4.8	111
10	Conjugated polymers based on C, Si and N-bridged dithiophene and thienopyrroledione units: synthesis, field-effect transistors and bulk heterojunction polymer solar cells. <i>Journal of Materials Chemistry</i> , 2011, 21, 3895.	6.7	110
11	High-mobility low-bandgap conjugated copolymers based on indacenodithiophene and thiadiazolo[3,4-c]pyridine units for thin film transistor and photovoltaic applications. <i>Journal of Materials Chemistry</i> , 2011, 21, 13247.	6.7	102
12	Benzobis(silolothiothiophene)-Based Low Bandgap Polymers for Efficient Polymer Solar Cells. <i>Chemistry of Materials</i> , 2011, 23, 765-767.	6.7	101
13	Synthesis, Characterization, and Photovoltaic Properties of Carbazole-Based Two-Dimensional Conjugated Polymers with Donor- $\pi$ -Bridge-Acceptor Side Chains. <i>Chemistry of Materials</i> , 2010, 22, 6444-6452.	6.7	95
14	Microcavity-Enhanced Light-Trapping for Highly Efficient Organic Parallel Tandem Solar Cells. <i>Advanced Materials</i> , 2014, 26, 6778-6784.	21.0	89
15	Halogen-free solvent processing for sustainable development of high efficiency organic solar cells. <i>Organic Electronics</i> , 2012, 13, 2870-2878.	2.6	82
16	Chemically Doped and Cross-linked Hole-Transporting Materials as an Efficient Anode Buffer Layer for Polymer Solar Cells. <i>Chemistry of Materials</i> , 2011, 23, 5006-5015.	6.7	73
17	Improved thin film morphology and bulk-heterojunction solar cell performance through systematic tuning of the surface energy of conjugated polymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 5587.	6.7	73
18	Strong Photocurrent Enhancements in Highly Efficient Flexible Organic Solar Cells by Adopting a Microcavity Configuration. <i>Advanced Materials</i> , 2014, 26, 3349-3354.	21.0	63

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19	Polymer Triplet Energy Levels Need Not Limit Photocurrent Collection in Organic Solar Cells. Journal of the American Chemical Society, 2012, 134, 19661-19668.	13.7	61
20	n-Doping of thermally polymerizable fullerenes as an electron transporting layer for inverted polymer solar cells. Journal of Materials Chemistry, 2011, 21, 6956.	6.7	60
21	Solution processed inverted tandem polymer solar cells with self-assembled monolayer modified interfacial layers. Applied Physics Letters, 2010, 97, .	3.3	44
22	Enhanced Light Harvesting by Integrating Synergetic Microcavity and Plasmonic Effects for High Performance ITO-Free Flexible Polymer Solar Cells. Advanced Functional Materials, 2015, 25, 567-574.	14.9	44
23	Highly efficient indacenodithiophene-based polymeric solar cells in conventional and inverted device configurations. Organic Electronics, 2011, 12, 794-801.	2.6	43
24	Tunable light harvesting polymers containing embedded dipolar chromophores for polymer solar cell applications. Journal of Polymer Science Part A, 2012, 50, 1362-1373.	2.3	18
25	Fully visible-light-harvesting conjugated polymers with pendant donor-acceptor chromophores for photovoltaic applications. Solar Energy Materials and Solar Cells, 2012, 97, 50-58.	6.2	16
26	Metal Nanoparticle Enhanced Organic Solar Cells: A Numerical Study of Structure Property Relationships. , 2011, , .		0