

# I-Che Wu

## List of Publications by Year in descending order

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28  
papers

1,764  
citations

394421

19  
h-index

552781

26  
g-index

30  
all docs

30  
docs citations

30  
times ranked

2947  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photostable Ratiometric Pdot Probe for in Vitro and in Vivo Imaging of Hypochlorous Acid. Journal of the American Chemical Society, 2017, 139, 6911-6918.	13.7	311
2	Multicolor Fluorescent Semiconducting Polymer Dots with Narrow Emissions and High Brightness. ACS Nano, 2013, 7, 376-384.	14.6	197
3	Simple organic molecules bearing a 3,4-ethylenedioxythiophene linker for efficient dye-sensitized solar cells. Chemical Communications, 2008, , 5152.	4.1	195
4	Squaraine-Based Polymer Dots with Narrow, Bright Near-Infrared Fluorescence for Biological Applications. Journal of the American Chemical Society, 2015, 137, 173-178.	13.7	145
5	Stable Functionalization of Small Semiconducting Polymer Dots via Covalent Cross-Linking and Their Application for Specific Cellular Imaging. Advanced Materials, 2012, 24, 3498-3504.	21.0	120
6	Hybrid Semiconducting Polymer Dot-Quantum Dot with Narrow-Band Emission, Near-Infrared Fluorescence, and High Brightness. Journal of the American Chemical Society, 2012, 134, 7309-7312.	13.7	113
7	Enhanced Performance and Air Stability of 3.2% Hybrid Solar Cells: How the Functional Polymer and CdTe Nanostructure Boost the Solar Cell Efficiency. Advanced Materials, 2011, 23, 5451-5455.	21.0	107
8	Optical painting and fluorescence activated sorting of single adherent cells labelled with photoswitchable Pdots. Nature Communications, 2016, 7, 11468.	12.8	85
9	Reversible Photoswitching of Spiropyran-Conjugated Semiconducting Polymer Dots. Analytical Chemistry, 2012, 84, 9431-9438.	6.5	80
10	Semiconducting polymer dots with bright narrow-band emission at 800 nm for biological applications. Chemical Science, 2017, 8, 3390-3398.	7.4	67
11	Superiority of Branched Side Chains in Spontaneous Nanowire Formation: Exemplified by Poly(3-methylbutylthiophene) for High-Performance Solar Cells. Small, 2011, 7, 1098-1107.	10.0	57
12	Highly photostable wide-dynamic-range pH sensitive semiconducting polymer dots enabled by dendronizing the near-IR emitters. Chemical Science, 2017, 8, 7236-7245.	7.4	48
13	Highly luminescent, homogeneous ZnO nanoparticles synthesized via semiconductive polyalkyloxythiophene template. Journal of Materials Chemistry, 2009, 19, 7284.	6.7	35
14	Lanthanide-Coordinated Semiconducting Polymer Dots Used for Flow Cytometry and Mass Cytometry. Angewandte Chemie - International Edition, 2017, 56, 14908-14912.	13.8	32
15	Homogeneous, surfactant-free gold nanoparticles encapsulated by polythiophene analogues. Chemical Communications, 2009, , 1996.	4.1	26
16	15-Crown-5 Functionalized Au Nanoparticles Synthesized via Single Molecule Exchange on Silica Nanoparticles: Its Application to Probe 15-Crown-5/K <sup>+</sup> /15-Crown-5 as Sandwiches as Linking Mechanisms. Journal of Physical Chemistry C, 2009, 113, 1686-1693.	3.1	23
17	Cu(i) chelated poly-alkoxythiophene enhancing photovoltaic device composed of a P3HT/PCBM heterojunction system. Journal of Materials Chemistry, 2008, 18, 4297.	6.7	22
18	Light-induced crosslinkable semiconducting polymer dots. Chemical Science, 2015, 6, 2102-2109.	7.4	22

#	ARTICLE	IF	CITATIONS
19	Yellow Fluorescent Semiconducting Polymer Dots with High Brightness, Small Size, and Narrow Emission for Biological Applications. <i>ACS Macro Letters</i> , 2014, 3, 1051-1054.	4.8	20
20	Semiconducting polymer dots with monofunctional groups. <i>Chemical Communications</i> , 2014, 50, 5604-5607.	4.1	15
21	A new recognition concept using dye sensitized solar cell configuration. <i>Chemical Communications</i> , 2011, 47, 985-987.	4.1	11
22	Copper(II)-doped semiconducting polymer dots for nitroxyl imaging in live cells. <i>RSC Advances</i> , 2016, 6, 103618-103621.	3.6	9
23	Improving the Photostability of Semiconducting Polymer Dots Using Buffers. <i>Analytical Chemistry</i> , 2018, 90, 11785-11790.	6.5	9
24	Ratiometric Barcoding for Mass Cytometry. <i>Analytical Chemistry</i> , 2018, 90, 10688-10694.	6.5	9
25	A New Series of Fluorescent Indicators for Super Acids. <i>Photochemistry and Photobiology</i> , 2015, 91, 654-659.	2.5	3
26	Lanthanide-Coordinated Semiconducting Polymer Dots Used for Flow Cytometry and Mass Cytometry. <i>Angewandte Chemie</i> , 2017, 129, 15104-15108.	2.0	3
27	Femtosecond Spectroscopy and Dynamics of the Azulenylsquaric Dye, a Near-Infrared Nonfluorogenic Quencher. <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 1275-1283.	1.4	0
28	Covalent Cross-Linking: Stable Functionalization of Small Semiconducting Polymer Dots via Covalent Cross-Linking and Their Application for Specific Cellular Imaging ( <i>Adv. Mater.</i> 26/2012). <i>Advanced Materials</i> , 2012, 24, 3577-3577.	21.0	0