

# Hsien-Hsin Chou

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/7838681/hsien-hsin-chou-publications-by-citations.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

46  
papers

2,596  
citations

29  
h-index

47  
g-index

47  
ext. papers

2,739  
ext. citations

7.5  
avg, IF

4.85  
L-index

#	Paper	IF	Citations
46	Recent developments in molecule-based organic materials for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 8734		337
45	Organic dyes containing furan moiety for high-performance dye-sensitized solar cells. <i>Organic Letters</i> , <b>2009</b> , 11, 97-100	6.2	190
44	Application of Cysteine Monolayers for Electrochemical Determination of Sub-ppb Copper(II). <i>Analytical Chemistry</i> , <b>1999</b> , 71, 1549-1552	7.8	155
43	Dipolar compounds containing fluorene and a heteroaromatic ring as the conjugating bridge for high-performance dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 3184-93	4.8	123
42	New Acetylene-Bridged 9,10-Conjugated Anthracene Sensitizers: Application in Outdoor and Indoor Dye-Sensitized Solar Cells. <i>Advanced Energy Materials</i> , <b>2017</b> , 7, 1700032	21.8	114
41	Organic dyes incorporating the dithieno[3,2-b:2',3'-d]thiophene moiety for efficient dye-sensitized solar cells. <i>Organic Letters</i> , <b>2010</b> , 12, 16-9	6.2	108
40	BODIPY dyes with $\pi$ -conjugation and their applications for high-efficiency inverted small molecule solar cells. <i>Chemical Communications</i> , <b>2012</b> , 48, 8913-5	5.8	86
39	2,6-Conjugated anthracene sensitizers for high-performance dye-sensitized solar cells. <i>Energy and Environmental Science</i> , <b>2013</b> , 6, 2477	35.4	83
38	Organic Dyes Containing a Cyanovinyl Entity in the Spacer for Solar Cells Applications. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 19739-19747	3.8	83
37	Arylamine-based dyes for p-type dye-sensitized solar cells. <i>Organic Letters</i> , <b>2011</b> , 13, 4930-3	6.2	79
36	High-performance dye-sensitized solar cells based on 5,6-bis-hexyloxy-benzo[2,1,3]thiadiazole. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 10929		76
35	Y-shaped metal-free D(A) <sub>2</sub> sensitizers for high-performance dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 3092	13	75
34	Squaraine-arylamine sensitizers for highly efficient p-type dye-sensitized solar cells. <i>Organic Letters</i> , <b>2012</b> , 14, 4726-9	6.2	74
33	Zinc Porphyrin-Ethynylaniline Conjugates as Novel Hole-Transporting Materials for Perovskite Solar Cells with Power Conversion Efficiency of 16.6%. <i>ACS Energy Letters</i> , <b>2016</b> , 1, 956-962	20.1	73
32	High-performance dye-sensitized solar cells based on phenothiazine dyes containing double anchors and thiophene spacers. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 357-66	4.5	71
31	A feasible scalable porphyrin dye for dye-sensitized solar cells under one sun and dim light environments. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11878-11887	13	68
30	Benzotriazole-containing D- $\pi$ -A conjugated organic dyes for dye-sensitized solar cells. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 809-16	4.5	51

29	Dibenzo[f,h]thieno[3,4-b] quinoxaline-based small molecules for efficient bulk-heterojunction solar cells. <i>Organic Letters</i> , <b>2009</b> , 11, 4898-901	6.2	48
28	Influence of Phenylethynylene of Push-Pull Zinc Porphyrins on the Photovoltaic Performance. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 3418-27	9.5	45
27	Porphyrin Dimers as Hole-Transporting Layers for High-Efficiency and Stable Perovskite Solar Cells. <i>ACS Energy Letters</i> , <b>2018</b> , 3, 1620-1626	20.1	44
26	Heteroleptic ruthenium sensitizers that contain an ancillary bipyridine ligand tethered with hydrocarbon chains for efficient dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 6781-8	4.8	42
25	Incorporating a new 2H-[1,2,3]triazolo[4,5-c]pyridine moiety to construct D-A- $\pi$ organic sensitizers for high performance solar cells. <i>Organic Letters</i> , <b>2014</b> , 16, 3052-5	6.2	41
24	Thieno[3,4-b]thiophene-based organic dyes for dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 5430-7	4.8	40
23	Synthesis, optical and electrochemical properties of pyridal[2,1,3]thiadiazole based organic dyes for dye sensitized solar cells. <i>Organic Electronics</i> , <b>2014</b> , 15, 378-390	3.5	38
22	Dihydrophenanthrene-based metal-free dyes for highly efficient cosensitized solar cells. <i>Organic Letters</i> , <b>2012</b> , 14, 3612-5	6.2	38
21	Synthesis and characterization of naphthalene diimide (NDI)-based near infrared chromophores with two-photon absorbing properties. <i>Tetrahedron</i> , <b>2010</b> , 66, 8629-8634	2.4	35
20	Naphtho[2,3-c][1,2,5]thiadiazole and 2H-Naphtho[2,3-d][1,2,3]triazole-Containing D-A- $\pi$ Conjugated Organic Dyes for Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6117-26	9.5	32
19	Benzothiadiazole-containing donor-acceptor-acceptor type organic sensitizers for solar cells with ZnO photoanodes. <i>Chemical Communications</i> , <b>2012</b> , 48, 12071-3	5.8	31
18	Organic dyes incorporating the dithieno[3,4-b;4,2',3':5,6]benzo[1,2-c]furan moiety for dye-sensitized solar cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 22612-21	9.5	29
17	Dipolar organic pyridyl dyes for dye-sensitized solar cell applications. <i>Tetrahedron</i> , <b>2012</b> , 68, 767-773	2.4	28
16	A remarkable enhancement of efficiency by co-adsorption with CDCA on the bithiazole-based dye-sensitized solar cells. <i>Organic Electronics</i> , <b>2013</b> , 14, 2546-2554	3.5	27
15	Naphthyl and thienyl units as bridges for metal-free dye-sensitized solar cells. <i>Chemistry - an Asian Journal</i> , <b>2012</b> , 7, 1074-84	4.5	27
14	Structurally Simple and Easily Accessible Perylenes for Dye-Sensitized Solar Cells Applicable to Both 1 Sun and Dim-Light Environments. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 37786-37796	9.5	25
13	Synthesis and Characterization of Novel $\pi$ Bis( N, N-diarylamino)-Substituted Porphyrin for Dye-Sensitized Solar Cells under 1 sun and Dim Light Conditions. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 39970-39982	9.5	24
12	Coplanar indenofluorene-based organic dyes for dye-sensitized solar cells. <i>Tetrahedron</i> , <b>2012</b> , 68, 7755-7762	7.6	21

11	Novel Organic Sensitizers Containing 2,6-Difunctionalized Anthracene Unit for Dye Sensitized Solar Cells. <i>Polymers</i> , <b>2012</b> , 4, 1443-1461	4.5	21
10	-Butylpyridine Coordination with [Cu(dmp)] Redox Couple and Its Connection to the Stability of the Dye-Sensitized Solar Cell. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 5812-5819	9.5	19
9	Synthesis and characterization of cyclometalated iridium(III) complexes containing pyrimidine-based ligands. <i>Journal of Organometallic Chemistry</i> , <b>2009</b> , 694, 2757-2769	2.3	17
8	First-Principle Determination of Electronic Coupling and Prediction of Charge Recombination Rates in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 983-992	3.8	14
7	Dye-sensitized solar cells based on (donor-acceptor) <sub>2</sub> dyes with dithiafulvalene as the donor. <i>Chemistry - an Asian Journal</i> , <b>2014</b> , 9, 1933-42	4.5	13
6	Reactions of Ruthenium Acetylide and Vinylidene Complexes Containing a 2-Pyridyl Group. <i>Organometallics</i> , <b>2008</b> , 27, 5212-5220	3.8	12
5	Reactions of ruthenium vinylidene and acetylide complexes containing trichloromethyl groups: preparation of a cyclobutenonyl complex by solid-state photolysis. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 3221-9	4.8	10
4	Anthracene Organic Sensitizer with Dual Anchors for Efficient and Robust Dye-Sensitized Solar Cells. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 5479-5486	6.1	9
3	Electron injection in TiO <sub>2</sub> films and quasi-solid state solar cells sensitized with a dipolar fluorene organic dye. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2013</b> , 251, 18-24	4.7	9
2	Thermal and angular dependence of next-generation photovoltaics under indoor lighting. <i>Progress in Photovoltaics: Research and Applications</i> , <b>2020</b> , 28, 111-121	6.8	8
1	Porphyrin-Based Simple and Practical Dopant-Free Hole-Transporting Materials for Efficient Perovskite Solar Cells Using TiO <sub>2</sub> Semiconductors. <i>Solar Rrl</i> , <b>2020</b> , 4, 2000119	7.1	3