Jiann T Lin

List of Publications by Year in Descending Order

92 papers	6,178 citations	42 h-index	78 g-index
92 ext. papers	6,450 ext. citations	7.1 avg, IF	5.68 L-index

#	Paper	IF	Citations
92	Influence of various dithienoheterocycles as conjugated linker in Naphtho[2,3-d] [1,2,3]triazole-based organic dyes for dye-sensitized solar cells. *Dyes and Pigments*, **2021**, 188, 109220	4.6	4
91	Orientation-Adjustable Metal-Organic Framework Nanorods for Efficient Oxygen Evolution Reaction. *ACS Applied Materials & Interfaces*, **2021**, 13, 28242-28251	9.5	6
90	Electroactive and Sustainable Cu-MOF/PEDOT Composite Electrocatalysts for Multiple Redox Mediators and for High-Performance Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2021**, 13, 8435-8444	9.5	6
89	Boron Nitride/Sulfonated Polythiophene Composite Electrocatalyst as the TCO and Pt-Free Counter Electrode for Dye-Sensitized Solar Cells: 21% at Dim Light. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 5251-5259	8.3	15
88	Organic dyes incorporating 9,10-dihydrophenanthrene moiety for dye-sensitized solar cells. *Molecular Crystals and Liquid Crystals*, **2020**, 703, 32-38	0.5	1
87	Cost-effective dopant-free star-shaped oligo-aryl amines for high performance perovskite solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 14209-14221	13	30
86	Tetraphenylethylene tethered phenothiazine-based double-anchored sensitizers for high performance dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2019**, 7, 23225-23233	13	33
85	Hierarchical urchin-like CoSe2/CoSeO3 electro-catalysts for dye-sensitized solar cells: up to 19% PCE under dim light illumination. *Journal of Materials Chemistry A*, **2019**, 7, 26089-26097	13	7
84	Metal-Free Sensitizers with a Perfluorohexyl Side Chain for Dye-Sensitized Solar Cells: Properties Alien to Alkyl Chains. *Asian Journal of Organic Chemistry*, **2018**, 7, 819-828	3	
83	Pyrazine-incorporating panchromatic sensitizers for dye sensitized solar cells under one sun and dim light. *Journal of Materials Chemistry A*, **2018**, 6, 13778-13789	13	58
82	Sensitizers for Aqueous-Based Solar Cells. *Chemistry - an Asian Journal*, **2017**, 12, 486-496	4.5	26
81	Reversed Y-shape di-anchoring sensitizers for dye sensitized solar cells based on benzimidazole core. *Dyes and Pigments*, **2017**, 140, 441-451	4.6	16
80	Multi-anchored sensitizers for dye-sensitized solar cells. *Sustainable Energy and Fuels*, **2017**, 1, 969-985	5.8	35
79	Metal-free branched alkyl tetrathienoacene (TTAR)-based sensitizers for high-performance dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 12310-12321	13	45
78	Hierarchical TiO1.1Se0.9-wrapped carbon cloth as the TCO-free and Pt-free counter electrode for iodide-based and cobalt-based dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2017**, 5, 14079-14091	13	23
77	Effective suppression of interfacial charge recombination by a 12-crown-4 substituent on a double-anchored organic sensitizer and rotating disk electrochemical evidence. *Journal of Materials Chemistry A*, **2017**, 5, 7586-7594	13	29
76	Benzimidazole/Pyridoimidazole-Based Organic Sensitizers for High-Performance Dye-Sensitized Solar Cells. *Chemistry - an Asian Journal*, **2017**, 12, 996-1004	4.5	12

75	Organic Photosensitizers Incorporating Rigid Benzo[1,2-b:6,5-b′]dithiophene Segment for High-Performance Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2017**, 9, 43739-43746	9.5	18
74	Organic Photosensitizers Incorporating Rigidified Dithieno[3,2-f:2′,3′-h]quinoxaline Segment Tethered with Thiophene Substitutes for Dye-Sensitized Solar Cells. *ACS Applied Materials & Interfaces*, **2016**, 8, 23066-73	9.5	23
73	A phenothiazine/dimesitylborane hybrid material as a bipolar transport host of red phosphor. *Journal of Materials Chemistry C*, **2016**, 4, 9499-9508	7.1	14
72	Near-Infrared-Absorbing and Dopant-Free Heterocyclic Quinoid-Based Hole-Transporting Materials for Efficient Perovskite Solar Cells. *ChemSusChem*, **2016**, 9, 3139-3144	8.3	21
71	Metal-Free Indeno[2,1-b]thiophene-Based Sensitizers for Dye-Sensitized Solar Cells. *Asian Journal of Organic Chemistry*, **2016**, 5, 801-811	3	2
70	Bipolar transport materials for electroluminescence applications. *Organic Electronics*, **2016**, 30, 265-274	3.5	4
69	Metal-Free Sensitizers for Dye-Sensitized Solar Cells. *Chemical Record*, **2016**, 16, 1311-36	6.6	54
68	Organic sensitizers with a rigid dithienobenzotriazole-based spacer for high-performance dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2016**, 4, 6553-6560	13	37
67	Organic Dyes Incorporating the Dithieno[3,2-f:2′,3′-h]quinoxaline Moiety for Dye-Sensitized Solar Cells. *ChemSusChem*, **2015**, 8, 2932-9	8.3	33
66	Organic dyes with a fused segment comprising benzotriazole and thieno[3,2-b]pyrrole entities as the conjugated spacer for high performance dye-sensitized solar cells. *Chemical Communications*, **2015**, 51, 17080-3	5.8	48
65	2H-[1,2,3]Triazolo[4,5-c]pyridine Cored Organic Dyes Achieving a High Efficiency: a Systematic Study of the Effect of Different Donors and π-Spacers. *ACS Applied Materials & Interfaces*, **2015**, 7, 22046-57	9.5	19
64	Sensitizers with rigidified-aromatics as the conjugated spacers for dye-sensitized solar cells. *Journal of Materials Chemistry C*, **2015**, 3, 9765-9780	7.1	100
63	Eugenic metal-free sensitizers with double anchors for high performance dye-sensitized solar cells. *Chemical Communications*, **2015**, 51, 2152-5	5.8	85
62	Anthracene/phenothiazine π-conjugated sensitizers for dye-sensitized solar cells using redox mediator in organic and water-based solvents. *ChemSusChem*, **2015**, 8, 105-13	8.3	34
61	Imidazole-Based Sensitizers Containing Double Anchors for Dye-Sensitized Solar Cells. *European Journal of Organic Chemistry*, **2015**, 2015, 7367-7377	3.2	23
60	High-performance aqueous/organic dye-sensitized solar cells based on sensitizers containing triethylene oxide methyl ether. *ChemSusChem*, **2015**, 8, 2503-13	8.3	55
59	Synthesis and characterization of novel symmetrical two-photon chromophores derived from bis(triphenylaminotetrathienoacenyl) and fused-thiophene units. *RSC Advances*, **2015**, 5, 54003-54010	3.7	7
58	Recent progress in organic sensitizers for dye-sensitized solar cells. *RSC Advances*, **2015**, 5, 23810-23825	3.7	181

57	High-performance dye-sensitized solar cells based on phenothiazine dyes containing double anchors and thiophene spacers. *Chemistry - an Asian Journal*, **2014**, 9, 357-66	4.5	71
56	Dye-sensitized solar cells based on (donor-acceptor)2 dyes with dithiafulvalene as the donor. *Chemistry - an Asian Journal*, **2014**, 9, 1933-42	4.5	13
55	Y-shaped metal-free D(A)2 sensitizers for high-performance dye-sensitized solar cells. *Journal of Materials Chemistry A*, **2014**, 2, 3092	13	75
54	Synthesis, optical and electrochemical properties of pyridal[2,1,3]thiadiazole based organic dyes for dye sensitized solar cells. *Organic Electronics*, **2014**, 15, 378-390	3.5	38
53	Phenothiazinedioxide-conjugated sensitizers and a dual-TEMPO/iodide redox mediator for dye-sensitized solar cells. *ChemSusChem*, **2014**, 7, 2221-9	8.3	12
52	Incorporating a new 2H-[1,2,3]triazolo[4,5-c]pyridine moiety to construct D-A-A organic sensitizers for high performance solar cells. *Organic Letters*, **2014**, 16, 3052-5	6.2	41
51	Ionic liquid with a dual-redox couple for efficient dye-sensitized solar cells. *ChemSusChem*, **2014**, 7, 146-53	8.3	30
50	Organic dyes incorporating the dithieno[3?,2?:3,4;2?,3?:5,6]benzo[1,2-c]furazan moiety for dye-sensitized solar cells. *ACS Applied Materials & Interfaces*, **2014**, 6, 22612-21	9.5	29
49	A remarkable enhancement of efficiency by co-adsorption with CDCA on the bithiazole-based dye-sensitized solar cells. *Organic Electronics*, **2013**, 14, 2546-2554	3.5	27
48	2,6-Conjugated anthracene sensitizers for high-performance dye-sensitized solar cells. *Energy and Environmental Science*, **2013**, 6, 2477	35.4	83
47	Benzotriazole-containing D-A conjugated organic dyes for dye-sensitized solar cells. *Chemistry - an Asian Journal*, **2013**, 8, 809-16	4.5	51
46	Materials for the active layer of organic photovoltaics: ternary solar cell approach. *ChemSusChem*, **2013**, 6, 20-35	8.3	121
45	Charge transporting enhancement of NiO photocathodes for p-type dye-sensitized solar cells. *Electrochimica Acta*, **2012**, 66, 210-215	6.7	28
44	Dipolar organic pyridyl dyes for dye-sensitized solar cell applications. *Tetrahedron*, **2012**, 68, 767-773	2.4	28
43	Squaraine-arylamine sensitizers for highly efficient p-type dye-sensitized solar cells. *Organic Letters* , **2012**, 14, 4726-9	6.2	74
42	High-performance dye-sensitized solar cells based on 5,6-bis-hexyloxy-benzo[2,1,3]thiadiazole. *Journal of Materials Chemistry*, **2012**, 22, 10929		76
41	Coplanar indenofluorene-based organic dyes for dye-sensitized solar cells. *Tetrahedron*, **2012**, 68, 7755-7762	2.4	21
40	Novel conjugated copolymers based on dithiafulvalene moiety for bulk heterojunction solar cells. *Journal of Polymer Science Part A*, **2012**, 50, 2121-2129	2.5	8

39	Dihydrophenanthrene-based metal-free dyes for highly efficient cosensitized solar cells. *Organic Letters*, **2012**, 14, 3612-5	6.2	38
38	Recent developments in molecule-based organic materials for dye-sensitized solar cells. *Journal of Materials Chemistry*, **2012**, 22, 8734		337
37	Naphthyl and thienyl units as bridges for metal-free dye-sensitized solar cells. *Chemistry - an Asian Journal*, **2012**, 7, 1074-84	4.5	27
36	Thieno[3,4-b]thiophene-based organic dyes for dye-sensitized solar cells. *Chemistry - A European Journal*, **2012**, 18, 5430-7	4.8	40
35	Novel Organic Sensitizers Containing 2,6-Difunctionalized Anthracene Unit for Dye Sensitized Solar Cells. *Polymers*, **2012**, 4, 1443-1461	4.5	21
34	Arylamine-based dyes for p-type dye-sensitized solar cells. *Organic Letters*, **2011**, 13, 4930-3	6.2	79
33	Novel fluorous amphiphilic heteroleptic Ru-based complexes for a dye-sensitized solar cell: the first fluorous bis-ponytailed amphiphilic Ru complexes. *Inorganic Chemistry*, **2011**, 50, 4289-94	5.1	22
32	Heteroleptic ruthenium sensitizers that contain an ancillary bipyridine ligand tethered with hydrocarbon chains for efficient dye-sensitized solar cells. *Chemistry - A European Journal*, **2011**, 17, 6781-8	4.8	42
31	Co-sensitization promoted light harvesting for plastic dye-sensitized solar cells. *Journal of Power Sources*, **2011**, 196, 2416-2421	8.9	56
30	Organic dyes incorporating the dithieno[3,2-b:2′,3′-d]thiophene moiety for efficient dye-sensitized solar cells. *Organic Letters*, **2010**, 12, 16-9	6.2	108
29	1-Alkyl-1H-imidazole-based dipolar organic compounds for dye-sensitized solar cells. *Chemistry - an Asian Journal*, **2010**, 5, 87-96	4.5	68
28	Dipolar compounds containing fluorene and a heteroaromatic ring as the conjugating bridge for high-performance dye-sensitized solar cells. *Chemistry - A European Journal*, **2010**, 16, 3184-93	4.8	123
27	Versatile, Benzimidazole/Amine-Based Ambipolar Compounds for Electroluminescent Applications: Single-Layer, Blue, Fluorescent OLEDs, Hosts for Single-Layer, Phosphorescent OLEDs. *Advanced Functional Materials*, **2009**, 19, 2661-2670	15.6	175
26	Organic dyes containing furan moiety for high-performance dye-sensitized solar cells. *Organic Letters*, **2009**, 11, 97-100	6.2	190
25	2,3-Disubstituted Thiophene-Based Organic Dyes for Solar Cells. *Chemistry of Materials*, **2008**, 20, 1830-1840	9.4	382
24	Pyrrole-Based Organic Dyes for Dye-Sensitized Solar Cells. *Journal of Physical Chemistry C*, **2008**, 112, 12557-12567	3.8	110
23	Organic Dyes Containing a Cyanovinyl Entity in the Spacer for Solar Cells Applications. *Journal of Physical Chemistry C*, **2008**, 112, 19739-19747	3.8	83
22	Donor-acceptor interactions in red-emitting thienylbenzene-branched dendrimers with benzothiadiazole core. *Chemistry - A European Journal*, **2008**, 14, 11231-41	4.8	29

21	Benzimidazole/amine-based compounds capable of ambipolar transport for application in single-layer blue-emitting OLEDs and as hosts for phosphorescent emitters. *Angewandte Chemie - International Edition*, **2008**, 47, 581-5	16.4	260
20	Organic Dyes Containing 1H-Phenanthro[9,10-d]imidazole Conjugation for Solar Cells. *Journal of Physical Chemistry C*, **2007**, 111, 18785-18793	3.8	135
19	Synthesis and characterization of new fluorescent two-photon absorption chromophores. *Journal of Materials Chemistry*, **2006**, 16, 850-857		42
18	Nonconjugated red-emitting dendrimers with p-type and/or n-type peripheries. *Organic Letters*, **2006**, 8, 2233-6	6.2	38
17	Organic Electroluminescent Bis(diarylamino) Dibenzofuran Derivatives. *Journal of the Chinese Chemical Society*, **2006**, 53, 1317-1324	1.5	3
16	Organic dyes containing thienylfluorene conjugation for solar cells. *Chemical Communications*, **2005** , 4098-100	5.8	182
15	High Tg blue emitting materials for electroluminescent devices. *Journal of Materials Chemistry*, **2005**, 15, 2455		81
14	Organic dyes incorporating low-band-gap chromophores for dye-sensitized solar cells. *Organic Letters*, **2005**, 7, 1899-902	6.2	411
13	Organic electroluminescent derivatives containing dibenzothiophene and diarylamine segments. *Journal of Materials Chemistry*, **2005**, 15, 3233		19
12	Hexaphenylphenylene dendronised pyrenylamines for efficient organic light-emitting diodes. *Journal of Materials Chemistry*, **2005**, 15, 4453		91
11	Energy harvesting star-shaped molecules for electroluminescence applications. *Chemical Communications*, **2004**, 2328-9	5.8	35
10	Light-Emitting Diodes Based on a Carbazole-Derivatized Dopant: Origin of Dopant Excitation as a Function of the Device Structure. *Chemistry of Materials*, **2002**, 14, 357-361	9.6	55
9	Electroluminescent bipolar compounds containing quinoxaline or pyridopyrazine and triarylamine segments. *Journal of Materials Chemistry*, **2002**, 12, 3516-3522		59
8	Blue-Emitting Anthracenes with End-Capping Diarylamines. *Chemistry of Materials*, **2002**, 14, 3860-3865	9.6	165
7	Diphenylthienylamine-Based Star-Shaped Molecules for Electroluminescence Applications. *Chemistry of Materials*, **2001**, 13, 2626-2631	9.6	68
6	Light-emitting carbazole derivatives: potential electroluminescent materials. *Journal of the American Chemical Society*, **2001**, 123, 9404-11	16.4	456
5	Near-Infrared Absorbing Organoruthenium Complexes: Crystal Violet Analogues. *Organometallics*, **1999**, 18, 320-327	3.8	13
4	Ferrocene End-Capped Palladium(II) and Platinum(II) Complexes with Thiophene Spacers. *Organometallics*, **1999**, 18, 5285-5291	3.8	41

3	Syntheses and Second-Order Optical Nonlinearity of Ruthenium Acetylides with an End-Capping Organic Electron Acceptor and Thienyl Entity in the Conjugation Chain. *Organometallics*, **1998**, 17, 2188-2198	3.8	50
2	Syntheses and Reactivity of Ruthenium Pyridylacetylides. *Organometallics*, **1997**, 16, 2038-2048	3.8	67
1	Conjugated Pyridines with an End-Capping Ferrocene. *Organometallics*, **1996**, 15, 5028-5034	3.8	47