

Chun-Ting Li

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.

64
papers

2,491
citations

30
h-index

49
g-index

65
ext. papers

2,758
ext. citations

9
avg, IF

5.28
L-index

#	Paper	IF	Citations
64	Dendritic-based co-adsorbents for dye-sensitized solar cells: Effect of the generations and alkyl chain lengths. <i>Synthetic Metals</i> , 2021 , 274, 116711	3.6	1
63	Orientation-Adjustable Metal-Organic Framework Nanorods for Efficient Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28242-28251	9.5	6
62	Electroactive and Sustainable Cu-MOF/PEDOT Composite Electrocatalysts for Multiple Redox Mediators and for High-Performance Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 8435-8444	9.5	6
61	Boron Nitride/Sulfonated Polythiophene Composite Electrocatalyst as the TCO and Pt-Free Counter Electrode for Dye-Sensitized Solar Cells: 21% at Dim Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 5251-5259	8.3	15
60	Structural Engineering on Pt-Free Electrocatalysts for Dye-Sensitized Solar Cells 2020 ,		1
59	Cost-effective dopant-free star-shaped oligo-aryl amines for high performance perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 14209-14221	13	30
58	Triazine-branched mono- and dianchoring organic dyes: Effect of acceptor arms on optical and photovoltaic properties. <i>Dyes and Pigments</i> , 2019 , 165, 182-192	4.6	3
57	Effect of electron rich linkers on the functional properties of dyes featuring dithieno[3,2-b:2',3'-d]pyrrole donor. <i>Dyes and Pigments</i> , 2019 , 160, 614-623	4.6	2
56	Synthesis and properties of polyurea/malonamide dendritic co-adsorbents for dye-sensitized solar cells. <i>Polymer</i> , 2019 , 179, 121673	3.9	3
55	Tetraphenylethylene tethered phenothiazine-based double-anchored sensitizers for high performance dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 23225-23233	13	33
54	Hierarchical urchin-like CoSe ₂ /CoSeO ₃ electro-catalysts for dye-sensitized solar cells: up to 19% PCE under dim light illumination. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26089-26097	13	7
53	Metal-Free Sensitizers with a Perfluorohexyl Side Chain for Dye-Sensitized Solar Cells: Properties Alien to Alkyl Chains. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 819-828	3	
52	Electrospun membranes of imidazole-grafted PVDF-HFP polymeric ionic liquids for highly efficient quasi-solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 14215-14223	13	23
51	Use of organic materials in dye-sensitized solar cells. <i>Materials Today</i> , 2017 , 20, 267-283	21.8	160
50	Sensitizers for Aqueous-Based Solar Cells. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 486-496	4.5	26
49	A paper-based electrode using a graphene dot/PEDOT:PSS composite for flexible solar cells. <i>Nano Energy</i> , 2017 , 36, 260-267	17.1	115
48	Hierarchical TiO _{1.1} Se _{0.9} -wrapped carbon cloth as the TCO-free and Pt-free counter electrode for iodide-based and cobalt-based dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14079-14092	13	23

47	Effective suppression of interfacial charge recombination by a 12-crown-4 substituent on a double-anchored organic sensitizer and rotating disk electrochemical evidence. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7586-7594	13	29
46	Solution-growth-synthesized Cu(In,Ga)Se 2 nanoparticles in ethanol bath for the applications of dye-sensitized solar cell and photoelectrochemical reaction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2017 , 74, 136-145	5.3	3
45	Benzimidazole/Pyridoimidazole-Based Organic Sensitizers for High-Performance Dye-Sensitized Solar Cells. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 996-1004	4.5	12
44	Metal-organic framework/sulfonated polythiophene on carbon cloth as a flexible counter electrode for dye-sensitized solar cells. <i>Nano Energy</i> , 2017 , 32, 19-27	17.1	90
43	Effect of electron-deficient linkers on the physical and photovoltaic properties of dithienopyrrole-based organic dyes. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 18404-18417	2.1	3
42	Organic Photosensitizers Incorporating Rigid Benzo[1,2-b:6,5-b']dithiophene Segment for High-Performance Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 43739-43748	9.5	34
41	Microemulsion-controlled synthesis of CoSe 2 /CoSeO 3 composite crystals for electrocatalysis in dye-sensitized solar cells. <i>Materials Today Energy</i> , 2017 , 6, 189-197	7	18
40	Organic dyes containing fluorenylidene functionalized phenothiazine donors as sensitizers for dye sensitized solar cells. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 12392-12404	2.1	3
39	Nitrogen-doped graphene/molybdenum disulfide composite as the electrocatalytic film for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2016 , 211, 164-172	6.7	17
38	ZnO double layer film with a novel organic sensitizer as an efficient photoelectrode for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016 , 325, 209-219	8.9	14
37	Multifunctional Iodide-Free Polymeric Ionic Liquid for Quasi-Solid-State Dye-Sensitized Solar Cells with a High Open-Circuit Voltage. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15267-78	9.5	34
36	MoSe2 nanosheet/poly(3,4-ethylenedioxythiophene): poly(styrenesulfonate) composite film as a Pt-free counter electrode for dye-sensitized solar cells. <i>Electrochimica Acta</i> , 2016 , 211, 794-803	6.7	30
35	Composite films of carbon black nanoparticles and sulfonated-polythiophene as flexible counter electrodes for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016 , 302, 155-163	8.9	60
34	Synthesis and characterization of thieno[3,4- d]imidazole-based organic sensitizers for photoelectrochemical cells. <i>Dyes and Pigments</i> , 2016 , 129, 60-70	4.6	8
33	Nanoclimbing-wall-like CoSe 2 /carbon composite film for the counter electrode of a highly efficient dye-sensitized solar cell: A study on the morphology control. <i>Nano Energy</i> , 2016 , 22, 594-606	17.1	67
32	A template-free synthesis of the hierarchical hydroxymethyl PEDOT tube-coral array and its application in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 384-394	13	28
31	Microemulsion-assisted Zinc Oxide Synthesis: Morphology Control and Its Applications in Photoanodes of Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , 2016 , 210, 483-491	6.7	17
30	Earth Abundant Silicon Composites as the Electrocatalytic Counter Electrodes for Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7037-46	9.5	24

29	Fluorene-based sensitizers with a phenothiazine donor: effect of mode of donor tethering on the performance of dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 2249-62	9.5	72
28	Synthesis and photovoltaic properties of organic dyes containing N-fluorene-2-yl dithieno[3,2-b:2',3'-d]pyrrole and different donors. <i>Organic Electronics</i> , 2015 , 26, 109-116	3.5	20
27	Catalytic and photoelectrochemical performances of Cu ₂ ZnSnSe thin films prepared using selenization of electrodeposited Cu ₂ ZnSn metal precursors. <i>Journal of Power Sources</i> , 2015 , 286, 47-57	8.9	11
26	Efficient titanium nitride/titanium oxide composite photoanodes for dye-sensitized solar cells and water splitting. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4695-4705	13	45
25	Iodide-free ionic liquid with dual redox couples for dye-sensitized solar cells with high open-circuit voltage. <i>ChemSusChem</i> , 2015 , 8, 1244-53	8.3	33
24	TCO-free conducting polymers/carbon cloths as the flexible electro-catalytic counter electrodes for dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24479-24486	13	31
23	Economical low-light photovoltaics by using the Pt-free dye-sensitized solar cell with graphene dot/PEDOT:PSS counter electrodes. <i>Nano Energy</i> , 2015 , 18, 109-117	17.1	85
22	Copper zinc tin sulfide as a catalytic material for counter electrodes in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 562-569	13	72
21	High-performance aqueous/organic dye-sensitized solar cells based on sensitizers containing triethylene oxide methyl ether. <i>ChemSusChem</i> , 2015 , 8, 2503-13	8.3	55
20	Graphite with Different Structures as Catalysts for Counter Electrodes in Dye-sensitized Solar Cells. <i>Electrochimica Acta</i> , 2015 , 179, 211-219	6.7	42
19	Electrocatalytic Zinc Composites as the Efficient Counter Electrodes of Dye-Sensitized Solar Cells: Study on the Electrochemical Performances and Density Functional Theory Calculations. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28254-63	9.5	39
18	Recent progress in organic sensitizers for dye-sensitized solar cells. <i>RSC Advances</i> , 2015 , 5, 23810-23825	3.7	181
17	Functional tuning of organic dyes containing 2,7-carbazole and other electron-rich segments in the conjugation pathway. <i>RSC Advances</i> , 2015 , 5, 17953-17966	3.7	18
16	Morphological Influence of Polypyrrole Nanoparticles on the Performance of Dye-Sensitized Solar Cells. <i>Electrochimica Acta</i> , 2015 , 155, 263-271	6.7	39
15	PEDOT-decorated nitrogen-doped graphene as the transparent composite film for the counter electrode of a dye-sensitized solar cell. <i>Nano Energy</i> , 2015 , 12, 374-385	17.1	73
14	Platinum-free counter electrode comprised of metal-organic-framework (MOF)-derived cobalt sulfide nanoparticles for efficient dye-sensitized solar cells (DSSCs). <i>Scientific Reports</i> , 2014 , 4, 6983	4.9	151
13	Ni ₃ Se ₄ hollow architectures as catalytic materials for the counter electrodes of dye-sensitized solar cells. <i>Nano Energy</i> , 2014 , 10, 201-211	17.1	65
12	Electrocatalytic SiC Nanoparticles/PEDOT:PSS Composite Thin Films as the Counter Electrodes of Dye-Sensitized Solar Cells. <i>ChemElectroChem</i> , 2014 , 1, 1031-1039	4.3	12

11	A coral-like film of Ni@NiS with core-shell particles for the counter electrode of an efficient dye-sensitized solar cell. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5816-5824	13	66
10	Synthesis of a novel amphiphilic polymeric ionic liquid and its application in quasi-solid-state dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20814-20822	13	27
9	Ionic liquid-doped poly(3,4-ethylenedioxythiophene) counter electrodes for dye-sensitized solar cells: Cationic and anionic effects on the photovoltaic performance. <i>Nano Energy</i> , 2014 , 9, 1-14	17.1	47
8	Organic dyes containing carbazole as donor and linker: optical, electrochemical, and photovoltaic properties. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2528-39	9.5	147
7	Functional tuning of phenothiazine-based dyes by a benzimidazole auxiliary chromophore: an account of optical and photovoltaic studies. <i>RSC Advances</i> , 2014 , 4, 53588-53601	3.7	33
6	Structure-performance correlations of organic dyes with an electron-deficient diphenylquinoxaline moiety for dye-sensitized solar cells. <i>Chemistry - A European Journal</i> , 2014 , 20, 10052-64	4.8	30
5	Structural engineering of dipolar organic dyes with an electron-deficient diphenylquinoxaline moiety for efficient dye-sensitized solar cells. <i>Tetrahedron</i> , 2014 , 70, 6276-6284	2.4	20
4	Organic dyes containing fluoren-9-ylidene chromophores for efficient dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5766	13	58
3	Electrocatalytic SiC Nanoparticles/PEDOT:PSS Composite Thin Films as the Counter Electrodes of Dye-Sensitized Solar Cells. <i>ChemElectroChem</i> , 2014 , 1, 961-961	4.3	
2	A composite film of TiS ₂ /PEDOT:PSS as the electrocatalyst for the counter electrode in dye-sensitized solar cells. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14888	13	54
1	ZnO nanowire/nanoparticles composite films for the photoanodes of quantum dot-sensitized solar cells. <i>Electrochimica Acta</i> , 2013 , 88, 35-43	6.7	38