

Yilin Li

List of Publications by Year in descending order

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39
papers

1,333
citations

331670

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345221

36
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docs citations

39
times ranked

1788
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution-Deposited and Patternable Conductive Polymer Thin-Film Electrodes for Microbial Bioelectronics. <i>Advanced Materials</i> , 2022, 34, e2109442.	21.0	20
2	Consensus statement: Standardized reporting of power-producing luminescent solar concentrator performance. <i>Joule</i> , 2022, 6, 8-15.	24.0	66
3	Eggshell membrane derived nitrogen rich porous carbon for selective electrosorption of nitrate from water. <i>Water Research</i> , 2022, 216, 118351.	11.3	24
4	Large-area luminescent solar concentrator utilizing donor-acceptor luminophore with nearly zero reabsorption: Indoor/outdoor performance evaluation. <i>Journal of Luminescence</i> , 2021, 231, 117837.	3.1	30
5	Side-Chain Engineering for High-Performance Conjugated Polymer Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2009263.	14.9	19
6	High-performance hybrid luminescent-scattering solar concentrators based on a luminescent conjugated polymer. <i>Polymer International</i> , 2021, 70, 475-482.	3.1	10
7	Rapid, Ambient Temperature Synthesis of Imine Covalent Organic Frameworks Catalyzed by Transition-Metal Nitrates. <i>Chemistry of Materials</i> , 2021, 33, 3394-3400.	6.7	26
8	Covalent Organic Frameworks for Batteries. <i>Advanced Functional Materials</i> , 2021, 31, 2100505.	14.9	154
9	A Preliminary Investigation on the Photothermal Properties of Luminescent Solar Concentrators. <i>Optics</i> , 2021, 2, 148-154.	1.2	1
10	Transformation of One-Dimensional Linear Polymers into Two-Dimensional Covalent Organic Frameworks Through Sequential Reversible and Irreversible Chemistries. <i>Chemistry of Materials</i> , 2021, 33, 413-419.	6.7	25
11	Mapping the Surface Heat of Luminescent Solar Concentrators. <i>Optics</i> , 2021, 2, 259-265.	1.2	1
12	Self-Absorption Analysis of Perovskite-Based Luminescent Solar Concentrators. <i>Electronic Materials</i> , 2021, 2, 545-552.	1.9	0
13	Improving the photostability of printed organic photovoltaics through luminescent solar concentrators. <i>Optical Materials</i> , 2020, 108, 110194.	3.6	8
14	Rapid Processing of Bottlebrush Coatings through UV-Induced Cross-Linking. <i>ACS Macro Letters</i> , 2020, 9, 1135-1142.	4.8	14
15	Elucidating the Influence of Side-Chain Circular Distribution on the Crack Onset Strain and Hole Mobility of Near-Amorphous Indacenodithiophene Copolymers. <i>Macromolecules</i> , 2020, 53, 7511-7518.	4.8	25
16	Boosting the cost-effectiveness of luminescent solar concentrators through subwavelength sanding treatment. <i>Solar Energy</i> , 2020, 198, 151-159.	6.1	13
17	TiO ₂ microspheres with cross-linked cyclodextrin coating exhibit improved stability and sustained photocatalytic degradation of bisphenol A in secondary effluent. <i>Water Research</i> , 2020, 183, 116095.	11.3	35
18	Regional measurements to analyze large-area luminescent solar concentrators. <i>Renewable Energy</i> , 2020, 160, 127-135.	8.9	10

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19	Improved Mechanical Durability of High-Performance OPVs Using Semi-Interpenetrating Networks. <i>Advanced Optical Materials</i> , 2020, 8, 2000516.	7.3	6
20	Spectral response of large-area luminescent solar concentrators. <i>Applied Optics</i> , 2020, 59, 8964.	1.8	6
21	Luminescent solar concentrators performing under different light conditions. <i>Solar Energy</i> , 2019, 188, 1248-1255.	6.1	29
22	Review on the Role of Polymers in Luminescent Solar Concentrators. <i>Journal of Polymer Science Part A</i> , 2019, 57, 201-215.	2.3	83
23	Low Elastic Modulus and High Charge Mobility of Low-Crystallinity Indacenodithiophene-Based Semiconducting Polymers for Potential Applications in Stretchable Electronics. <i>Macromolecules</i> , 2018, 51, 6352-6358.	4.8	80
24	Self-Assembled Amphiphilic Block Copolymers/CdTe Nanocrystals for Efficient Aqueous-Processed Hybrid Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 17942-17948.	8.0	32
25	An indacenodithiophene-based semiconducting polymer with high ductility for stretchable organic electronics. <i>Polymer Chemistry</i> , 2017, 8, 5185-5193.	3.9	38
26	Solution processed low- ϵ_k dielectric core-shell nanoparticles for additive manufacturing of microwave devices. <i>Journal of Applied Polymer Science</i> , 2017, 134, 45335.	2.6	4
27	Recent advances in high performance donor-acceptor polymers for organic photovoltaics. <i>Progress in Polymer Science</i> , 2017, 70, 34-51.	24.7	217
28	A structurally modified perylene dye for efficient luminescent solar concentrators. <i>Solar Energy</i> , 2016, 136, 668-674.	6.1	31
29	Estimating the theoretical limit of the power conversion efficiency of a luminescent solar concentrator device from the perspective of Shockley-Queisser limit. , 2015, , .		1
30	Enhancing the output current of a CdTe solar cell via a CN-free hydrocarbon luminescent down-shifting fluorophore with intramolecular energy transfer and restricted internal rotation characteristics. <i>Photochemical and Photobiological Sciences</i> , 2015, 14, 833-841.	2.9	11
31	A Specific Nucleophilic Ring-Opening Reaction of Aziridines as a Unique Platform for the Construction of Hydrogen Polysulfides Sensors. <i>Organic Letters</i> , 2015, 17, 2776-2779.	4.6	83
32	Theoretical modeling on luminescent down-shifting process: A Discussion on luminescent molecule design. , 2014, , .		0
33	Rational design of tetraphenylethylene-based luminescent down-shifting molecules: photophysical studies and photovoltaic applications in a CdTe solar cell from small to large units. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 26193-26202.	2.8	33
34	Tribological study of hydrolytically stable S-containing alkyl phenylboric esters as lubricant additives. <i>RSC Advances</i> , 2014, 4, 25118-25126.	3.6	26
35	Tuning photophysical properties of triphenylamine and aromatic cyano conjugate-based wavelength-shifting compounds by manipulating intramolecular charge transfer strength. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 251, 1-9.	3.9	62
36	Increasing the power output of a CdTe solar cell via luminescent down shifting molecules with intramolecular charge transfer and aggregation-induced emission characteristics. <i>Energy and Environmental Science</i> , 2013, 6, 2907.	30.8	51

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37	Physical, optical, electronic properties and mobility measurements of a new donor-acceptor donor oligomer. <i>Synthetic Metals</i> , 2012, 162, 1198-1203.	3.9	5
38	Synthesis and characterizations of benzothiadiazole-based fluorophores as potential wavelength-shifting materials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012, 231, 51-59.	3.9	44
39	XANES characteristics of tribofilms generated by dithiophosphate additive in water at different test temperatures and durations. <i>Surface and Interface Analysis</i> , 2009, 41, 779-784.	1.8	10