

# Wenlan Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7352907/publications.pdf>

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18  
papers

1,010  
citations

623734

14  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

1428  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsic efficiency limits in low-bandgap non-fullerene acceptor organic solar cells. <i>Nature Materials</i> , 2021, 20, 378-384.	27.5	257
2	Long-range exciton diffusion in molecular non-fullerene acceptors. <i>Nature Communications</i> , 2020, 11, 5220.	12.8	204
3	Ultrafast Exciton Self-Trapping upon Geometry Deformation in Perylene-Based Molecular Aggregates. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 792-796.	4.6	123
4	Assessment of TD $\hat{D}$ FT $\hat{C}$ and TD $\hat{C}$ H $\hat{F}$ $\hat{C}$ based approaches for the prediction of exciton coupling parameters, potential energy curves, and electronic characters of electronically excited aggregates. <i>Journal of Computational Chemistry</i> , 2011, 32, 1971-1981.	3.3	70
5	Identification of Ultrafast Relaxation Processes As a Major Reason for Inefficient Exciton Diffusion in Perylene-Based Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2014, 136, 9327-9337.	13.7	56
6	Comparison of the electronic structure of different perylene $\hat{C}$ based dye $\hat{C}$ aggregates. <i>Journal of Computational Chemistry</i> , 2012, 33, 1544-1553.	3.3	55
7	Chemical Design Rules for Non $\hat{C}$ Fullerene Acceptors in Organic Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2102363.	19.5	38
8	Functionalized Nickel Oxide Hole Contact Layers: Work Function versus Conductivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 39821-39829.	8.0	37
9	A general ansatz for constructing quasi-diabatic states in electronically excited aggregated systems. <i>Journal of Chemical Physics</i> , 2015, 143, 084106.	3.0	30
10	Reduced Intrinsic Non $\hat{C}$ Radiative Losses Allow Room $\hat{C}$ Temperature Triplet Emission from Purely Organic Emitters. <i>Advanced Materials</i> , 2021, 33, e2101844.	21.0	28
11	Explicitly correlated internally contracted multireference coupled-cluster singles and doubles theory: ic-MRCCSD(F12 $\hat{C}$ ). <i>Chemical Physics Letters</i> , 2013, 565, 122-127.	2.6	25
12	Origin of the $\hat{C}$ Spacing Change upon Doping of Semiconducting Polymers. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27983-27990.	3.1	25
13	Impact of Acceptor Quadrupole Moment on Charge Generation and Recombination in Blends of IDT $\hat{C}$ Based Non $\hat{C}$ Fullerene Acceptors with PCE10 as Donor Polymer. <i>Advanced Energy Materials</i> , 2021, 11, 2100839.	19.5	23
14	Influence of a polarizable surrounding on the electronically excited states of aggregated perylene materials. <i>Journal of Computational Chemistry</i> , 2016, 37, 1601-1610.	3.3	14
15	A model hamiltonian tuned toward high level $\hat{C}$ ab initio $\hat{C}$ calculations to describe the character of excitonic states in perylenebisimide aggregates. <i>Journal of Computational Chemistry</i> , 2018, 39, 1979-1989.	3.3	14
16	Molecular Origin of Balanced Bipolar Transport in Neat Layers of the Emitter CzDBA. <i>Advanced Materials Technologies</i> , 2021, 6, 2000120.	5.8	9
17	Chemical Design Rules for Non $\hat{C}$ Fullerene Acceptors in Organic Solar Cells ( <i>Adv. Energy Mater.</i> ) Tj ETQq1 1 0.784314,rgBT /Overlock	19.5	2
18	Ultrafast Energy Transfer Triggers Ionization Energy Offset Dependence of Quantum Efficiency in Low-bandgap Non-fullerene Acceptor Solar Cells. , 0, , .		0