

# Kun-Han Lin

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

660  
citations

566801

15  
h-index

610482

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct Observation of Aggregation-Induced Emission Mechanism. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 14903-14909.	7.2	85
2	Read between the Molecules: Computational Insights into Organic Semiconductors. <i>Journal of the American Chemical Society</i> , 2018, 140, 16370-16386.	6.6	79
3	Conjugated microporous polymers incorporating Thiazolo[5,4-d]thiazole moieties for Sunlight-Driven hydrogen production from water. <i>Chemical Engineering Journal</i> , 2022, 446, 137158.	6.6	48
4	Molecular Design and Operational Stability: Toward Stable 3D/2D Perovskite Interlayers. <i>Advanced Science</i> , 2020, 7, 2001014.	5.6	43
5	Getting the Right Twist: Influence of Donor-Acceptor Dihedral Angle on Exciton Kinetics and Singlet-Triplet Gap in Deep Blue Thermally Activated Delayed Fluorescence Emitter. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27778-27784.	1.5	40
6	Doped but Stable: Spirobisacridine Hole Transporting Materials for Hysteresis-Free and Stable Perovskite Solar Cells. <i>Journal of the American Chemical Society</i> , 2020, 142, 1792-1800.	6.6	39
7	Chemical Design Rules for Non-Fullerene Acceptors in Organic Solar Cells. <i>Advanced Energy Materials</i> , 2021, 11, 2102363.	10.2	38
8	A Rising Star: Truxene as a Promising Hole Transport Material in Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21729-21739.	1.5	32
9	Microstructure and properties of carbon-sulfur-containing chromium deposits electroplated in trivalent chromium baths with thiosalicylic acid. <i>Electrochimica Acta</i> , 2012, 72, 74-80.	2.6	31
10	Mechanisms of fluorescence quenching in prototypical aggregation-induced emission systems: excited state dynamics with TD-DFTB. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 9026-9035.	1.3	28
11	Catalytic hydrocracking of synthetic polymers into grid-compatible gas streams. <i>Cell Reports Physical Science</i> , 2021, 2, 100332.	2.8	28
12	Molecular library of OLED host materials-Evaluating the multiscale simulation workflow. <i>Chemical Physics Reviews</i> , 2021, 2, .	2.6	24
13	How does alkyl chain length modify the properties of triphenylamine-based hole transport materials?. <i>Journal of Materials Chemistry C</i> , 2018, 6, 960-965.	2.7	23
14	Lithiation mechanisms and lithium storage capacity of reduced graphene oxide nanoribbons: a first-principles study. <i>Journal of Materials Chemistry A</i> , 2017, 5, 4912-4922.	5.2	22
15	Multisubstituent and Substituent Effects on Charge Transport of Organic Hole Transport Materials. <i>Chemistry of Materials</i> , 2019, 31, 6605-6614.	3.2	21
16	Restriction Enzyme Analysis of Double-Stranded DNA on Pristine Single-Walled Carbon Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 37386-37395.	4.0	15
17	Virtual Screening for Organic Solar Cells and Light Emitting Diodes. <i>Advanced Science</i> , 2022, 9, e2200825.	5.6	13
18	Glass transition temperature prediction of disordered molecular solids. <i>Npj Computational Materials</i> , 2021, 7, .	3.5	11

#	ARTICLE	IF	CITATIONS
19	FB-REDA: fragment-based decomposition analysis of the reorganization energy for organic semiconductors. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 11881-11890.	1.3	10
20	Direct Observation of Aggregation-Induced Emission Mechanism. <i>Angewandte Chemie</i> , 2020, 132, 15013-15019.	1.6	9
21	Virtual Screening of TADF Emitters for Single-Layer OLEDs. <i>Frontiers in Chemistry</i> , 2021, 9, 800027.	1.8	7
22	Is a Single Conformer Sufficient to Describe the Reorganization Energy of Amorphous Organic Transport Materials?. <i>Journal of Physical Chemistry C</i> , 2021, 125, 17355-17362.	1.5	6
23	Structure-Property Relationships in Bithiophenes with Hydrogen-Bonded Substituents. <i>Chemistry - A European Journal</i> , 2021, 27, 3348-3360.	1.7	5
24	FB-ECDA: Fragment-based Electronic Coupling Decomposition Analysis for Organic Amorphous Semiconductors. <i>Journal of Physical Chemistry A</i> , 2020, 124, 10624-10634.	1.1	2
25	Catalytic Hydrocracking of Synthetic Polymers into Grid-Compatible Gas Streams. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0