

# Hao-Sheng Lin

## List of Publications by Year in descending order

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papers

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docs citations

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times ranked

848  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vapor-Assisted Ex-Situ Doping of Carbon Nanotube toward Efficient and Stable Perovskite Solar Cells. Nano Letters, 2019, 19, 2223-2230.	9.1	72
2	Achieving High Efficiency in Solution-Processed Perovskite Solar Cells Using C <sub>60</sub> /C <sub>70</sub> Mixed Fullerenes. ACS Applied Materials & Interfaces, 2018, 10, 39590-39598.	8.0	67
3	Stable and Reproducible 2D/3D Formamidinium-Lead-Iodide Perovskite Solar Cells. ACS Applied Energy Materials, 2019, 2, 2486-2493.	5.1	64
4	Functionalization of [60]fullerene through fullerene cation intermediates. Chemical Communications, 2018, 54, 11244-11259.	4.1	62
5	Controlled Redox of Lithium-Ion Endohedral Fullerene for Efficient and Stable Metal Electrode-Free Perovskite Solar Cells. Journal of the American Chemical Society, 2019, 141, 16553-16558.	13.7	61
6	Polyaromatic Nanotweezers on Semiconducting Carbon Nanotubes for the Growth and Interfacing of Lead Halide Perovskite Crystal Grains in Solar Cells. Chemistry of Materials, 2020, 32, 5125-5133.	6.7	45
7	Highly Selective and Scalable Fullerene-Cation-Mediated Synthesis Accessing Cyclo[60]fullerenes with Five-Membered Carbon Ring and Their Application to Perovskite Solar Cells. Chemistry of Materials, 2019, 31, 8432-8439.	6.7	44
8	Palladium-Catalyzed Decarboxylative ortho-Acylation of Benzamides with $\alpha$ -Oxocarboxylic Acids. Journal of Organic Chemistry, 2017, 82, 12715-12725.	3.2	36
9	Fullerene-Cation-Mediated Noble-Metal-Free Direct Introduction of Functionalized Aryl Groups onto [60]Fullerene. Organic Letters, 2018, 20, 3372-3376.	4.6	35
10	Denatured M13 Bacteriophage-templated Perovskite Solar Cells Exhibiting High Efficiency. Advanced Science, 2020, 7, 2000782.	11.2	31
11	Solvent-free iodine-promoted synthesis of 3,2-pyrrolyl spirooxindoles from alkylidene oxindoles and enamino esters under ball-milling conditions. Chemical Communications, 2017, 53, 12477-12480.	4.1	29
12	Triarylamine/Bithiophene Copolymer with Enhanced Quinoidal Character as Hole-transporting Material for Perovskite Solar Cells. Angewandte Chemie - International Edition, 2022, 61, .	13.8	29
13	Successively Regioselective Electrosynthesis and Electron Transport Property of Stable Multiply Functionalized [60]Fullerene Derivatives. Research, 2020, 2020, 2059190.	5.7	27
14	Regioselective acylation and carboxylation of [60]fulleroindoline via electrochemical synthesis. Organic Chemistry Frontiers, 2017, 4, 603-607.	4.5	26
15	Li@C <sub>60</sub> endohedral fullerene as a supraatomic dopant for C <sub>60</sub> electron-transporting layers promoting the efficiency of perovskite solar cells. Chemical Communications, 2019, 55, 11837-11839.	4.1	26
16	Genetic Manipulation of M13 Bacteriophage for Enhancing the Efficiency of Virus-inoculated Perovskite Solar Cells with a Certified Efficiency of 22.3%. Advanced Energy Materials, 2021, 11, 2101221.	19.5	20
17	High-Working-Pressure Sputtering of ZnO for Stable and Efficient Perovskite Solar Cells. ACS Applied Electronic Materials, 2019, 1, 389-396.	4.3	16
18	Multi-Functional MoO <sub>3</sub> Doping of Carbon-Nanotube Top Electrodes for Highly Transparent and Efficient Semi-transparent Perovskite Solar Cells. Advanced Materials Interfaces, 2022, 9, .	3.7	14

#	ARTICLE	IF	CITATIONS
19	The cyclopropanation of [60]fullerobenzofurans via electrocatalysis. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3248-3254.	2.8	12
20	One-step direct oxidation of fullerene-fused alkoxy ethers to ketones for evaporable fullerene derivatives. <i>Communications Chemistry</i> , 2021, 4, .	4.5	12
21	Highly Selective Synthesis of Tetrahydronaphthaleno[60]fullerenes via Fullerene-Cation-Mediated Intramolecular Cyclization. <i>Journal of Organic Chemistry</i> , 2019, 84, 16314-16322.	3.2	7
22	Cationic nitrogen-doped graphene as a p-type modifier for high-performance PEDOT:PSS hole transporters in organic solar cells. <i>Japanese Journal of Applied Physics</i> , 2021, 60, 070902.	1.5	6
23	Synthesis of Conjugated Donor-Acceptor Antiaromatic Porphyrins and Their Application to Perovskite Solar Cells. <i>Journal of Organic Chemistry</i> , 2021, , .	3.2	6
24	Scalable eDIPS-based single-walled carbon nanotube films for conductive transparent electrodes in organic solar cells. <i>Applied Physics Express</i> , 2022, 15, 046505.	2.4	2
25	Triarylamine/Bithiophene Copolymer with Enhanced Quinoidal Character as Hole-Transporting Material for Perovskite Solar Cells. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	2
26	Genetic Manipulation of M13 Bacteriophage for Enhancing the Efficiency of Virus-Inoculated Perovskite Solar Cells with a Certified Efficiency of 22.3% ( <i>Adv. Energy Mater.</i> 38/2021). <i>Advanced Energy Materials</i> , 2021, 11, 2170150.	19.5	1
27	(Invited) Highly Selective and Scalable Fullerene-Cation-Mediated Synthesis Accessing Cyclo[60]Fullerenes with 5-Membered-Carbon-Ring and Their Application to Perovskite Solar Cells. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 788-788.	0.0	0
28	Polyaromatic Anthracene Clenchers on Semiconducting Carbon Nanotubes for Growth and Bridging of Perovskite Crystal Grains in Perovskite Solar Cells. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 714-714.	0.0	0
29	(Invited) Toward Nanocarbon Materials-Based Organic and Perovskite Solar Cells. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 796-796.	0.0	0
30	(Invited) Evaporable Fullerene-Fused Ketone Via One-Step Direct Oxidation of Alkoxy to Ketone: Fullerene As a Redox Active Pendant. <i>ECS Meeting Abstracts</i> , 2022, MA2022-01, 812-812.	0.0	0