

# Chern-Hooi Lim

## List of Publications by Year in descending order

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36  
papers

4,049  
citations

201674

27  
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330143

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39  
docs citations

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times ranked

3653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational Design of Photocatalysts for Controlled Polymerization: Effect of Structures on Photocatalytic Activities. <i>Chemical Reviews</i> , 2022, 122, 5476-5518.	47.7	106
2	Radical Addition to <i>N,N</i> -Diaryl Dihydrophenazine Photoredox Catalysts and Implications in Photoinduced Organocatalyzed Atom Transfer Radical Polymerization. <i>Macromolecules</i> , 2021, 54, 4507-4516.	4.8	27
3	Dimethyl Dihydroacridines as Photocatalysts in Organocatalyzed Atom Transfer Radical Polymerization of Acrylate Monomers. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3209-3217.	13.8	98
4	Organocatalyzed Birch Reduction Driven by Visible Light. <i>Journal of the American Chemical Society</i> , 2020, 142, 13573-13581.	13.7	144
5	Titelbild: Dimethyl Dihydroacridines as Photocatalysts in Organocatalyzed Atom Transfer Radical Polymerization of Acrylate Monomers ( <i>Angew. Chem.</i> 8/2020). <i>Angewandte Chemie</i> , 2020, 132, 2937-2937.	2.0	0
6	Dimethyl Dihydroacridines as Photocatalysts in Organocatalyzed Atom Transfer Radical Polymerization of Acrylate Monomers. <i>Angewandte Chemie</i> , 2020, 132, 3235-3243.	2.0	25
7	Controlling Polymer Composition in Organocatalyzed Photoredox Radical Ring-Opening Polymerization of Vinylcyclopropanes. <i>Journal of the American Chemical Society</i> , 2019, 141, 13268-13277.	13.7	41
8	Energy Transfer to Ni-Amine Complexes in Dual Catalytic, Light-Driven C–N Cross-Coupling Reactions. <i>Journal of the American Chemical Society</i> , 2019, 141, 19479-19486.	13.7	118
9	Photoinduced Organocatalyzed Atom Transfer Radical Polymerization Using Low ppm Catalyst Loading. <i>Macromolecules</i> , 2019, 52, 747-754.	4.8	65
10	Guiding the Design of Organic Photocatalyst for PET-RAFT Polymerization: Halogenated Xanthene Dyes. <i>Macromolecules</i> , 2019, 52, 236-248.	4.8	105
11	Benzimidazoles as Metal-Free and Recyclable Hydrides for CO <sub>2</sub> Reduction to Formate. <i>Journal of the American Chemical Society</i> , 2019, 141, 272-280.	13.7	67
12	Phenothiazines, Dihydrophenazines, and Phenoxazines: Sustainable Alternatives to Precious-Metal-Based Photoredox Catalysts. <i>Aldrichimica Acta</i> , 2019, 52, 7-21.	4.0	17
13	Structure–Property Relationships for Tailoring Phenoxazines as Reducing Photoredox Catalysts. <i>Journal of the American Chemical Society</i> , 2018, 140, 5088-5101.	13.7	202
14	Predicting Hydride Donor Strength via Quantum Chemical Calculations of Hydride Transfer Activation Free Energy. <i>Journal of Physical Chemistry B</i> , 2018, 122, 1278-1288.	2.6	15
15	Visible-Light-Driven Conversion of CO <sub>2</sub> to CH <sub>4</sub> with an Organic Sensitizer and an Iron Porphyrin Catalyst. <i>Journal of the American Chemical Society</i> , 2018, 140, 17830-17834.	13.7	150
16	Renewable Hydride Donors for the Catalytic Reduction of CO <sub>2</sub> : A Thermodynamic and Kinetic Study. <i>Journal of Physical Chemistry B</i> , 2018, 122, 10179-10189.	2.6	13
17	Dynamic and Responsive DNA-like Polymers. <i>Journal of the American Chemical Society</i> , 2018, 140, 13594-13598.	13.7	45
18	Light-Driven Intermolecular Charge Transfer Induced Reactivity of Ethynylbenziodoxol(on)e and Phenols. <i>Journal of the American Chemical Society</i> , 2018, 140, 12829-12835.	13.7	61

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19	Câ€N Cross-Coupling via Photoexcitation of Nickelâ€Amine Complexes. Journal of the American Chemical Society, 2018, 140, 7667-7673.	13.7	176
20	Bistable and photoswitchable states of matter. Nature Communications, 2018, 9, 2804.	12.8	111
21	A user's guide to the thiol-thioester exchange in organic media: scope, limitations, and applications in material science. Polymer Chemistry, 2018, 9, 4523-4534.	3.9	78
22	Transition-Metal-Free, Visible-Light-Promoted Câ€S Cross-Coupling through Intermolecular Charge Transfer. Synlett, 2018, 29, 2449-2455.	1.8	15
23	Organocatalyzed Atom Transfer Radical Polymerization: Perspectives on Catalyst Design and Performance. Macromolecular Rapid Communications, 2017, 38, 1700040.	3.9	121
24	Dihydropteridine/Pteridine as a 2H <sup>+</sup> /2e <sup>-</sup> Redox Mediator for the Reduction of CO <sub>2</sub> to Methanol: A Computational Study. Journal of Physical Chemistry B, 2017, 121, 4158-4167.	2.6	13
25	Solvent effects on the intramolecular charge transfer character of <i>N,N</i> -diaryl dihydrophenazine catalysts for organocatalyzed atom transfer radical polymerization. Journal of Polymer Science Part A, 2017, 55, 3017-3027.	2.3	56
26	Intramolecular Charge Transfer and Ion Pairing in <i>N,N</i> -Diaryl Dihydrophenazine Photoredox Catalysts for Efficient Organocatalyzed Atom Transfer Radical Polymerization. Journal of the American Chemical Society, 2017, 139, 348-355.	13.7	207
27	Visible-Light-Promoted Câ€S Cross-Coupling via Intermolecular Charge Transfer. Journal of the American Chemical Society, 2017, 139, 13616-13619.	13.7	347
28	Frontispiece: Strongly Reducing, Visibleâ€Light Organic Photoredox Catalysts as Sustainable Alternatives to Precious Metals. Chemistry - A European Journal, 2017, 23, .	3.3	1
29	Strongly Reducing, Visibleâ€Light Organic Photoredox Catalysts as Sustainable Alternatives to Precious Metals. Chemistry - A European Journal, 2017, 23, 10962-10968.	3.3	196
30	Organocatalyzed atom transfer radical polymerization driven by visible light. Science, 2016, 352, 1082-1086.	12.6	649
31	Organocatalyzed Atom Transfer Radical Polymerization Using <i>N</i> -Aryl Phenoxazines as Photoredox Catalysts. Journal of the American Chemical Society, 2016, 138, 11399-11407.	13.7	300
32	Catalytic Reduction of CO <sub>2</sub> by Renewable Organohydrides. Journal of Physical Chemistry Letters, 2015, 6, 5078-5092.	4.6	59
33	Reduction of CO <sub>2</sub> to Methanol Catalyzed by a Biomimetic Organo-Hydride Produced from Pyridine. Journal of the American Chemical Society, 2014, 136, 16081-16095.	13.7	131
34	Visible-Light Organic Photocatalysis for Latent Radical-Initiated Polymerization via 2e <sup>-</sup> /1H <sup>+</sup> Transfers: Initiation with Parallels to Photosynthesis. Journal of the American Chemical Society, 2014, 136, 7418-7427.	13.7	78
35	Roles of the Lewis Acid and Base in the Chemical Reduction of CO <sub>2</sub> Catalyzed by Frustrated Lewis Pairs. Inorganic Chemistry, 2013, 52, 10062-10066.	4.0	58
36	Mechanism of Homogeneous Reduction of CO <sub>2</sub> by Pyridine: Proton Relay in Aqueous Solvent and Aromatic Stabilization. Journal of the American Chemical Society, 2013, 135, 142-154.	13.7	151