

# Mong Feng Chiou

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

760  
citations

759233

12  
h-index

610901

24  
g-index

26  
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26  
docs citations

26  
times ranked

563  
citing authors

#	ARTICLE	IF	CITATIONS
1	Copper-Catalyzed Radical 1,4-Difunctionalization of 1,3-Enynes with Alkyl Diacyl Peroxides and <i>tert</i> -Fluorobenzenesulfonimide. <i>Journal of the American Chemical Society</i> , 2019, 141, 548-559.	13.7	162
2	Copper-Catalyzed Enantioselective Radical 1,4-Difunctionalization of 1,3-Enynes. <i>Journal of the American Chemical Society</i> , 2020, 142, 18014-18021.	13.7	109
3	Iron-catalyzed carboazidation of alkenes and alkynes. <i>Nature Communications</i> , 2019, 10, 122.	12.8	83
4	Radical azidation as a means of constructing C(sp <sup>3</sup> )-N <sub>3</sub> bonds. <i>Green Synthesis and Catalysis</i> , 2020, 1, 86-120.	6.8	72
5	Iron-catalysed asymmetric carboazidation of styrenes. <i>Nature Catalysis</i> , 2021, 4, 28-35.	34.4	60
6	Copper-Catalyzed Radical Acyl-Cyanation of Alkenes with Mechanistic Studies on the <i>tert</i> -Butoxy Radical. <i>ACS Catalysis</i> , 2019, 9, 5191-5197.	11.2	50
7	Synthesis of difluoromethylated allenes through trifunctionalization of 1,3-enynes. <i>Nature Communications</i> , 2020, 11, 416.	12.8	44
8	Tuning Through-Bond Fe(III)/Fe(II) Coupling by Solvent Manipulation of a Central Ruthenium Redox Couple. <i>Inorganic Chemistry</i> , 2009, 48, 1857-1870.	4.0	26
9	Copper-Catalyzed Radical Enantioselective Carboesterification of Styrenes Enabled by a Perfluoroalkylated PyBox Ligand. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202202077.	13.8	21
10	1,4-Fluoroamination of 1,3-Enynes en Route to Fluorinated Allenes. <i>Organic Letters</i> , 2020, 22, 5261-5265.	4.6	19
11	Regioselective Three-Component Synthesis of Vicinal Diamines via 1,2-Diamination of Styrenes. <i>Organic Letters</i> , 2021, 23, 3184-3189.	4.6	17
12	Direct synthesis of pentasubstituted pyrroles and hexasubstituted pyrrolines from propargyl sulfonylamides and allenamides. <i>Chemical Science</i> , 2021, 12, 9162-9167.	7.4	15
13	Potential Energy Surface of O <sub>2</sub> (H <sub>2</sub> O) and Factors Controlling Water-to-O <sub>2</sub> Binding Motifs. <i>Journal of Physical Chemistry A</i> , 2011, 115, 99-104.	2.5	14
14	Radical 1,2,3-tricarbofunctionalization of $\alpha$ -vinyl- $\beta$ -ketoesters enabled by a carbon shift from an all-carbon quaternary center. <i>Chemical Science</i> , 2022, 13, 6836-6841.	7.4	13
15	Revealing the Iron-Catalyzed $\beta$ -Methyl Scission of <i>tert</i> -Butoxyl Radicals via the Mechanistic Studies of Carboazidation of Alkenes. <i>Molecules</i> , 2020, 25, 1224.	3.8	10
16	The Introduction of the Radical Cascade Reaction into Polymer Chemistry: A One-Step Strategy for Synchronized Polymerization and Modification. <i>IScience</i> , 2020, 23, 100902.	4.1	7
17	Iron phthalocyanine-catalyzed radical phosphinoylazidation of alkenes: A facile synthesis of $\beta$ -azido-phosphine oxide with a fast azido transfer step. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1634-1640.	14.0	7
18	Synthesis of unsymmetrically tetrasubstituted pyrroles and studies of AIEE in pyrrolo[1,2- <i>a</i> ]pyrimidine derivatives. <i>Chemical Science</i> , 2022, 13, 5667-5673.	7.4	7

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19	Effects of Iodine on the Relaxation Dynamics of a Photoexcited $\text{I}^{\bullet}(\text{H}_2\text{O})_4$ Cluster. <i>Journal of Physical Chemistry A</i> , 2013, 117, 13946-13953.	2.5	6
20	Multicomponent reactions of phosphines, enynedioates and benzylidene malononitriles generated highly substituted cyclopentenes through an unexpected phosphine $\text{I}^{\pm}$ -addition- $\text{I}^{\bullet}$ -evolvment of an anion pathway. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 2306-2317.	2.8	6
21	Impact of the Valence Charge of Transition Metals on the Cobalt- and Rhodium-Catalyzed Synthesis of Indenamines, Indenols, and Isoquinolinium Salts: A Catalytic Cycle Involving $\text{M}^{\text{III}}/\text{M}^{\text{V}}$ [M = Co, Rh] for [4 + 2] Annulation. <i>Journal of Organic Chemistry</i> , 2018, 83, 7814-7824.	3.2	6
22	Charge-transfer-to-solvent absorption spectra of $\text{I}^{\bullet}(\text{H}_2\text{O})_3^{\bullet-}$ at a finite temperature via simulation. <i>International Journal of Quantum Chemistry</i> , 2017, 117, e25404.	2.0	3
23	Exploring Water Binding Motifs to an Excess Electron via $\text{X}_2^{\bullet-}(\text{H}_2\text{O})$ [ $\text{X} = \text{O}, \text{F}$ ]. <i>Journal of Physical Chemistry A</i> , 2012, 116, 7694-7702.	2.5	2
24	Synthesis of Amidine Derivatives by Intermolecular Radical Addition to Nitrile Groups of AIBN Derivatives. <i>Synlett</i> , 2021, 32, 395-400.	1.8	1
25	Copper-catalyzed radical enantioselective carboxylation of styrenes enabled by a perfluoroalkylated PyBox ligand. <i>Angewandte Chemie</i> , 0, , .	2.0	0