

# Chun-Wai Tse

## List of Publications by Year in descending order

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14  
papers

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citations

933447

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#	ARTICLE	IF	CITATIONS
1	Highly Enantioselective Iron-Catalyzed <i>cis</i> -Dihydroxylation of Alkenes with Hydrogen Peroxide Oxidant via an Fe <sup>III</sup> -OOH Reactive Intermediate. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10253-10257.	13.8	89
2	Water oxidation catalysed by iron complex of <i>N,N</i> -dimethyl-2,11-diaza[3,3](2,6)pyridinophane. Spectroscopy of iron-oxo intermediates and density functional theory calculations. <i>Chemical Science</i> , 2015, 6, 5891-5903.	7.4	63
3	The effects of chelating N <sub>4</sub> ligand coordination on Co(II)-catalysed photochemical conversion of CO <sub>2</sub> to CO: reaction mechanism and DFT calculations. <i>Catalysis Science and Technology</i> , 2016, 6, 7408-7420.	4.1	59
4	Nonheme Iron Mediated Oxidation of Light Alkanes with Oxone: Characterization of Reactive Oxoiron(IV) Ligand Cation Radical Intermediates by Spectroscopic Studies and DFT Calculations. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 798-803.	13.8	54
5	Iron-Catalyzed Highly Enantioselective <i>cis</i> -Dihydroxylation of Trisubstituted Alkenes with Aqueous H <sub>2</sub> O <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16561-16571.	13.8	27
6	Chiral <i>cis</i> -iron(II) complexes with metal- and ligand-centered chirality for highly regio- and enantioselective alkylation of N-heteroaromatics. <i>Chemical Science</i> , 2020, 11, 684-693.	7.4	26
7	Highly Enantioselective Iron-Catalyzed <i>cis</i> -Dihydroxylation of Alkenes with Hydrogen Peroxide Oxidant via an Fe <sup>III</sup> -OOH Reactive Intermediate. <i>Angewandte Chemie</i> , 2016, 128, 10409-10413.	2.0	17
8	<i>cis</i> -Oxoruthenium complexes supported by chiral tetradentate amine (N <sub>4</sub> ) ligands for hydrocarbon oxidations. <i>Chemical Science</i> , 2018, 9, 2803-2816.	7.4	13
9	Selective catecholamine detection in living cells by a copper-mediated oxidative bond cleavage. <i>Chemical Science</i> , 2019, 10, 8519-8526.	7.4	12
10	Density Functional Theory Calculations on Oxidative C-C Bond Cleavage and N-O Bond Formation of [Ru <sup>II</sup> (bpy) <sub>2</sub> (diamine)] <sup>2+</sup> via Reactive Ruthenium Imide Intermediates. <i>Chemistry - A European Journal</i> , 2014, 20, 15122-15130.	3.3	5
11	<i>cis</i> -Dioxorhenium(V/VI) Complexes Supported by Neutral Tetradentate N <sub>4</sub> Ligands. Synthesis, Characterization, and Spectroscopy. <i>Inorganic Chemistry</i> , 2017, 56, 15066-15080.	4.0	4
12	Intramolecular Nitrene Insertion into Saturated C-H Bond-Mediated C-N Bond Cleavage of a Coordinated NHC Ligand. <i>Chemistry - A European Journal</i> , 2019, 25, 10828-10833.	3.3	4
13	Iron-Catalyzed Highly Enantioselective <i>cis</i> -Dihydroxylation of Trisubstituted Alkenes with Aqueous H <sub>2</sub> O <sub>2</sub> . <i>Angewandte Chemie</i> , 2020, 132, 16704.	2.0	1
14	Innentitelbild: Iron-Catalyzed Highly Enantioselective <i>cis</i> -Dihydroxylation of Trisubstituted Alkenes with Aqueous H <sub>2</sub> O <sub>2</sub> (Angew. Chem. 38/2020). <i>Angewandte Chemie</i> , 2020, 132, 16390-16390.	2.0	0