

Chun-Wai Tse

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	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
2	Innentitelbild: Iron-Catalyzed Highly Enantioselective <i>cis</i> -Dihydroxylation of Trisubstituted Alkenes with Aqueous H ₂ O ₂ (Angew. Chem. 38/2020). <i>Angewandte Chemie</i> , 2020, 132, 16390-16390.	2.0	0
3	Iron-Catalyzed Highly Enantioselective <i>cis</i> -Dihydroxylation of Trisubstituted Alkenes with Aqueous H ₂ O ₂ . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16561-16571.	13.8	27
4	Iron-Catalyzed Highly Enantioselective <i>cis</i> -Dihydroxylation of Trisubstituted Alkenes with Aqueous H ₂ O ₂ . <i>Angewandte Chemie</i> , 2020, 132, 16704.	2.0	1
5	Selective catecholamine detection in living cells by a copper-mediated oxidative bond cleavage. <i>Chemical Science</i> , 2019, 10, 8519-8526.	7.4	12
6	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
7	<i>cis</i> -Oxoruthenium complexes supported by chiral tetradentate amine (N ₄) ligands for hydrocarbon oxidations. <i>Chemical Science</i> , 2018, 9, 2803-2816.	7.4	13
8	<i>cis</i> -Dioxorhenium(V/VI) Complexes Supported by Neutral Tetradentate N ₄ Ligands. <i>Synthesis, Characterization, and Spectroscopy</i> . <i>Inorganic Chemistry</i> , 2017, 56, 15066-15080.	4.0	4
9	Highly Enantioselective Iron-Catalyzed <i>cis</i> -Dihydroxylation of Alkenes with Hydrogen Peroxide Oxidant via an Fe ^{III} -OOH Reactive Intermediate. <i>Angewandte Chemie</i> , 2016, 128, 10409-10413.	2.0	17
10	The effects of chelating N ₄ ligand coordination on Co(II)-catalysed photochemical conversion of CO ₂ to CO: reaction mechanism and DFT calculations. <i>Catalysis Science and Technology</i> , 2016, 6, 7408-7420.	4.1	59
11	Highly Enantioselective Iron-Catalyzed <i>cis</i> -Dihydroxylation of Alkenes with Hydrogen Peroxide Oxidant via an Fe ^{III} -OOH Reactive Intermediate. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10253-10257.	13.8	89
12	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
13	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
14	Density Functional Theory Calculations on Oxidative C-C Bond Cleavage and N-O Bond Formation of [Ru ^{II} (bpy) ₂ (diamine)] ²⁺ via Reactive Ruthenium Imide Intermediates. <i>Chemistry - A European Journal</i> , 2014, 20, 15122-15130.	3.3	5