

# Chun-Hsing Chen

## List of Publications by Year in descending order

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54  
papers

1,965  
citations

236833

25  
h-index

254106

43  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2608  
citing authors

#	ARTICLE	IF	CITATIONS
1	Doubly stereoconvergent crystallization enabled by asymmetric catalysis. <i>Science</i> , 2022, 376, 1224-1230.	6.0	26
2	Redox-Induced Structural Reorganization Dictates Kinetics of Cobalt(III) Hydride Formation via Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2021, 143, 3393-3406.	6.6	24
3	Polarity-Tolerant Chloride Binding in Foldamer Capsules by Programmed Solvent-Exclusion. <i>Journal of the American Chemical Society</i> , 2021, 143, 3191-3204.	6.6	32
4	Selecting Double Bond Positions with a Single Cation-Responsive Iridium Olefin Isomerization Catalyst. <i>Journal of the American Chemical Society</i> , 2021, 143, 2792-2800.	6.6	34
5	A Redox-Active Tetrazine-Based Pincer Ligand for the Reduction of N-Oxyanions Using a Redox-Inert Metal. <i>Chemistry - A European Journal</i> , 2021, 27, 11676-11681.	1.7	7
6	Pincers with diverse donors and their interconversion: application to Ni(II). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 1524-1529.	0.6	2
7	Chemo- and Stereospecific Solid-State Thermal Dimerization of Sodium trans-2-Butenoate and $\beta$ -Ray-Induced Single-Crystal-to-Single-Crystal Dimerization of Hexaaquamagnesium trans-2-Butenoate Dihydrate: Both Give rel-(3S,4R)-1-Hexene-3,4-dicarboxylate but by Different Mechanisms. Stereospecific $\beta$ -Ray-Induced Trimerization of Sodium trans-2-Butenoate. <i>Crystal Growth and Design</i> , 2021, 21, 663-682.	1.4	2
8	Hydrosilylation of an Iron(IV) Nitride Complex. <i>Inorganic Chemistry</i> , 2020, 59, 579-583.	1.9	8
9	Identifying and Evading Olefin Isomerization Catalyst Deactivation Pathways Resulting from Ion-Tunable Hemilability. <i>ACS Catalysis</i> , 2020, 10, 13019-13030.	5.5	8
10	Plug-and-Play Optical Materials from Fluorescent Dyes and Macrocycles. <i>CheM</i> , 2020, 6, 1978-1997.	5.8	124
11	Two-State Reactivity in Iron-Catalyzed Alkene Isomerization Confers $\beta$ -Base Resistance. <i>Journal of the American Chemical Society</i> , 2020, 142, 15527-15535.	6.6	36
12	Stabilization of the Dinitrogen Analogue, Phosphorus Nitride. <i>ACS Central Science</i> , 2020, 6, 1572-1577.	5.3	16
13	Unusual Dinitrogen Binding and Electron Storage in Dinuclear Iron Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 8147-8159.	6.6	24
14	Electrosynthetic Route to Cyclopentadienyl Rhenium Hydride Complexes Enabled by Electrochemical Investigations of their Redox-Induced Formation. <i>Organometallics</i> , 2020, 39, 1730-1743.	1.1	3
15	Nitrogen oxyanion reduction by Co( $\mu$ -O) augmented by a proton responsive ligand: recruiting multiple metals. <i>Dalton Transactions</i> , 2020, 49, 7891-7896.	1.6	13
16	Electrochemical C-H bond activation via cationic iridium hydride pincer complexes. <i>Chemical Science</i> , 2019, 10, 9326-9330.	3.7	4
17	Intramolecular Hydrogen Bonding Facilitates Electrocatalytic Reduction of Nitrite in Aqueous Solutions. <i>Inorganic Chemistry</i> , 2019, 58, 9443-9451.	1.9	40
18	Strong $\pi$ -Backbonding Enables Record Magnetic Exchange Coupling Through Cyanide. <i>Journal of the American Chemical Society</i> , 2019, 141, 17092-17097.	6.6	21

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19	Organometallic Elaboration as a Strategy for Tuning the Supramolecular Characteristics of Aza-Crown Ethers. <i>Organometallics</i> , 2019, 38, 4392-4398.	1.1	6
20	Selective deoxygenation of nitrate to nitrosyl using trivalent chromium and the Mashima reagent: reductive silylation. <i>Chemical Science</i> , 2019, 10, 475-479.	3.7	25
21	Gauging the Redox Non-Innocence of a Highly $\pi$ -Acidic Bis-Tetrazine Pincer Ligand. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2535-2542.	1.0	2
22	Reactivity of an Unusual Divalent Chromium Aggregate Supported by a Multifunctional Bis(pyrazolate) Pincer Ligand. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1932-1940.	1.0	9
23	A bis- $\pi$ -Pyrazolate Pincer on Reduced Cr Deoxygenates CO <sub>2</sub> : Selective Capture of the Derived Oxide by Cr II. <i>Chemistry - A European Journal</i> , 2019, 25, 7935-7940.	1.7	9
24	Dinitrogen Reduction to Ammonium at Rhenium Utilizing Light and Proton-Coupled Electron Transfer. <i>Journal of the American Chemical Society</i> , 2019, 141, 20198-20208.	6.6	62
25	Chloride capture using a C-H hydrogen-bonding cage. <i>Science</i> , 2019, 365, 159-161.	6.0	167
26	A Multifunctional Pincer Ligand for Cobalt-Promoted Oxidation by N <sub>2</sub> O. <i>Chemistry - A European Journal</i> , 2018, 24, 5962-5966.	1.7	15
27	Cyanostar: C-H Hydrogen Bonding Neutral Carrier Scaffold for Anion-Selective Sensors. <i>Analytical Chemistry</i> , 2018, 90, 1925-1933.	3.2	32
28	Seeking Redox Activity in a Tetrazinyl Pincer Ligand: Installing Zerovalent Cr and Mo. <i>Inorganic Chemistry</i> , 2018, 57, 12671-12682.	1.9	7
29	A flexible, redox-active macrocycle enables the electrocatalytic reduction of nitrate to ammonia by a cobalt complex. <i>Chemical Science</i> , 2018, 9, 4950-4958.	3.7	63
30	Ion-Pair Oligomerization of Chromogenic Triangulenium Cations with Cyanostar-Modified Anions That Controls Emission in Hierarchical Materials. <i>Journal of the American Chemical Society</i> , 2017, 139, 6226-6233.	6.6	37
31	Two-state reactivity in C-H activation by a four-coordinate iron(0) complex. <i>Chemical Communications</i> , 2017, 53, 1245-1248.	2.2	28
32	Arrested $\sigma$ -hydride migration activates a phosphido ligand for C-H insertion. <i>Chemical Communications</i> , 2017, 53, 412-415.	2.2	18
33	High-Fidelity Multistate Switching with Anion-Anion and Acid-Anion Dimers of Organophosphates in Cyanostar Complexes. <i>Angewandte Chemie</i> , 2017, 129, 13263-13267.	1.6	7
34	High-Fidelity Multistate Switching with Anion-Anion and Acid-Anion Dimers of Organophosphates in Cyanostar Complexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13083-13087.	7.2	48
35	Cyanide Ligand Assembly by Carbon Atom Transfer to an Iron Nitride. <i>Journal of the American Chemical Society</i> , 2017, 139, 14037-14040.	6.6	35
36	Deprotonation, Chloride Abstraction, and Dehydrohalogenation as Synthetic Routes to Bis-Pyrazolate Pyridyl Iron(II) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3999-4012.	1.0	19

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37	Room-Temperature Ring-Opening of Quinoline, Isoquinoline, and Pyridine with Low-Valent Titanium. <i>Journal of the American Chemical Society</i> , 2017, 139, 12804-12814.	6.6	24
38	Metal-mediated diradical tuning for DNA replication arrest via template strand scission. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7405-E7414.	3.3	11
39	Ligand Substituent Effects in Manganese Pyridinophane Complexes: Implications for Oxygen-Evolving Catalysis. <i>Inorganic Chemistry</i> , 2017, 56, 14315-14325.	1.9	22
40	A Bidentate Carbene Ligand Stabilizes a Low-Coordinate Iron(0) Carbonyl Complex. <i>Organometallics</i> , 2016, 35, 3069-3073.	1.1	30
41	BOIMPY: Fluorescent Boron Complexes with Tunable and Environment-Responsive Light-Emitting Properties. <i>Chemistry - A European Journal</i> , 2016, 22, 17321-17328.	1.7	37
42	Electroreductive Dimerization of Coumarin and Coumarin Analogues at Carbon Cathodes. <i>Journal of Organic Chemistry</i> , 2015, 80, 274-280.	1.7	30
43	Macromolecular Crystallography for Synthetic Abiological Molecules: Combining xMDFF and PHENIX for Structure Determination of Cyanostar Macrocycles. <i>Journal of the American Chemical Society</i> , 2015, 137, 8810-8818.	6.6	29
44	Electronic Structure and Reactivity of a Well-Defined Mononuclear Complex of Ti(II). <i>Inorganic Chemistry</i> , 2015, 54, 10380-10397.	1.9	34
45	Anion-induced dimerization of 5-fold symmetric cyanostars in 3D crystalline solids and 2D self-assembled crystals. <i>Chemical Communications</i> , 2014, 50, 9827.	2.2	54
46	Probing the Steric and Electronic Characteristics of a New Bis-Pyrrolide Pincer Ligand. <i>Inorganic Chemistry</i> , 2014, 53, 1361-1369.	1.9	46
47	Hydrophobic Collapse of Foldamer Capsules Drives Picomolar-Level Chloride Binding in Aqueous Acetonitrile Solutions. <i>Journal of the American Chemical Society</i> , 2013, 135, 14401-14412.	6.6	169
48	Understanding the competitive dehydroalkoxylation and dehydrogenation of ethers with Ti=C multiple bonds. <i>Chemical Science</i> , 2013, 4, 2543.	3.7	13
49	A pentagonal cyanostar macrocycle with cyanostilbene CH donors binds anions and forms dialkylphosphate [3]rotaxanes. <i>Nature Chemistry</i> , 2013, 5, 704-710.	6.6	345
50	Pd(II) nanoparticles in porous polystyrene: factors influencing the nanoparticle size and catalytic properties. <i>Journal of Materials Chemistry</i> , 2012, 22, 6441.	6.7	24
51	Charge Injection and Transport in Metal-Containing Conducting Polymers: Spectroelectrochemical Mapping of Redox Activities. <i>Chemistry of Materials</i> , 2012, 24, 3650-3658.	3.2	28
52	Probing the C-H Activation of Linear and Cyclic Ethers at (PNP)Ir. <i>Organometallics</i> , 2009, 28, 4560-4570.	1.1	47
53	Crystal and Molecular Structure of 1-Methyl-6-O-(p-toluenesulfonyl)- $\alpha$ -D-glucopyranoside Dihydrate. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 1172-1175.	1.2	0
54	Crystal and Molecular Structure of the bis-Ethyl Urethane of 5,7-Dodecadiyn-1,12-diol (ETCD). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 914-916.	1.2	2