

# Yu-Chiao Liu

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37  
papers

1,091  
citations

18  
h-index

33  
g-index

40  
ext. papers

1,265  
ext. citations

6.7  
avg, IF

4.19  
L-index

#	Paper	IF	Citations
37	Diindeno[2,1- <i>b</i> ]biphenylenes: Syntheses, Structural Analyses, and Properties. <i>Organic Letters</i> , <b>2021</b> , 23, 8794-8798	6.2	1
36	High-Frequency Fe-H and Fe-H Modes in a -Fe(H)(H) Complex: A Speed Record for Nuclear Resonance Vibrational Spectroscopy. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 555-559	5.1	1
35	Discrete Metal-Oxide Clusters with Organofunctionalization as High-Performance Anode Materials. <i>ACS Applied Energy Materials</i> , <b>2021</b> , 4, 643-654	6.1	0
34	Synthesis and Luminescence Properties of Two-Electron Bimetallic Cu-Ag and Cu-Au Nanoclusters via Copper Hydride Precursors. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 10799-10807	5.1	5
33	Helical Homometallic Trinickel String Complexes with Mixed Hard Nitrogen and Sulfur Donors: Structural and Magnetic Studies. <i>Bulletin of the Chemical Society of Japan</i> , <b>2021</b> , 94, 2092-2099	5.1	0
32	Vibrational characterization of a diiron bridging hydride complex - a model for hydrogen catalysis. <i>Chemical Science</i> , <b>2020</b> , 11, 5487-5493	9.4	9
31	Photoinduced NO and HNO Production from Mononuclear {FeNO} Complex Bearing a Pendant Thiol. <i>Journal of the American Chemical Society</i> , <b>2020</b> , 142, 8649-8661	16.4	15
30	Structures and paramagnetism of five heterometallic pentanuclear metal strings containing as many as four different metals: NiPtCoPd(tpda)Cl. <i>Dalton Transactions</i> , <b>2020</b> , 49, 7299-7303	4.3	4
29	Polymerization of Columnar Mesogens Tethered with Diacetylenic Side Chains. <i>ACS Applied Polymer Materials</i> , <b>2020</b> , 2, 248-255	4.3	6
28	Diindeno-Fused Dibenzo[a,h]anthracene and Dibenzo[c,l]chrysene: Syntheses, Structural Analyses, and Properties. <i>Chemistry - A European Journal</i> , <b>2019</b> , 25, 7280-7284	4.8	2
27	Synthesis of Bimetallic Copper-Rich Nanoclusters Encapsulating a Linear Palladium Dihydride Unit. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 4943-4947	16.4	20
26	Synthesis of Bimetallic Copper-Rich Nanoclusters Encapsulating a Linear Palladium Dihydride Unit. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 4997-5001	3.6	9
25	Identification of an Eight-Electron Superatomic Cluster and Its Alloy in One Co-crystal Structure. <i>Journal of Cluster Science</i> , <b>2018</b> , 29, 827-835	3	14
24	Synthesis of Two-Electron Bimetallic Cu-Ag and Cu-Au Clusters by using [Cu(S-CN-Bu)(C <sup>∞</sup> CPh)] as a Template. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 500-504	4.5	32
23	Bilayer Vesicles as a Noncovalent Immobilization Platform of Electrocatalysts for Energy Conversion in Neutral Aqueous Media. <i>ChemElectroChem</i> , <b>2018</b> , 5, 20-24	4.3	5
22	Electron Delocalization of Mixed-Valence Diiron Sites Mediated by Group 10 Metal Ions in Heterotrimetallic Fe-M-Fe (M=Ni, Pd, and Pt) Chain Complexes. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 11649-11666	4.8	12
21	Energy-Efficient Hydrogen Evolution by Fe-S Electrocatalysts: Mechanistic Investigations. <i>Inorganic Chemistry</i> , <b>2018</b> , 57, 7620-7630	5.1	2

20	Synthesis and structural characterization of inverse-coordination clusters from a two-electron superatomic copper nanocluster. <i>Chemical Science</i> , <b>2018</b> , 9, 6785-6795	9.4	33
19	Heteroatom-Doping Increases Cluster Nuclearity: From an [Ag] to an [Au Ag] Core. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 14352-14357	4.8	23
18	Eight-Electron Silver and Mixed Gold/Silver Nanoclusters Stabilized by Selenium Donor Ligands. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 10178-10182	16.4	93
17	Eight-Electron Silver and Mixed Gold/Silver Nanoclusters Stabilized by Selenium Donor Ligands. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 10312-10316	3.6	29
16	[Cu {S CN Bu} (acetylide)] : A Two-Electron Superatom. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 14704-14708	16.4	68
15	[Cu <sub>13</sub> {S <sub>2</sub> CNnBu <sub>2</sub> } <sub>6</sub> (acetylide) <sub>4</sub> ] <sup>+</sup> : A Two-Electron Superatom. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 14924-14928	4.8	26
14	[Ag <sub>20</sub> {S <sub>2</sub> P(OR) <sub>2</sub> } <sub>12</sub> ]: A Superatom Complex with a Chiral Metallic Core and High Potential for Isomerism. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 9943-7	4.8	76
13	Utilization of Non-Innocent Redox Ligands in [FeFe] Hydrogenase Modeling for Hydrogen Production. <i>Comments on Inorganic Chemistry</i> , <b>2016</b> , 36, 141-181	3.9	15
12	Protonation/Reduction of Carbonyl-Rich Diiron Complexes and the Direct Observation of Triprotonated Species: Insights into the Electrocatalytic Mechanism of Hydrogen Formation. <i>ACS Catalysis</i> , <b>2016</b> , 6, 2559-2576	13.1	16
11	[Cu <sub>32</sub> (H) <sub>20</sub> {S <sub>2</sub> P(OiPr) <sub>2</sub> } <sub>12</sub> ]: The Largest Number of Hydrides Recorded in a Molecular Nanocluster by Neutron Diffraction. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 8369-74	4.8	85
10	Diselenophosphate-Induced Conversion of an Achiral [Cu <sub>20</sub> H <sub>11</sub> {S <sub>2</sub> P(OiPr) <sub>2</sub> } <sub>9</sub> ] into a Chiral [Cu <sub>20</sub> H <sub>11</sub> {Se <sub>2</sub> P(OiPr) <sub>2</sub> } <sub>9</sub> ] Polyhydrido Nanocluster. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 13604-8	16.4	74
9	[Ag <sub>21</sub> {S <sub>2</sub> P(OiPr) <sub>2</sub> } <sub>12</sub> ] <sup>+</sup> : An Eight-Electron Superatom. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 3773-3777	3.6	58
8	Diselenophosphate-Induced Conversion of an Achiral [Cu <sub>20</sub> H <sub>11</sub> {S <sub>2</sub> P(OiPr) <sub>2</sub> } <sub>9</sub> ] into a Chiral [Cu <sub>20</sub> H <sub>11</sub> {Se <sub>2</sub> P(OiPr) <sub>2</sub> } <sub>9</sub> ] Polyhydrido Nanocluster. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 13808-13812	3.6	18
7	A reversible proton relay process mediated by hydrogen-bonding interactions in [FeFe]hydrogenase modeling. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10978-82	4.8	8
6	[Ag <sub>21</sub> {S <sub>2</sub> P(OiPr) <sub>2</sub> } <sub>12</sub> ] <sup>+</sup> : an eight-electron superatom. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 3702-6	16.4	188
5	[FeFe] hydrogenase active site modeling: a key intermediate bearing a thiolate proton and Fe hydride. <i>Chemical Communications</i> , <b>2013</b> , 49, 4743-5	5.8	34
4	Electron delocalization from the fullerene attachment to the diiron core within the active-site mimics of [FeFe]hydrogenase. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 5997-9	5.1	37
3	Influence of a Redox-Active Phosphane Ligand on the Oxidations of a Diiron Core Related to the Active Site of Fe-Only Hydrogenase. <i>European Journal of Inorganic Chemistry</i> , <b>2011</b> , 2011, 1155-1162	2.3	39

- 2 Influences on the rotated structure of diiron dithiolate complexes: electronic asymmetry vs. secondary coordination sphere interaction. *Dalton Transactions*, **2011**, 40, 2528-41 4.3 18
- 1 Secondary coordination sphere interactions within the biomimetic iron azadithiolate complexes related to Fe-only hydrogenase: dynamic measure of electron density about the Fe sites. *Inorganic Chemistry*, **2010**, 49, 6409-20 5.1 16