

Yu-Chiao Liu

List of Publications by Citations

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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	[Ag ₂₁ {S ₂ P(OiPr) ₂ }] ₁₂ ⁺ : an eight-electron superatom. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 3702-6	16.4	188
36	Eight-Electron Silver and Mixed Gold/Silver Nanoclusters Stabilized by Selenium Donor Ligands. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10178-10182	16.4	93
35	[Cu ₃₂ (H) ₂₀ {S ₂ P(OiPr) ₂ }] ₁₂ : The Largest Number of Hydrides Recorded in a Molecular Nanocluster by Neutron Diffraction. <i>Chemistry - A European Journal</i> , 2015 , 21, 8369-74	4.8	85
34	[Ag ₂₀ {S ₂ P(OR) ₂ }] ₁₂ : A Superatom Complex with a Chiral Metallic Core and High Potential for Isomerism. <i>Chemistry - A European Journal</i> , 2016 , 22, 9943-7	4.8	76
33	Diselenophosphate-Induced Conversion of an Achiral [Cu ₂₀ H ₁₁ {S ₂ P(OiPr) ₂ }] ₉ into a Chiral [Cu ₂₀ H ₁₁ {Se ₂ P(OiPr) ₂ }] ₉ Polyhydrido Nanocluster. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 13604-8	16.4	74
32	[Cu{S(CN)Bu}(acetylide)]: A Two-Electron Superatom. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14704-14708	16.4	68
31	[Ag ₂₁ {S ₂ P(OiPr) ₂ }] ₁₂ ⁺ : An Eight-Electron Superatom. <i>Angewandte Chemie</i> , 2015 , 127, 3773-3777	3.6	58
30	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> , 2011 , 2011, 1155-1162	2.3	39
29	Electron delocalization from the fullerene attachment to the diiron core within the active-site mimics of [FeFe]hydrogenase. <i>Inorganic Chemistry</i> , 2012 , 51, 5997-9	5.1	37
28	[FeFe] hydrogenase active site modeling: a key intermediate bearing a thiolate proton and Fe hydride. <i>Chemical Communications</i> , 2013 , 49, 4743-5	5.8	34
27	Synthesis and structural characterization of inverse-coordination clusters from a two-electron superatomic copper nanocluster. <i>Chemical Science</i> , 2018 , 9, 6785-6795	9.4	33
26	Synthesis of Two-Electron Bimetallic Cu-Ag and Cu-Au Clusters by using [Cu(S(CN)Bu)(C [∞] CPh)] as a Template. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 500-504	4.5	32
25	Eight-Electron Silver and Mixed Gold/Silver Nanoclusters Stabilized by Selenium Donor Ligands. <i>Angewandte Chemie</i> , 2017 , 129, 10312-10316	3.6	29
24	[Cu ₁₃ {S ₂ CNNBu ₂ }] ₆ (acetylide) ₄ ⁺ : A Two-Electron Superatom. <i>Angewandte Chemie</i> , 2016 , 128, 14924-14928	16.4	26
23	Heteroatom-Doping Increases Cluster Nuclearity: From an [Ag] to an [AuAg] Core. <i>Chemistry - A European Journal</i> , 2018 , 24, 14352-14357	4.8	23
22	Synthesis of Bimetallic Copper-Rich Nanoclusters Encapsulating a Linear Palladium Dihydride Unit. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 4943-4947	16.4	20
21	Diselenophosphate-Induced Conversion of an Achiral [Cu ₂₀ H ₁₁ {S ₂ P(OiPr) ₂ }] ₉ into a Chiral [Cu ₂₀ H ₁₁ {Se ₂ P(OiPr) ₂ }] ₉ Polyhydrido Nanocluster. <i>Angewandte Chemie</i> , 2015 , 127, 13808-13812	3.6	18

20	Influences on the rotated structure of diiron dithiolate complexes: electronic asymmetry vs. secondary coordination sphere interaction. <i>Dalton Transactions</i> , 2011 , 40, 2528-41	4.3	18
19	Secondary coordination sphere interactions within the biomimetic iron azadithiolate complexes related to Fe-only hydrogenase: dynamic measure of electron density about the Fe sites. <i>Inorganic Chemistry</i> , 2010 , 49, 6409-20	5.1	16
18	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> , 2016 , 6, 2559-2576	13.1	16
17	Photoinduced NO and HNO Production from Mononuclear {FeNO} Complex Bearing a Pendant Thiol. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8649-8661	16.4	15
16	Utilization of Non-Innocent Redox Ligands in [FeFe] Hydrogenase Modeling for Hydrogen Production. <i>Comments on Inorganic Chemistry</i> , 2016 , 36, 141-181	3.9	15
15	Identification of an Eight-Electron Superatomic Cluster and Its Alloy in One Co-crystal Structure. <i>Journal of Cluster Science</i> , 2018 , 29, 827-835	3	14
14	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> , 2018 , 24, 11649-11666	4.8	12
13	Vibrational characterization of a diiron bridging hydride complex - a model for hydrogen catalysis. <i>Chemical Science</i> , 2020 , 11, 5487-5493	9.4	9
12	Synthesis of Bimetallic Copper-Rich Nanoclusters Encapsulating a Linear Palladium Dihydride Unit. <i>Angewandte Chemie</i> , 2019 , 131, 4997-5001	3.6	9
11	A reversible proton relay process mediated by hydrogen-bonding interactions in [FeFe]hydrogenase modeling. <i>Chemistry - A European Journal</i> , 2015 , 21, 10978-82	4.8	8
10	Polymerization of Columnar Mesogens Tethered with Diacetylenic Side Chains. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 248-255	4.3	6
9	Bilayer Vesicles as a Noncovalent Immobilization Platform of Electrocatalysts for Energy Conversion in Neutral Aqueous Media. <i>ChemElectroChem</i> , 2018 , 5, 20-24	4.3	5
8	Synthesis and Luminescence Properties of Two-Electron Bimetallic Cu-Ag and Cu-Au Nanoclusters via Copper Hydride Precursors. <i>Inorganic Chemistry</i> , 2021 , 60, 10799-10807	5.1	5
7	Structures and paramagnetism of five heterometallic pentanuclear metal strings containing as many as four different metals: NiPtCoPd(tpda)Cl. <i>Dalton Transactions</i> , 2020 , 49, 7299-7303	4.3	4
6	Diindeno-Fused Dibenzo[a,h]anthracene and Dibenzo[c,l]chrysene: Syntheses, Structural Analyses, and Properties. <i>Chemistry - A European Journal</i> , 2019 , 25, 7280-7284	4.8	2
5	Energy-Efficient Hydrogen Evolution by Fe-S Electrocatalysts: Mechanistic Investigations. <i>Inorganic Chemistry</i> , 2018 , 57, 7620-7630	5.1	2
4	Diindeno[2,1-2T1T]biphenylenes: Syntheses, Structural Analyses, and Properties. <i>Organic Letters</i> , 2021 , 23, 8794-8798	6.2	1
3	High-Frequency Fe-H and Fe-H Modes in a -Fe(ĤH)(H) Complex: A Speed Record for Nuclear Resonance Vibrational Spectroscopy. <i>Inorganic Chemistry</i> , 2021 , 60, 555-559	5.1	1

- 2 Discrete Metal-Oxide Clusters with Organofunctionalization as High-Performance Anode Materials. *ACS Applied Energy Materials*, **2021**, 4, 643-654 6.1 ○
- 1 Helical Homometallic Trinickel String Complexes with Mixed Hard Nitrogen and Sulfur Donors: Structural and Magnetic Studies. *Bulletin of the Chemical Society of Japan*, **2021**, 94, 2092-2099 5.1 ○