

Yi-Chou Tsai

List of Publications by Year in descending order

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40
papers

1,961
citations

236833

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docs citations

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times ranked

1319
citing authors

#	ARTICLE	IF	CITATIONS
1	The chemistry of univalent metal $\hat{\text{I}}^2$ -diketiminates. <i>Coordination Chemistry Reviews</i> , 2012, 256, 722-758.	9.5	206
2	Remarkably Short Metal-Metal Bonds: A Lantern-Type Quintuply Bonded Dichromium(I) Complex. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 7250-7253.	7.2	153
3	Quintuply-Bonded Dichromium(I) Complexes Featuring Metal-Metal Bond Lengths of 1.74 Å... <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9933-9936.	7.2	150
4	Cuprophilic Interactions in and between Molecular Entities. <i>Chemistry - A European Journal</i> , 2019, 25, 8936-8954.	1.7	122
5	Journey from Mo-Mo Quadruple Bonds to Quintuple Bonds. <i>Journal of the American Chemical Society</i> , 2009, 131, 12534-12535.	6.6	106
6	Inverted-Sandwich Dichromium(I) Complexes Supported by Two $\hat{\text{I}}^2$ -Diketiminates: A Multielectron Reductant and Syntheses of Chromium Dioxo and Imido. <i>Journal of the American Chemical Society</i> , 2007, 129, 8066-8067.	6.6	98
7	Synthesis and reactions of $\hat{\text{I}}^2$ -diketiminato divanadium(V) inverted-sandwich complexes. <i>Chemical Communications</i> , 2008, , 205-207.	2.2	76
8	Structural transformations in dinuclear zinc complexes involving Zn-Zn bonds. <i>Chemical Communications</i> , 2007, , 4125.	2.2	74
9	Reactions of Metal-Metal Quintuple Bonds with Alkynes: $[2+2+2]$ and $[2+2]$ Cycloadditions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 10342-10346.	7.2	71
10	Bond Characterization on a Cr-Cr Quintuple Bond: A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2011, 115, 12602-12615.	1.1	61
11	Stepwise Construction of the Cr-Cr Quintuple Bond and Its Destruction upon Axial Coordination. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7781-7785.	7.2	59
12	Discovering complexes containing a metal-metal quintuple bond: from theory to practice. <i>Chemical Communications</i> , 2014, 50, 3391-3412.	2.2	51
13	A Three-Coordinate and Quadruply Bonded Mo-Mo Complex. <i>Journal of the American Chemical Society</i> , 2006, 128, 13980-13981.	6.6	48
14	A Journey of Metal-Metal Bonding beyond Cotton's Quadruple Bonds. <i>Journal of the Chinese Chemical Society</i> , 2014, 61, 9-26.	0.8	48
15	An Electron-Rich Molybdenum-Molybdenum Quintuple Bond Spanned by One Lithium Atom. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6394-6397.	7.2	41
16	Divergent reactivity of nitric oxide with metal-metal quintuple bonds. <i>Chemical Communications</i> , 2013, 49, 4391.	2.2	34
17	Ligand-controlled synthesis of vanadium(I) $\hat{\text{I}}^2$ -diketiminates and their catalysis in cyclotrimerization of alkynes. <i>Dalton Transactions</i> , 2011, 40, 2324-2331.	1.6	33
18	Haloacylation of the Quintuple-Bonded Group-VI Metal Amidinate Dimers and Disproportionation of Acyl Groups to Form Carbynes. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10256-10260.	7.2	32

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19	Theory, synthesis and reactivity of quintuple bonded complexes. Dalton Transactions, 2014, 43, 5618-5638.	1.6	32
20	Theory-Guided Experiments on the Mechanistic Elucidation of the Reduction of Dinuclear Zinc, Manganese, and Cadmium Complexes. Angewandte Chemie - International Edition, 2011, 50, 7611-7615.	7.2	30
21	Reductive N≡N bond cleavage and coupling of organic azides mediated by chromium(i) and vanadium(i) μ -diketiminato. New Journal of Chemistry, 2010, 34, 1737.	1.4	29
22	The lengths of the metal-to-metal quintuple bonds and reactivity thereof. Inorganica Chimica Acta, 2015, 424, 51-62.	1.2	28
23	Reversible Cleavage/Formation of the Chromium-Chromium Quintuple Bond in the Highly Regioselective Alkyne Cyclotrimerization. Angewandte Chemie - International Edition, 2017, 56, 15427-15431.	7.2	28
24	Ligand-Unsupported Cuprophilicity in the Preparation of Dodecacopper(I) Complexes and Raman Studies. Angewandte Chemie - International Edition, 2018, 57, 9925-9929.	7.2	20
25	The Mo μ Mo Quintuple Bond as a Ligand to Stabilize Transition-Metal Complexes. Angewandte Chemie - International Edition, 2015, 54, 9106-9110.	7.2	18
26	Haloacylation of the Quintuple-Bonded Group-VI Metal Amidinate Dimers and Disproportionation of Acyl Groups to Form Carbynes. Angewandte Chemie, 2013, 125, 10446-10450.	1.6	16
27	Structure, Bonding, and Tyrosinase-Like Reactivity of Copper Complexes Coordinated by Mononucleating Tridentate N \sim O \sim N Type Ligands. European Journal of Inorganic Chemistry, 2004, 2004, 2180-2188.	1.0	13
28	Recent Progress in the Chemistry of Quintuple Bonds. Chemistry Letters, 2009, 38, 1122-1129.	0.7	13
29	Reductive Cleavage of Acyl Halides to Carboxylato Alkylidyne Complexes from Their Reactions with the Quintuply Bonded Dimolybdenum Amidinate. Organometallics, 2016, 35, 1534-1546.	1.1	11
30	A Family of Multiply Bonded Dimolybdenum Boraamidinates with the Formal Mo \sim Mo Bond Orders of 3, 4, 4.5, and 5. Angewandte Chemie - International Edition, 2016, 55, 11614-11618.	7.2	11
31	Synthesis and Characterization of an Eclipsed Digermylene as a Building Block to Construct a Cyclic Octagermylene. Angewandte Chemie - International Edition, 2017, 56, 15108-15112.	7.2	10
32	Substituent effect of Ru(ii)-based sensitizers bearing a terpyridine anchor and a pyridyl azolate ancillary for dye sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 18422-18431.	5.2	8
33	Ligand-Unsupported Cuprophilicity in the Preparation of Dodecacopper(I) Complexes and Raman Studies. Angewandte Chemie, 2018, 130, 10073-10077.	1.6	8
34	Reversible Cleavage/Formation of the Chromium-Chromium Quintuple Bond in the Highly Regioselective Alkyne Cyclotrimerization. Angewandte Chemie, 2017, 129, 15629-15633.	1.6	7
35	Synthesis and Characterization of an Eclipsed Digermylene as a Building Block to Construct a Cyclic Octagermylene. Angewandte Chemie, 2017, 129, 15304-15308.	1.6	7
36	A Family of Multiply Bonded Dimolybdenum Boraamidinates with the Formal Mo \sim Mo Bond Orders of 3, 4, 4.5, and 5. Angewandte Chemie, 2016, 128, 11786-11790.	1.6	4

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37	Chromium to chromium quintuple bonds in a trigonal lantern configuration. <i>Journal of the Chinese Chemical Society</i> , 2019, 66, 1048-1063.	0.8	2
38	Frontispiece: Cuprophilic Interactions in and between Molecular Entities. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	1
39	Å½cktitelbild: Ligand-Unsupported Cuprophilicity in the Preparation of Dodecacopper(I) Complexes and Raman Studies (<i>Angew. Chem.</i> 31/2018). <i>Angewandte Chemie</i> , 2018, 130, 10134-10134.	1.6	0
40	Special Issue Dedicated to Prof. Chienâ€Hong Cheng's 70th Birthday. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 337-338.	0.8	0