

# Dafa Chen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6056636/publications.pdf>

Version: 2024-02-01

50  
papers

1,679  
citations

279798

23  
h-index

289244

40  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1281  
citing authors

#	ARTICLE	IF	CITATIONS
1	Metallaaromatic Chemistry: History and Development. <i>Chemical Reviews</i> , 2020, 120, 12994-13086.	47.7	130
2	Reconstitution of [Fe]-hydrogenase using model complexes. <i>Nature Chemistry</i> , 2015, 7, 995-1002.	13.6	92
3	[Fe]-Hydrogenase Models Featuring Acylmethylpyridinyl Ligands. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 7512-7515.	13.8	90
4	A Five-coordinate Iron Center in the Active Site of [Fe]-Hydrogenase: Hints from a Model Study. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5671-5673.	13.8	85
5	Synthesis and Reactivity of Iron Acyl Complexes Modeling the Active Site of [Fe]-Hydrogenase. <i>Journal of the American Chemical Society</i> , 2010, 132, 928-929.	13.7	78
6	High-performance asymmetric supercapacitors based on monodisperse MnO nanocrystals with high energy densities. <i>Nanoscale</i> , 2018, 10, 15926-15931.	5.6	74
7	Methylation of Amines and Ketones with Methanol Catalyzed by an Iridium Complex Bearing a 2-Hydroxypyridylmethylene Fragment. <i>Organometallics</i> , 2018, 37, 3353-3359.	2.3	70
8	Hydrogen-activating models of hydrogenases. <i>Coordination Chemistry Reviews</i> , 2015, 303, 32-41.	18.8	66
9	An Iron Carbonyl Pyridonate Complex Related to the Active Site of the [Fe]-Hydrogenase (Hmd). <i>Inorganic Chemistry</i> , 2009, 48, 3514-3516.	4.0	63
10	Ruthenium-Catalyzed $\beta^2$ -Alkylation of Secondary Alcohols and $\beta^1$ -Alkylation of Ketones via Borrowing Hydrogen: Dramatic Influence of the Pendant <i>N</i> -Heterocycle. <i>Organometallics</i> , 2019, 38, 654-664.	2.3	63
11	Reversible Protonation of a Thiolate Ligand in an [Fe]-Hydrogenase Model Complex. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1919-1921.	13.8	51
12	Halide Ion-Mediated Synthesis of $L_1O$ -FePt Nanoparticles with Tunable Magnetic Properties. <i>Nano Letters</i> , 2018, 18, 7839-7844.	9.1	51
13	Synthesis and Reactivity of Mononuclear Iron Models of [Fe]-Hydrogenase that Contain an Acylmethylpyridinol Ligand. <i>Chemistry - A European Journal</i> , 2014, 20, 1677-1682.	3.3	50
14	Manganese(I)-Catalyzed Transfer Hydrogenation and Acceptorless Dehydrogenative Condensation: Promotional Influence of the Uncoordinated <i>N</i> -Heterocycle. <i>Organometallics</i> , 2019, 38, 3218-3226.	2.3	47
15	[Fe]-Hydrogenase and Models that Contain Iron-acyl Ligand. <i>Chemistry - an Asian Journal</i> , 2013, 8, 1068-1075.	3.3	44
16	Synthesis and Reactivity of Metal-Ligand Cooperative Bifunctional Ruthenium Hydride Complexes: Active Catalysts for $\beta^2$ -Alkylation of Secondary Alcohols with Primary Alcohols. <i>Organometallics</i> , 2018, 37, 2795-2806.	2.3	42
17	Synthesis and Characterization of a Series of Model Complexes of the Active Site of [Fe]-Hydrogenase (Hmd). <i>Inorganic Chemistry</i> , 2011, 50, 5249-5257.	4.0	39
18	NNN-Ruthenium Catalysts for the Synthesis of Pyridines, Quinolines, and Pyrroles by Acceptorless Dehydrogenative Condensation. <i>Organometallics</i> , 2018, 37, 2386-2394.	2.3	38

#	ARTICLE	IF	CITATIONS
19	Engineering proteinosomes with renewable predatory behaviour towards living organisms. <i>Materials Horizons</i> , 2020, 7, 157-163.	12.2	36
20	Highly Regio- and Stereoselective Hydrosilylation of Alkynes Catalyzed by Tridentate Cobalt Complexes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2694-2703.	3.3	29
21	Ruthenium complexes bearing an unsymmetrical pincer ligand with a 2-hydroxypyridylmethylene fragment: active catalysts for transfer hydrogenation of ketones. <i>Dalton Transactions</i> , 2016, 45, 4828-4834.	3.3	26
22	Pyridyl-Substituted Indenyl Ruthenium Complexes: Synthesis, Structures, and Reactivities. <i>Organometallics</i> , 2010, 29, 3418-3430.	2.3	24
23	Synthesis, Reactivity, and Catalytic Transfer Hydrogenation Activity of Ruthenium Complexes Bearing NNN Tridentate Ligands: Influence of the Secondary Coordination Sphere. <i>ACS Omega</i> , 2017, 2, 3406-3416.	3.5	23
24	Bidentate Ru(II)-NC complexes as catalysts for the dehydrogenative reaction from primary alcohols to carboxylic acids. <i>Dalton Transactions</i> , 2019, 48, 8826-8834.	3.3	23
25	Highly Regio- and Stereoselective Tridentate N <sup>C</sup> NN Cobalt-Catalyzed 1,3-Diyne Hydrosilylation. <i>Organometallics</i> , 2019, 38, 4341-4350.	2.3	22
26	[Fe]-Hydrogenase Models Featuring Acylmethylpyridinyl Ligands. <i>Angewandte Chemie</i> , 2010, 122, 7674-7677.	2.0	21
27	A Bidentate Ru(II)-NC Complex as a Catalyst for Semihydrogenation of Alkynes to ( <i>E</i> )-Alkenes with Ethanol. <i>Organometallics</i> , 2020, 39, 862-869.	2.3	21
28	Reactions of a Trinuclear Ruthenium Complex Derived from 3-(2-Pyridyl)indene with Diphenylacetylene and Phenylacetylene: Insertion of Alkynes into the Ru <sup>2+</sup> C bond. <i>Organometallics</i> , 2011, 30, 676-683.	2.3	20
29	Diels-Alder Reactions of Benzyne with Indenyl Iron Complexes. <i>Organometallics</i> , 2004, 23, 6225-6230.	2.3	19
30	A Pyridinol Acyl Cofactor in the Active Site of [Fe]-Hydrogenase Evidenced by the Reactivity of Model Complexes. <i>Chemistry - A European Journal</i> , 2012, 18, 11528-11530.	3.3	18
31	Morphology controllable fabrication of poly-o-phenylenediamine microstructures tuned by the ionic strength and their applications in pH sensors. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19208-19213.	10.3	17
32	Bis(phosphine)cobalt-Catalyzed Highly Regio- and Stereoselective Hydrosilylation of 1,3-Diynes. <i>Organometallics</i> , 2020, 39, 4437-4443.	2.3	17
33	Bidentate Ru(II)-NC Complexes as Catalysts for $\alpha$ -Alkylation of Unactivated Amides and Esters. <i>ChemCatChem</i> , 2019, 11, 4841-4847.	3.7	16
34	Reversible Dimerization of Mononuclear Models of [Fe]-Hydrogenase. <i>Chemistry - A European Journal</i> , 2013, 19, 6221-6224.	3.3	15
35	Ureate Titanium Catalysts for Hydroaminoalkylation: Using Ligand Design to Increase Reactivity and Utility. <i>ACS Catalysis</i> , 2021, 11, 4550-4560.	11.2	15
36	Reactions of Pyridyl Side Chain Functionalized Indenes with Ru <sub>3</sub> (CO) <sub>12</sub> . <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1854-1864.	2.0	13

#	ARTICLE	IF	CITATIONS
37	Cobalt-Catalyzed (<i>E</i>)-Selective Hydrosilylation of 1,3-Enynes for the Synthesis of 1,3-Dienylsilanes. <i>Organometallics</i> , 2021, 40, 2070-2080.	2.3	12
38	Alkylation of Aromatic Amines with Trialkyl Amines Catalyzed by a Defined Iridium Complex with a 2-Hydroxypyridylmethylene Fragment. <i>Organometallics</i> , 2019, 38, 2218-2226.	2.3	11
39	Carbolong Chemistry: Planar CCCCX-Type (X = N, O, S) Pentadentate Chelates by Formal [3+1] Cycloadditions of Metalla-Azirines with Terminal Alkynes. <i>CCS Chemistry</i> , 2021, 3, 758-763.	7.8	11
40	The First OCCCCO Pentadentate Chelates: Osmium Mediated Stepwise Oxidations of Terminal Alkynes by Pyridine N-oxide. <i>Chinese Journal of Chemistry</i> , 2020, 38, 1273-1279.	4.9	10
41	Carbolong chemistry: nucleophilic aromatic substitution of a triflate functionalized iridapentalene. <i>Chemical Communications</i> , 2021, 57, 8464-8467.	4.1	9
42	A One-Pot Strategy for the Synthesis of $\text{Ir}^2$ -Substituted and Irida-Carbolong Complexes. <i>Chinese Journal of Chemistry</i> , 2022, 40, 1777-1784.	4.9	8
43	Ruthenium NNN complexes with a 2-hydroxypyridylmethylene fragment for transfer hydrogenation of ketones. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4100.	3.5	7
44	Synthesis and Reactivity Studies of Irida-carbolong Complexes. <i>Acta Chimica Sinica</i> , 2021, 79, 71.	1.4	6
45	Intramolecular cyclization of a diruthenium complex: insight into the mechanism of heteroatom-directed intramolecular C-H/olefin coupling reactions. <i>Dalton Transactions</i> , 2015, 44, 12507-12510.	3.3	5
46	Boosting the performance and stability of inverted perovskite solar cells by using a carbolong derivative to modulate the cathode interface. <i>Materials Chemistry Frontiers</i> , 0, , .	5.9	5
47	Reversible CO Dissociation of Tricarbonyl Iodide [Fe]-Hydrogenase Models Ligating Acylmethylpyridyl Ligands. <i>Organometallics</i> , 2016, 35, 2993-2998.	2.3	3
48	Synthesis of Diruthenium Complexes Derived from Pyridyl-Substituted Indenes. <i>Organometallics</i> , 2017, 36, 1066-1072.	2.3	3
49	Unusual C=O bond cleavage of aromatic ethers in ruthenium complexes bearing a 2-alkoxy-pyridyl fragment. <i>Dalton Transactions</i> , 2019, 48, 13614-13621.	3.3	1
50	Regioselectivity in C-H activation: Reactions of N-heterocyclic indenes with $\text{Ru}_3(\text{CO})_{12}$ . <i>Polyhedron</i> , 2019, 158, 311-315.	2.2	0