Jiaye Jin

List of Publications by Year in descending order

26 papers	659 citations	840776 11 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	485 citing authors

#	Article	IF	Citations
1	Observation of alkaline earth complexes M(CO) ₈ (M = Ca, Sr, or Ba) that mimic transition metals. Science, 2018, 361, 912-916.	12.6	207
2	Octa-coordinated alkaline earth metalâ€“dinitrogen complexes M(N2)8 (M=Ca, Sr, Ba). Nature Communications, 2019, 10, 3375.	12.8	79
3	The [B₃(NN)₃]⁺ and [B₃(CO)₃]⁺ Complexes Featuring the Smallest Ï€â€Aromatic Species B₃⁺. Angewandte Chemie - International Edition, 2016, 55, 2078-2082.	13.8	64
4	Octacarbonyl Anion Complexes of Group Three Transition Metals [TM(CO)₈]^{â^'} (TM=Sc, Y, La) and the 18â€Electron Rule. Angewandte Chemie - International Edition, 2018, 57, 6236-6241.	13.8	49
5	Octacarbonyl Ion Complexes of Actinides [An(CO)₈]^{+/â^'} (An=Th, U) and the Role of f Orbitals in Metalâ€“Ligand Bonding. Chemistry - A European Journal, 2019, 25, 11772-11784.	3.3	38
6	Octacarbonyl Anion Complexes of the Late Lanthanides Ln(CO)₈^{â^'} (Ln=Tm, Yb,) Tj ETQq0 0 0 rgBT /Overlock	3.3	38
7	The [B₃(NN)₃]⁺ and [B₃(CO)₃]⁺ Complexes Featuring the Smallest Ï€â€Aromatic Species B₃⁺. Angewandte Chemie, 2016, 128, 2118-2122.	2.0	24
8	Observation of Mainâ€Group Tricarbonyls [B(CO)₃] and [C(CO)₃]⁺ Featuring a Tilted Oneâ€Electron Donor Carbonyl Ligand. Chemistry - A European Journal, 2016, 22, 2376-2385.	3.3	23
9	Filling a Gap: The Coordinatively Saturated Groupâ€...4 Carbonyl Complexes TM(CO)₈ (TM=Zr,) Tj ETQq1 1 0.784314 rg	3.3	21
10	Preparation and characterization of chemically bonded argonâ€“boroxol ring cation complexes. Chemical Science, 2017, 8, 6594-6600.	7.4	13
11	Generation and simple characterization of flat, liquid jets. Review of Scientific Instruments, 2020, 91, 105109.	1.3	12
12	A Homoleptic Beryllium Carbonyl Complex with an Endâ€On and Sideâ€On Bridging Carbonyl Ligand. Angewandte Chemie - International Edition, 2021, 60, 1651-1655.	13.8	12
13	Infrared Photodisssociation Spectroscopy of Boron Carbonyl Cation Complexes. Chinese Journal of Chemical Physics, 2016, 29, 47-52.	1.3	11
14	Octacarbonyl Anion Complexes of Group Three Transition Metals [TM(CO) 8] â^' (TM=Sc, Y, La) and the 18â€Electron Rule. Angewandte Chemie, 2018, 130, 6344-6349.	2.0	10
15	Boron carbonyl complexes analogous to hydrocarbons. Dalton Transactions, 2018, 47, 17192-17197.	3.3	9
16	Infrared photodissociation spectroscopic investigation of TMO(CO)n+ (TM = Sc, Y, La): testing the 18-electron rule. Physical Chemistry Chemical Physics, 2019, 21, 6743-6749.	2.8	9
17	Generation and Identification of the Linear OCBNO and OBNCO Molecules with 24 Valence Electrons. Chemistry - A European Journal, 2021, 27, 412-418.	3.3	8
18	Infrared photodissociation spectroscopic studies of ScO(H2O)n=1â€“3Ar+ cluster cations: solvation induced reaction of ScO+ and water. Physical Chemistry Chemical Physics, 2019, 21, 15639-15646.	2.8	7

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19	Boron Carbonyl Analogues of Hydrocarbons: An Infrared Photodissociation Spectroscopic Study of B₃(CO)_n⁺ (n = 4â€“6). Journal of Physical Chemistry A, 2018, 122, 2688-2694.	2.5	6
20	Dicarbonyls of Carbon and Methylidyne Cations. Journal of Physical Chemistry A, 2017, 121, 2903-2910.	2.5	5
21	Infrared spectroscopic and theoretical study of the HC2n+1O+ (n = 2â€“5) cations. Journal of Chemical Physics, 2017, 146, 214301.	3.0	5
22	A Homoleptic Beryllium Carbonyl Complex with an Endâ€On and Sideâ€On Bridging Carbonyl Ligand. Angewandte Chemie, 2021, 133, 1675-1679.	2.0	4
23	Infrared Spectroscopy and Bonding of the B(NN)₃⁺ and B₂(NN)_{3,4}⁺ Cation Complexes. Journal of Physical Chemistry A, 2021, 125, 6246-6253.	2.5	4
24	The ion-pair character of the B<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si38.svg"><mml:mrow><mml:msup><mml:mrow><mml:mn>0</mml:mn></mml:mrow><mml:mrow><mml:mo>+</mml:mo></ state of CuAg. Journal of Molecular Spectroscopy, 2020, 372, 111326.	1.2	1
25	Infrared photodissociation spectroscopic and theoretical study of HnC4O+ (nâ€‰=â€‰1, 2) cation clusters in the gas phase. Molecular Physics, 2021, 119, e1879301.	1.7	0
26	Rovibrational investigation of a new high-lying 0u+ state of Cu₂ by using two-color resonant four-wave-mixing spectroscopy. Journal of Chemical Physics, 2022, 156, 184305.	3.0	0