

# Jiaye Jin

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

659  
citations

840776

11  
h-index

610901

24  
g-index

26  
all docs

26  
docs citations

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times ranked

485  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rovibrational investigation of a new high-lying $O_u^+$ state of $Cu_2$ by using two-color resonant four-wave-mixing spectroscopy. <i>Journal of Chemical Physics</i> , 2022, 156, 184305.	3.0	0
2	A Homoleptic Beryllium Carbonyl Complex with an End-On and Side-On Bridging Carbonyl Ligand. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 1651-1655.	13.8	12
3	A Homoleptic Beryllium Carbonyl Complex with an End-On and Side-On Bridging Carbonyl Ligand. <i>Angewandte Chemie</i> , 2021, 133, 1675-1679.	2.0	4
4	Generation and Identification of the Linear OCBNO and OBNCO Molecules with 24 Valence Electrons. <i>Chemistry - A European Journal</i> , 2021, 27, 412-418.	3.3	8
5	Infrared photodissociation spectroscopic and theoretical study of $HnC_4O^+$ ( $n=1, 2$ ) cation clusters in the gas phase. <i>Molecular Physics</i> , 2021, 119, e1879301.	1.7	0
6	Infrared Spectroscopy and Bonding of the $B(NN)_3^{+}$ and $B_2(NN)_{3,4}^{+}$ Cation Complexes. <i>Journal of Physical Chemistry A</i> , 2021, 125, 6246-6253.	2.5	4
7	The ion-pair character of the $B(NN)_3^{+}$ state of $CuAg$ . <i>Journal of Molecular Spectroscopy</i> , 2020, 372, 111326.		
8	Generation and simple characterization of flat, liquid jets. <i>Review of Scientific Instruments</i> , 2020, 91, 105109.	1.3	12
9	Filling a Gap: The Coordinatively Saturated Group 4 Carbonyl Complexes $TM(CO)_8$ ( $TM=Zr, Hf$ ). <i>Journal of Physical Chemistry A</i> , 2019, 123, 10784-10791.	3.8	21
10	Octa-coordinated alkaline earth metal dinitrogen complexes $M(N_2)_8$ ( $M=Ca, Sr, Ba$ ). <i>Nature Communications</i> , 2019, 10, 3375.	12.8	79
11	Infrared photodissociation spectroscopic studies of $ScO(H_2O)_n$ ( $n=1-3$ ) cluster cations: solvation induced reaction of $ScO^+$ and water. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15639-15646.	2.8	7
12	Octacarbonyl Ion Complexes of Actinides $[An(CO)_8]^+$ ( $An=Th, U$ ) and the Role of f Orbitals in Metal-Ligand Bonding. <i>Chemistry - A European Journal</i> , 2019, 25, 11772-11784.	3.3	38
13	Infrared photodissociation spectroscopic investigation of $TMO(CO)_n$ ( $TM=Sc, Y, La$ ): testing the 18-electron rule. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6743-6749.	2.8	9
14	Octacarbonyl Anion Complexes of the Late Lanthanides $[Ln(CO)_8]^-$ ( $Ln=Tm, Yb$ ). <i>Journal of Physical Chemistry A</i> , 2019, 123, 10784-10791.	3.3	38
15	Boron Carbonyl Analogues of Hydrocarbons: An Infrared Photodissociation Spectroscopic Study of $B_3(CO)_n$ ( $n=4-6$ ). <i>Journal of Physical Chemistry A</i> , 2018, 122, 2688-2694.	2.5	6
16	Octacarbonyl Anion Complexes of Group Three Transition Metals $[TM(CO)_8]^-$ ( $TM=Sc, Y, La$ ) and the 18-Electron Rule. <i>Angewandte Chemie</i> , 2018, 130, 6344-6349.	2.0	10
17	Octacarbonyl Anion Complexes of Group Three Transition Metals $[TM(CO)_8]^-$ ( $TM=Sc, Y, La$ ) and the 18-Electron Rule. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6236-6241.	13.8	49
18	Boron carbonyl complexes analogous to hydrocarbons. <i>Dalton Transactions</i> , 2018, 47, 17192-17197.	3.3	9

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19	Observation of alkaline earth complexes $M(\text{CO})_8$ ( $M = \text{Ca}, \text{Sr}, \text{or Ba}$ ) that mimic transition metals. <i>Science</i> , 2018, 361, 912-916.	12.6	207
20	Dicarbonyls of Carbon and Methylidyne Cations. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2903-2910.	2.5	5
21	Infrared spectroscopic and theoretical study of the $\text{HC}_{2n+1}\text{O}^+$ ( $n = 2 \sim 5$ ) cations. <i>Journal of Chemical Physics</i> , 2017, 146, 214301.	3.0	5
22	Preparation and characterization of chemically bonded argon-boroxol ring cation complexes. <i>Chemical Science</i> , 2017, 8, 6594-6600.	7.4	13
23	Infrared Photodissociation Spectroscopy of Boron Carbonyl Cation Complexes. <i>Chinese Journal of Chemical Physics</i> , 2016, 29, 47-52.	1.3	11
24	The $[\text{B}_3(\text{NN})_3]^+$ and $[\text{B}_3(\text{CO})_3]^+$ Complexes Featuring the Smallest $\pi$ -Aromatic Species $\text{B}_3^+$ . <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2078-2082.	13.8	64
25	The $[\text{B}_3(\text{NN})_3]^+$ and $[\text{B}_3(\text{CO})_3]^+$ Complexes Featuring the Smallest $\pi$ -Aromatic Species $\text{B}_3^+$ . <i>Angewandte Chemie</i> , 2016, 128, 2118-2122.	2.0	24
26	Observation of Main-Group Tricarbonyls $[\text{B}(\text{CO})_3]$ and $[\text{C}(\text{CO})_3]^+$ Featuring a Tilted One-Electron Donor Carbonyl Ligand. <i>Chemistry - A European Journal</i> , 2016, 22, 2376-2385.	3.3	23