

Yang Zheng

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Weak hydrogen bond topology in 1,1-difluoroethane dimer: A rotational study. <i>Journal of Chemical Physics</i> , 2017, 147, 094301.	3.0	27
2	Chlorine π -Equatorial Belt Activation of CF_3Cl by CO_2 : The C \cdots Cl Tetrel Bond Dominance in $\text{CF}_3\text{Cl}\cdots\text{CO}_2$. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 3907-3913.	4.6	17
3	Stacked but not Stuck: Unveiling the Role of π - π^* Interactions with the Help of the Benzofuran-Formaldehyde Complex. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15
4	Theory meets experiment for elucidating the structure and stability of non-covalent complexes: water-amine interaction as a proof of concept. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 5024-5032.	2.8	14
5	Rich Collection of n-Propylamine and Isopropylamine Conformers: Rotational Fingerprints and State-of-the-Art Quantum Chemical Investigation. <i>Journal of Physical Chemistry A</i> , 2020, 124, 1372-1381.	2.5	14
6	Weak Hydrogen Bond Network: A Rotational Study of 1,1,1,2-Tetrafluoroethane Dimer. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7876-7881.	2.5	10
7	Competitive tetrel bond and hydrogen bond in benzaldehyde-CO ₂ : Characterization by rotational spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 25784-25788.	2.8	10
8	Interaction Types in $\text{C}_6\text{H}_5(\text{CH}_2)_n\text{OH}\cdots\text{CO}_2$ ($n = 1, 2, 3, 4, 5, 6$) / Overlapped. <i>Journal of Physical Chemistry A</i> , 2019, 123, 149-155.	4.6	10
9	Microwave spectroscopy of 2-(trifluoromethyl)pyridine-water complex: Molecular structure and hydrogen bond. <i>Journal of Chemical Physics</i> , 2018, 148, 044306.	3.0	9
10	Switching Aromatic Character by Complexation: π to π^* Change Seen in Molecular Rotation Spectra. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5150-5155.	4.6	9
11	Rotational Spectroscopy Meets Quantum Chemistry for Analyzing Substituent Effects on Non-Covalent Interactions: The Case of the Trifluoroacetophenone-Water Complex. <i>Molecules</i> , 2020, 25, 4899.	3.8	8
12	Rotational characterization of S-F chalcogen bonds in the complex of 2,2,4,4-tetrafluoro-1,3-dithietane and difluoromethane. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24659-24665.	2.8	7
13	Rotational spectrum and structure of 2-chlorothiophene and its complex with argon. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 218, 136-141.	3.9	6
14	Conformational Equilibria of 2-Methoxypyridine $\cdots\text{CO}_2$: Cooperative and Competitive Tetrel and Weak Hydrogen Bonds. <i>ChemPhysChem</i> , 2021, 22, 154-159.	2.1	6
15	Halogen bond in the water adduct of chloropentafluoroethane revealed by rotational spectroscopy. <i>Journal of Chemical Physics</i> , 2018, 149, 154307.	3.0	5
16	Conformation and bonding of 2-methoxypyridine and its monohydrate from rotational spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 239, 118434.	3.9	5
17	sp^2 - and sp^3 -C \cdots O tetrel bonds in the 3-oxetanone homodimer. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	2.8	5
18	Stacked but not Stuck: Unveiling the Role of π - π^* Interactions with the Help of the Benzofuran-Formaldehyde Complex. <i>Angewandte Chemie</i> , 2022, 134, e202113737.	2.0	2

#	ARTICLE	IF	CITATIONS
19	Van der Waals interaction between perhalogenated ethylene and rare gas: A rotational study of chlorotrifluorethylene-argon. <i>Journal of Chemical Physics</i> , 2018, 148, 154302.	3.0	1
20	Rotational spectrum of the pentafluoroethane-argon van der Waals complex. <i>Chemical Physics Letters</i> , 2018, 691, 206-210.	2.6	0
21	Modulation of π character upon complexation captured by molecular rotation spectra. <i>Physical Chemistry Chemical Physics</i> , 2022, , .	2.8	0