Yang Zheng

List of Publications by Year
in descending order

21	180	1163117 8	1199594 12
papers	citations	h-index	g-index

21	21	21	110
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stacked but not Stuck: Unveiling the Role of Ï€â†'Ï€* Interactions with the Help of the Benzofuranâ€"Formaldehyde Complex. Angewandte Chemie - International Edition, 2022, 61, .	13.8	15
2	Stacked but not Stuck: Unveiling the Role of Ï€ â†' Ï€* Interactions with the Help of the Benzofuranâ€Formaldehyde Complex. Angewandte Chemie, 2022, 134, e202113737.	2.0	2
3	Sp²- and sp³â€"Câ‹¯O tetrel bonds in the 3-oxetanone homodimer. Physical Chemistry Chemical Physics, 2022, , .	2.8	5
4	Interaction Types in C₆H₅(CH₂)_nOHâ€"CO₂ (n =) Tj ETQq0 0 0 rgBT /Overlo 149-155.	4.6	10
5	Modulation of Ï€ character upon complexation captured by molecular rotation spectra. Physical Chemistry Chemical Physics, 2022, , .	2.8	0
6	Chlorine â€œEquatorial Beltâ€•Activation of CF₃Cl by CO₂: The CÂ·Â·Â·Cl Tetrel Bond Dominance in CF₃Clâ€"CO₂. Journal of Physical Chemistry Letters, 2021, 12, 3907-3913.	4.6	17
7	Switching Aromatic Character by Complexation: Ï€ to Ï€* Change Seen in Molecular Rotation Spectra. Journal of Physical Chemistry Letters, 2021, 12, 5150-5155.	4.6	9
8	Conformational Equilibria of 2â€Methoxypyridineâ‹…â‹…â‹…CO 2 : Cooperative and Competitive Tetrel and Weak Hydrogen Bonds. ChemPhysChem, 2021, 22, 154-159.	2.1	6
9	Competitive tetrel bond and hydrogen bond in benzaldehyde-CO2: Characterization by rotational spectroscopy. Physical Chemistry Chemical Physics, 2021, 23, 25784-25788.	2.8	10
10	Rotational Spectroscopy Meets Quantum Chemistry for Analyzing Substituent Effects on Non-Covalent Interactions: The Case of the Trifluoroacetophenone-Water Complex. Molecules, 2020, 25, 4899.	3.8	8
11	Conformation and bonding of 2-methoxypyridine and its monohydrate from rotational spectra. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 239, 118434.	3.9	5
12	Theory meets experiment for elucidating the structure and stability of non-covalent complexes: waterâ€"amine interaction as a proof of concept. Physical Chemistry Chemical Physics, 2020, 22, 5024-5032.	2.8	14
13	Rich Collection of n-Propylamine and Isopropylamine Conformers: Rotational Fingerprints and State-of-the-Art Quantum Chemical Investigation. Journal of Physical Chemistry A, 2020, 124, 1372-1381.	2.5	14
14	Rotational spectrum and structure of 2-chlorothiophene and its complex with argon. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 218, 136-141.	3.9	6
15	Rotational characterization of Sâ‹¯F chalcogen bonds in the complex of 2,2,4,4-tetrafluoro-1,3-dithietane and difluoromethane. Physical Chemistry Chemical Physics, 2019, 21, 24659-24665.	2.8	7
16	Microwave spectroscopy of 2-(trifluoromethyl)pyridineâ‹¯water complex: Molecular structure and hydrogen bond. Journal of Chemical Physics, 2018, 148, 044306.	3.0	9
17	Rotational spectrum of the pentafluoroethane-argon van der Waals complex. Chemical Physics Letters, 2018, 691, 206-210.	2.6	0
18	Halogen bond in the water adduct of chloropentafluoroethane revealed by rotational spectroscopy. Journal of Chemical Physics, 2018, 149, 154307.	3.0	5

#	ARTICLE	IF	CITATIONS
19	Van der Waals interaction between perhalogenated ethylene and rare gas: A rotational study of chlorotrifluorethylene-argon. Journal of Chemical Physics, 2018, 148, 154302.	3.0	1
20	Weak hydrogen bond topology in 1,1-difluoroethane dimer: A rotational study. Journal of Chemical Physics, 2017, 147, 094301.	3.0	27
21	Weak Hydrogen Bond Network: A Rotational Study of 1,1,1,2-Tetrafluoroethane Dimer. Journal of Physical Chemistry A, 2017, 121, 7876-7881.	2.5	10