Maria A Trachsel

List of Publications by Year
in descending order

15 papers	299 citations	1040056 9 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	386 citing authors

#	Article	IF	Citations
1	The European Joint Research Project UHDpulse â€“ Metrology for advanced radiotherapy using particle beams with ultra-high pulse dose rates. Physica Medica, 2020, 80, 134-150.	0.7	71
2	Excited-State Structure and Dynamics of Ketoâ€“Amino Cytosine: The ¹Ï€Ï€* State Is Nonplanar and Its Radiationless Decay Is Not Ultrafast. Journal of Physical Chemistry B, 2013, 117, 6106-6115.	2.6	41
3	Modeling the Histidineâ€“Phenylalanine Interaction: The NHÂ·Â·Â·Ï€ Hydrogen Bond of ImidazoleÂ·Benzene. Journal of Physical Chemistry B, 2015, 119, 7778-7790.	2.6	29
4	Accurate computations of the structures and binding energies of the imidazole<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si45.gif" overflow="scroll"><mml:mrow><mml:mo>â‹¯</mml:mo></mml:mrow></mml:math>benzene and pyrrole<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si46.gif" overflow="scroll"><mml:mrow><mml:mo>â‹¯</mml:mo></mml:mrow></mml:math>benzene complexes. Chemical Physics, 2014, 441, 17-22.	1.9	22
5	Gas-Phase Cytosine and Cytosine-N₁-Derivatives Have 0.1â€“1 ns Lifetimes Near the S₁ State Minimum. Journal of Physical Chemistry Letters, 2016, 7, 752-757.	4.6	21
6	Vibronic Spectra of Jet-Cooled 2-AminopurineÂ·H2O Clusters Studied by UV Resonant Two-Photon Ionization Spectroscopy and Quantum Chemical Calculations. Journal of Physical Chemistry A, 2011, 115, 6208-6217.	2.5	19
7	Out-of-Plane Low-Frequency Vibrations and Nonradiative Decay in the ¹Ï€Ï€* State of Jet-Cooled 5-Methylcytosine. Journal of Physical Chemistry B, 2012, 116, 11081-11091.	2.6	19
8	The excited-state structure, vibrations, lifetimes, and nonradiative dynamics of jet-cooled 1-methylcytosine. Journal of Chemical Physics, 2016, 145, 134307.	3.0	16
9	Locating Cytosine Conical Intersections by Laser Experiments and Ab Initio Calculations. Journal of Physical Chemistry Letters, 2020, 11, 3203-3210.	4.6	13
10	Excited-State Structure, Vibrations, and Nonradiative Relaxation of Jet-Cooled 5-Fluorocytosine. Journal of Physical Chemistry B, 2014, 118, 2973-2984.	2.6	11
11	The elusive S2 state, the S1/S2 splitting, and the excimer states of the benzene dimer. Journal of Chemical Physics, 2015, 142, 234306.	3.0	9
12	Planarizing cytosine: The S1 state structure, vibrations, and nonradiative dynamics of jet-cooled 5,6-trimethylenecytosine. Journal of Chemical Physics, 2017, 146, 244308.	3.0	8
13	Excited-state vibrations, lifetimes, and nonradiative dynamics of jet-cooled 1-ethylcytosine. Journal of Chemical Physics, 2019, 151, 124301.	3.0	8
14	Low-lying excited states and nonradiative processes of 9-methyl-2-aminopurine. Journal of Chemical Physics, 2014, 140, 044331.	3.0	7
15	Chemical radiation dosimetry in magnetic fields: characterization of a Fricke-type chemical detector in 6 MV photon beams and magnetic fields up to 1.42 T. Physics in Medicine and Biology, 2020, 65, 065005.	3.0	5