Cate Sara AnstÃ¶ter

List of Publications by Year
in descending order

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Version: 2024-02-01

30 papers	513 citations	623734 14 h-index	677142 22 g-index
30 all docs	30 docs citations	30 times ranked	312 citing authors

#	Article	IF	Citations
1	Ultrafast dynamics of temporary anions probed through the prism of photodetachment. International Reviews in Physical Chemistry, 2016, 35, 509-538.	2.3	51
2	Ultrafast dynamics of low-energy electron attachment via a non-valence correlation-bound state. Nature Chemistry, 2018, 10, 341-346.	13.6	49
3	Mode-Specific Vibrational Autodetachment Following Excitation of Electronic Resonances by Electrons and Photons. Physical Review Letters, 2020, 124, 203401.	7.8	41
4	Resonances of the anthracenyl anion probed by frequency-resolved photoelectron imaging of collision-induced dissociated anthracene carboxylic acid. Chemical Science, 2017, 8, 3054-3061.	7.4	40
5	Spectroscopic Determination of an Anionâ˜Ï€ Bond Strength. Journal of the American Chemical Society, 2019, 141, 6132-6135.	13.7	37
6	Ultrafast valence to non-valence excited state dynamics in a common anionic chromophore. Nature Communications, 2019, 10, 5820.	12.8	37
7	Photoelectron Spectroscopy of the Hexafluorobenzene Cluster Anions: (C₆F₆)_n^{â€“} (n = 1â€“5) and I^{â€“}(C₆F₆). Journal of Physical Chemistry A, 2019, 123, 1602-1612.	2.5	25
8	Chromophores of chromophores: a bottom-up HÃ¼ckel picture of the excited states of photoactive proteins. Physical Chemistry Chemical Physics, 2017, 19, 29772-29779.	2.8	24
9	Role of Nonvalence States in the Ultrafast Dynamics of Isolated Anions. Journal of Physical Chemistry A, 2020, 124, 3507-3519.	2.5	22
10	Evidence of Electron Capture of an Outgoing Photoelectron Wave by a Nonvalence State in (C₆F₆)_n^{â€“}. Journal of Physical Chemistry Letters, 2018, 9, 2504-2509.	4.6	19
11	On the stability of a dipole-bound state in the presence of a molecule. Physical Chemistry Chemical Physics, 2019, 21, 24286-24290.	2.8	19
12	Sensitivity of Photoelectron Angular Distributions to Molecular Conformations of Anions. Journal of Physical Chemistry Letters, 2017, 8, 2268-2273.	4.6	18
13	Electronic structure of the para-dinitrobenzene radical anion: a combined 2D photoelectron imaging and computational study. Physical Chemistry Chemical Physics, 2018, 20, 24019-24026.	2.8	15
14	The AIBLHiCoS Method: Predicting Aqueous pK_a Values from Gas-Phase Equilibrium Bond Lengths. Journal of Chemical Information and Modeling, 2016, 56, 471-483.	5.4	14
15	Ultrafast photoisomerisation of an isolated retinoid. Physical Chemistry Chemical Physics, 2019, 21, 10567-10579.	2.8	12
16	Gas-Phase Synthesis and Characterization of the Methyl-2,2-dicyanoacetate Anion Using Photoelectron Imaging and Dipole-Bound State Autodetachment. Journal of Physical Chemistry Letters, 2020, 11, 6456-6462.	4.6	12
17	Geometric and electronic structure probed along the isomerisation coordinate of a photoactive yellow protein chromophore. Nature Communications, 2020, 11, 2827.	12.8	11
18	Fingerprinting the Excited-State Dynamics in Methyl Ester and Methyl Ether Anions of Deprotonated para-Coumaric Acid. Journal of Physical Chemistry A, 2020, 124, 2140-2151.	2.5	11

#	Article	IF	Citations
19	Modeling the Photoelectron Angular Distributions of Molecular Anions: Roles of the Basis Set, Orbital Choice, and Geometry. Journal of Physical Chemistry A, 2021, 125, 4888-4895.	2.5	10
20	Modeling the Ultrafast Electron Attachment Dynamics of Solvated Uracil. Journal of Physical Chemistry A, 2021, 125, 6995-7003.	2.5	8
21	Autodetachment dynamics of 2-naphthoxide and implications for astrophysical anion abundance. Physical Chemistry Chemical Physics, 2021, 23, 5817-5823.	2.8	7
22	The Vitamin E Radical Probed by Anion Photoelectron Imaging. Journal of Physical Chemistry B, 2016, 120, 7108-7113.	2.6	5
23	Understanding the Interplay between the Nonvalence and Valence States of the Uracil Anion upon Monohydration. Journal of Physical Chemistry A, 2020, 124, 9237-9243.	2.5	5
24	A HÃ¼ckel Model for the Excited-State Dynamics of a Protein Chromophore Developed Using Photoelectron Imaging. Accounts of Chemical Research, 2022, 55, 1205-1213.	15.6	5
25	Modelling aromatisation of (BN)_nH_{2n} azabora-annulenes. Physical Chemistry Chemical Physics, 2020, 22, 15919-15925.	2.8	4
26	Nonadiabatic Dynamics between Valence, Nonvalence, and Continuum Electronic States in a Heteropolycyclic Aromatic Hydrocarbon. Journal of Physical Chemistry Letters, 2021, 12, 11811-11816.	4.6	4
27	Photoelectron imaging of the SO3 anion: vibrational resolution in photoelectron angular distributions*. Molecular Physics, 2021, 119, e1821921.	1.7	3
28	Photostability of the deprotonated forms of the UV filters homosalate and octyl salicylate: molecular dissociation versus electron detachment following UV excitation. Physical Chemistry Chemical Physics, 2022, 24, 17068-17076.	2.8	3
29	Photo-isomerization of the isolated photoactive yellow protein chromophore: what comes before the primary step?. Physical Chemistry Chemical Physics, 2022, 24, 1305-1309.	2.8	2
30	Catacondensed Chemical Hexagonal Complexes: A Natural Generalisation of Benzenoids. Croatica Chemica Acta, 2020, 93, .	0.4	0