Lars H Andersen

List of Publications by Year
in descending order

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74 papers	2,386 citations	218677 26 h-index	214800 47 g-index
78 all docs	78 docs citations	78 times ranked	1788 citing authors

#	Article	IF	Citations
1	Absorption Spectrum of the Green Fluorescent Protein Chromophore AnionIn Vacuo. Physical Review Letters, 2001, 87, 228102.	7.8	215
2	Complete Branching Ratios for the Dissociative Recombination of H2O+, H3O+, and documentclass{aastex} usepackage{amsbsy} usepackage{amsfonts} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{ enewcommandmdefault{wncyr} enewcommandsfdefault{wncyss} enewcommandencodingdefault{OT2} ormalfont selectfont}		

#	Article	IF	Citations
19	Mechanism of resonant electron emission from the deprotonated GFP chromophore and its biomimetics. Chemical Science, 2017, 8, 3154-3163.	7.4	38
20	Direct and Indirect Electron Emission from the Green Fluorescent Protein Chromophore. Physical Review Letters, 2012, 109, 128101.	7.8	37
21	UV Excitedâ€€state Photoresponse of Biochromophore Negative Ions. Angewandte Chemie - International Edition, 2014, 53, 9797-9801.	13.8	36
22	Roadmap on dynamics of molecules and clusters in the gas phase. European Physical Journal D, 2021, 75, 1.	1.3	32
23	Stability of the Ground State Vinylidene AnionH2CCâ¯. Physical Review Letters, 2000, 84, 1128-1131.	7.8	30
24	PHOTO-STABILITY OF SUPER-HYDROGENATED PAHs DETERMINED BY ACTION SPECTROSCOPY EXPERIMENTS. Astrophysical Journal, 2016, 832, 24.	4.5	29
25	Gas-phase absorption properties of DsRed model chromophores. Physical Chemistry Chemical Physics, 2003, 5, 3021-3026.	2.8	28
26	Photodissociation pathways of gas-phase photoactive yellow protein chromophores. Physical Review E, 2008, 78, 051916.	2.1	27
27	Absorption Studies of Neutral Retinal Schiff Base Chromophores. Journal of Physical Chemistry A, 2006, 110, 12592-12596.	2.5	26
28	Characterization of a new electrostatic storage ring for photofragmentation experiments. Review of Scientific Instruments, 2015, 86, 063107.	1.3	23
29	Gas-phase absorption properties of a green fluorescent protein-mutant chromophore: The W7 clone. Journal of Chemical Physics, 2003, 119, 338-345.	3.0	22
30	Decoupling Electronic versus Nuclear Photoresponse of Isolated Green Fluorescent Protein Chromophores Using Short Laser Pulses. Physical Review Letters, 2016, 117, 243004.	7.8	22
31	Formation and stability of hydrogenated PAHs in the gas phase. Astronomy and Astrophysics, 2013, 549, A84.	5.1	21
32	Intrinsic Photophysics of Lightâ€harvesting Chargeâ€tagged Chlorophyll a and b Pigments. Chemistry - A European Journal, 2019, 25, 9153-9158.	3.3	21
33	Electron-impact detachment of O3â¯, NO3â¯and SO2â¯ions. Physical Chemistry Chemical Physics, 2003, 5, 4814-4820.	2.8	20
34	The photophysics of isolated protein chromophores. European Physical Journal D, 2009, 51, 5-14.	1.3	20
35	Spectroscopic Implications of the Electron Donorâ€“Acceptor Effect in the Photoactive Yellow Protein Chromophore. Chemistry - A European Journal, 2010, 16, 11977-11984.	3.3	20
36	Photoresponse of the protonated Schiff-base retinal chromophore in the gas phase. Physical Chemistry Chemical Physics, 2013, 15, 19566.	2.8	17

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37	Electron Scattering on Centrosymmetric Molecular DianionsPt(CN)42â^'andPt(CN)62â^'. Physical Review Letters, 2004, 93, 203201.	7.8	16
38	Tuning the Continuum Ground State Energy ofNO22â^'by Water Molecules. Physical Review Letters, 2005, 94, 223401.	7.8	16
39	The Effect of an Electric Field on the Spectroscopic Properties of the Isolated Green Fluorescent Protein Chromophore Anion. ChemPhysChem, 2018, 19, 1686-1690.	2.1	16
40	Coincidence studies of collisionally induced fission of C 60 2+. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1994, 29, 45-48.	1.0	15
41	Novel retinylidene iminium salts for defining opsin shifts: synthesis and intrinsic chromophoric properties. Organic and Biomolecular Chemistry, 2006, 4, 1546.	2.8	15
42	The UV-visible action-absorption spectrum of all-trans and 11-cis protonated Schiff base retinal in the gas phase. Physical Chemistry Chemical Physics, 2018, 20, 7190-7194.	2.8	15
43	Experimental investigation of radiative lifetimes of vibrational levels at the electronic ground state of C2â^'. Journal of Chemical Physics, 1998, 109, 5849-5855.	3.0	14
44	Studies of Clusters and Biomolecules in ELISA. Hyperfine Interactions, 2003, 146/147, 283-291.	0.5	14
45	Absorption and luminescence spectroscopy of mass-selected flavin adenine dinucleotide mono-anions. Journal of Chemical Physics, 2018, 148, 214309.	3.0	14
46	Counterion-controlled spectral tuning of the protonated Schiff-base retinal. Physical Review A, 2018, 98, .	2.5	13
47	Fast beam photofragment apparatus for studies of electronic and nuclear dynamics. Review of Scientific Instruments, 1999, 70, 3289-3298.	1.3	12
48	Dissociative recombination of dications. Journal of Chemical Physics, 2003, 119, 839-843.	3.0	12
49	Light Driven Ultrafast Bioinspired Molecular Motors: Steering and Accelerating Photoisomerization Dynamics of Retinal. Journal of the American Chemical Society, 2022, 144, 69-73.	13.7	11
50	Photodissociation pathways and lifetimes of protonated peptides and their dimers. Journal of Chemical Physics, 2012, 136, 014307.	3.0	10
51	How far can a single hydrogen bond tune the spectral properties of the GFP chromophore?. Physical Chemistry Chemical Physics, 2015, 17, 20056-20060.	2.8	10
52	Color tuning of chlorophyll a and b pigments revealed from gas-phase spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 20331-20336.	2.8	10
53	Formation and fragmentation of C n + clusters produced from a C60/C70 mixture in an electron-impact ion source. Zeitschrift FÃ¼r Physik D-Atoms Molecules and Clusters, 1994, 29, 53-59.	1.0	9
54	A PYP chromophore acts as a â€˜photoacidâ€™ in an isolated hydrogen bonded complex. Physical Chemistry Chemical Physics, 2016, 18, 9909-9913.	2.8	9

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55	Elucidation of the intrinsic optical properties of hydrogen-bonded and protonated flavin chromophores by photodissociation action spectroscopy. Physical Chemistry Chemical Physics, 2018, 20, 28678-28684.	2.8	9
56	Probing the Barrier for Internal Rotation of the Retinal Chromophore. Angewandte Chemie - International Edition, 2012, 51, 8757-8761.	13.8	8
57	Analysis of ionic photofragments stored in an electrostatic storage ring. Review of Scientific Instruments, 2016, 87, 013111.	1.3	8
58	Search for dimer emission from photoexcited<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:msub><mml:mi mathvariant="bold">Al</mml:mi><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub><mml:mrow><mml:mo>â^'</mml:mo> Physical Review A, 2010, 82, .	2.5	6
59	Absorption tuning of the green fluorescent protein chromophore: synthesis and studies of model compounds. Monatshefte FÃ¼r Chemie, 2011, 142, 709-715.	1.8	6
60	Action and Ion Mobility Spectroscopy of a Shortened Retinal Derivative. Journal of the American Society for Mass Spectrometry, 2018, 29, 2152-2159.	2.8	5
61	On the temperature of large biomolecules in ion-storage rings. European Physical Journal D, 2022, 76, 1.	1.3	5
62	Controlling Lightâ€Induced Proton Transfer from the GFP Chromophore. ChemPhysChem, 2021, 22, 833-841.	2.1	4
63	Tuning fast excited-state decay by ligand attachment in isolated chlorophyll a. Physical Chemistry Chemical Physics, 2021, 24, 149-155.	2.8	4
64	Spectroscopy and photoisomerization of protonated Schiff-base retinal derivatives in vacuo. Physical Chemistry Chemical Physics, 2021, 23, 27227-27233.	2.8	3
65	Action-Absorption Spectroscopy at the Band Origin of the Deprotonated Green Fluorescent Protein Chromophore In Vacuo. Journal of Physical Chemistry Letters, 0, , 6683-6685.	4.6	3
66	The Effect of an Electric Field on the Spectroscopic Properties of the Isolated Green Fluorescent Protein Chromophore Anion. ChemPhysChem, 2018, 19, 1685-1685.	2.1	2
67	Action-spectroscopy studies of positively charge-tagged azobenzene in solution and in the gas-phase. Journal of Chemical Physics, 2019, 150, 084303.	3.0	1
68	Controlling Lightâ€Induced Proton Transfer from the GFP Chromophore. ChemPhysChem, 2021, 22, 807-807.	2.1	1
69	SPECTROSCOPY OF NEUTRAL RETINAL AND GFP CHROMOPHORES IN THE GAS PHASE. , 2008, , 311-320.		1
70	Experimental studies of dielectronic recombination. AIP Conference Proceedings, 1993, , .	0.4	0
71	Dissociative Recombination of Polyatomic Molecular Ions: Branching Ratios and Isotopic Effects. Symposium - International Astronomical Union, 2000, 197, 265-271.	0.1	0
72	Synthesis and intrinsic optical properties of retinal Schiff base and Green Fluorescent Protein chromophores. , 2008, , .		0

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73	Frontispiece: Intrinsic Photophysics of Lightâ€harvesting Chargeâ€tagged Chlorophyll a and b Pigments. Chemistry - A European Journal, 2019, 25, .	3.3	0
74	Gas-phase studies of the retinal protonated Schiff base chromophore. European Physical Journal D, 2021, 75, 1.	1.3	0