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	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
2	On the temperature of large biomolecules in ion-storage rings. European Physical Journal D, 2022, 76, 1.	1.3	5
3	Controlling Lightâ€Induced Proton Transfer from the GFP Chromophore. ChemPhysChem, 2021, 22, 833-841.	2.1	4
4	Roadmap on dynamics of molecules and clusters in the gas phase. European Physical Journal D, 2021, 75, 1.	1.3	32
5	Controlling Lightâ€Induced Proton Transfer from the GFP Chromophore. ChemPhysChem, 2021, 22, 807-807.	2.1	1
6	Gas-phase studies of the retinal protonated Schiff base chromophore. European Physical Journal D, 2021, 75, 1.	1.3	0
7	Spectroscopy and photoisomerization of protonated Schiff-base retinal derivatives in vacuo. Physical Chemistry Chemical Physics, 2021, 23, 27227-27233.	2.8	3
8	Tuning fast excited-state decay by ligand attachment in isolated chlorophyll a. Physical Chemistry Chemical Physics, 2021, 24, 149-155.	2.8	4
9	Color tuning of chlorophyll a and b pigments revealed from gas-phase spectroscopy. Physical Chemistry Chemical Physics, 2020, 22, 20331-20336.	2.8	10
10	Frontispiece: Intrinsic Photophysics of Lightâ€harvesting Chargeâ€tagged Chlorophyll a and b Pigments. Chemistry - A European Journal, 2019, 25, .	3.3	0
11	Intrinsic Photophysics of Lightâ€harvesting Chargeâ€tagged Chlorophyll a and b Pigments. Chemistry - A European Journal, 2019, 25, 9153-9158.	3.3	21
12	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
13	Intrinsic photoisomerization dynamics of protonated Schiff-base retinal. Nature Communications, 2019, 10, 1210.	12.8	39
14	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
15	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
16	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
17	Counterion-controlled spectral tuning of the protonated Schiff-base retinal. Physical Review A, 2018, 98, .	2.5	13
18	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

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19	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
20	Absorption and luminescence spectroscopy of mass-selected flavin adenine dinucleotide mono-anions. Journal of Chemical Physics, 2018, 148, 214309.	3.0	14
21	Mechanism of resonant electron emission from the deprotonated GFP chromophore and its biomimetics. Chemical Science, 2017, 8, 3154-3163.	7.4	38
22	Origin of the Intrinsic Fluorescence of the Green Fluorescent Protein. Journal of the American Chemical Society, 2017, 139, 8766-8771.	13.7	75
23	Decoupling Electronic versus Nuclear Photoresponse of Isolated Green Fluorescent Protein Chromophores Using Short Laser Pulses. Physical Review Letters, 2016, 117, 243004.	7.8	22
24	PHOTO-STABILITY OF SUPER-HYDROGENATED PAHs DETERMINED BY ACTION SPECTROSCOPY EXPERIMENTS. Astrophysical Journal, 2016, 832, 24.	4.5	29
25	Analysis of ionic photofragments stored in an electrostatic storage ring. Review of Scientific Instruments, 2016, 87, 013111.	1.3	8
26	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
27	Characterization of a new electrostatic storage ring for photofragmentation experiments. Review of Scientific Instruments, 2015, 86, 063107.	1.3	23
28	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
29	UV Excitedâ€Šstate Photoresponse of Biochromophore Negative Ions. Angewandte Chemie - International Edition, 2014, 53, 9797-9801.	13.8	36
30	Photoresponse of the protonated Schiff-base retinal chromophore in the gas phase. Physical Chemistry Chemical Physics, 2013, 15, 19566.	2.8	17
31	Ultrafast dual photoresponse of isolated biological chromophores: link to the photoinduced mode-specific non-adiabatic dynamics in proteins. Faraday Discussions, 2013, 163, 297.	3.2	59
32	Formation and stability of hydrogenated PAHs in the gas phase. Astronomy and Astrophysics, 2013, 549, A84.	5.1	21
33	Photodissociation pathways and lifetimes of protonated peptides and their dimers. Journal of Chemical Physics, 2012, 136, 014307.	3.0	10
34	Direct and Indirect Electron Emission from the Green Fluorescent Protein Chromophore. Physical Review Letters, 2012, 109, 128101.	7.8	37
35	Probing the Barrier for Internal Rotation of the Retinal Chromophore. Angewandte Chemie - International Edition, 2012, 51, 8757-8761.	13.8	8
36	Absorption tuning of the green fluorescent protein chromophore: synthesis and studies of model compounds. Monatshefte FÃ¼r Chemie, 2011, 142, 709-715.	1.8	6

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37	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
38	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
39	Probing and Modeling the Absorption of Retinal Protein Chromophores inâ€…Vacuo. Angewandte Chemie - International Edition, 2010, 49, 1790-1793.	13.8	72
40	The photophysics of isolated protein chromophores. European Physical Journal D, 2009, 51, 5-14.	1.3	20
41	Photoabsorption studies of neutral green fluorescent protein model chromophores in vacuo. Physical Chemistry Chemical Physics, 2009, 11, 9996.	2.8	41
42	Synthesis and intrinsic optical properties of retinal Schiff base and Green Fluorescent Protein chromophores. , 2008, , .		0
43	Photodissociation pathways of gas-phase photoactive yellow protein chromophores. Physical Review E, 2008, 78, 051916.	2.1	27
44	SPECTROSCOPY OF NEUTRAL RETINAL AND GFP CHROMOPHORES IN THE GAS PHASE. , 2008, , 311-320.		1
45	The Gas-Phase Absorption Spectrum of a Neutral GFP Model Chromophore. Biophysical Journal, 2007, 92, 201-207.	0.5	57
46	S1andS2Excited States of Gas-Phase Schiff-Base Retinal Chromophores. Physical Review Letters, 2006, 96, 018304.	7.8	105
47	Novel retinylidene iminium salts for defining opsin shifts: synthesis and intrinsic chromophoric properties. Organic and Biomolecular Chemistry, 2006, 4, 1546.	2.8	15
48	Absorption Studies of Neutral Retinal Schiff Base Chromophores. Journal of Physical Chemistry A, 2006, 110, 12592-12596.	2.5	26
49	Tuning the Continuum Ground State Energy ofNO22â^’by Water Molecules. Physical Review Letters, 2005, 94, 223401.	7.8	16
50	Absorption Spectra of Photoactive Yellow Protein Chromophores in Vacuum. Biophysical Journal, 2005, 89, 2597-2604.	0.5	96
51	Absorption of Schiff-Base Retinal Chromophores in Vacuo. Journal of the American Chemical Society, 2005, 127, 12347-12350.	13.7	130
52	Electron Scattering on Centrosymmetric Molecular DianionsPt(CN)42â^’andPt(CN)62â^’. Physical Review Letters, 2004, 93, 203201.	7.8	16
53	Physics with electrostatic rings and traps. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, R57-R88.	1.5	103
54	Experimental studies of the photophysics of gas-phase fluorescent protein chromophores. Physical Chemistry Chemical Physics, 2004, 6, 2617-2627.	2.8	84

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55	Studies of Clusters and Biomolecules in ELISA. Hyperfine Interactions, 2003, 146/147, 283-291.	0.5	14
56	Electron-impact detachment of O3â¯, NO3â¯and SO2â¯ions. Physical Chemistry Chemical Physics, 2003, 5, 4814-4820.	2.8	20
57	Gas-phase absorption properties of DsRed model chromophores. Physical Chemistry Chemical Physics, 2003, 5, 3021-3026.	2.8	28
58	Dissociative recombination of dications. Journal of Chemical Physics, 2003, 119, 839-843.	3.0	12
59	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
60	Prediction of a CO22+layer in the atmosphere of Mars. Geophysical Research Letters, 2002, 29, 104-1-104-4.	4.0	83
61	Absorption Spectrum of the Green Fluorescent Protein Chromophore AnionIn Vacuo. Physical Review Letters, 2001, 87, 228102.	7.8	215
62	Dissociative Recombination of Polyatomic Molecular Ions: Branching Ratios and Isotopic Effects. Symposium - International Astronomical Union, 2000, 197, 265-271.	0.1	0
63	Stability of the Ground State Vinylidene AnionH2CCâ¯. Physical Review Letters, 2000, 84, 1128-1131.	7.8	30
64	Electron collisions with diatomic anions. Physical Review A, 1999, 60, 2882-2899.	2.5	53
65	Fast beam photofragment apparatus for studies of electronic and nuclear dynamics. Review of Scientific Instruments, 1999, 70, 3289-3298.	1.3	12
66	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
67	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}		

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73	Experimental studies of dielectronic recombination. AIP Conference Proceedings, 1993, , .	0.4	0
74	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