

Christophe Jouvét

List of Publications by Year in descending order

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74
papers

3,827
citations

126907

33
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118850

62
g-index

74
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74
docs citations

74
times ranked

1822
citing authors

#	ARTICLE	IF	CITATIONS
1	Excited-state hydrogen detachment and hydrogen transfer driven by repulsive $\tilde{\pi}\tilde{\sigma}^*$ states: A new paradigm for nonradiative decay in aromatic biomolecules. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1093-1100.	2.8	881
2	Orbitally selective chemical reaction in Hg \hat{c} H ₂ van der Waals complexes. <i>Journal of Chemical Physics</i> , 1986, 84, 1443-1450.	3.0	143
3	Ultrafast deactivation mechanisms of protonated aromatic amino acids following UV excitation. <i>Physical Chemistry Chemical Physics</i> , 2005, 7, 394-398.	2.8	135
4	Excited state hydrogen transfer dynamics in substituted phenols and their complexes with ammonia: $\tilde{\pi}\tilde{\sigma}^*$ — $\tilde{\pi}\tilde{\sigma}^*$ energy gap propensity and ortho-substitution effect. <i>Journal of Chemical Physics</i> , 2010, 133, 124313.	3.0	123
5	Reactivity of molecular clusters in the gas phase: proton-transfer reaction in neutral phenol-(ammonia) _n and phenol-(ethanamine) _n . <i>The Journal of Physical Chemistry</i> , 1990, 94, 5041-5048.	2.9	122
6	A forgotten channel in the excited state dynamics of phenol \hat{c} (ammonia) _n clusters: hydrogen transfer. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 893-900.	2.8	104
7	Ab initio Study of the Excited-State Deactivation Pathways of Protonated Tryptophan and Tyrosine. <i>Journal of the American Chemical Society</i> , 2007, 129, 6223-6231.	13.7	99
8	Photo-induced dissociation of protonated tryptophan TrpH ⁺ : A direct dissociation channel in the excited states controls the hydrogen atom loss. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 2628-2632.	2.8	89
9	Photochemistry in van der Waals complexes: Observation of the intermediate state of the Hg [*] ,Cl ₂ reaction. <i>Chemical Physics Letters</i> , 1983, 96, 426-428.	2.6	81
10	Intracluster hydrogen transfer followed by dissociation in the phenol \hat{c} (NH ₃) ₃ excited state: PhOH(S1) \hat{c} (NH ₃) ₃ \hat{c} PhO \hat{c} (NH ₄)(NH ₃) ₂ . <i>Journal of Chemical Physics</i> , 1999, 111, 10747-10749.	3.0	81
11	Resonance-enhanced multiphoton ionization spectra and ionization thresholds of phenol-(ammonia) _n clusters. <i>The Journal of Physical Chemistry</i> , 1988, 92, 3313-3315.	2.9	78
12	Experimental Femtosecond Photoionization of NaI. <i>Journal of Physical Chemistry A</i> , 1997, 101, 2555-2560.	2.5	74
13	Is there an Excited State Proton Transfer in phenol (or 1-naphthol)-ammonia clusters? Hydrogen Detachment and Transfer to Solvent: A key for non-radiative processes in clusters. <i>International Reviews in Physical Chemistry</i> , 2002, 21, 499-523.	2.3	73
14	Role of the Charge-Transfer State in the Electronic Absorption of Protonated Hydrocarbon Molecules. <i>Journal of the American Chemical Society</i> , 2010, 132, 17483-17489.	13.7	70
15	Electronic Spectra of the Protonated Indole Chromophore in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4420-4427.	2.5	70
16	On the role of dissociative $\tilde{\pi}\tilde{\sigma}^*$ states in the photochemistry of protonated tryptamine and tryptophan: An ab initio study. <i>Chemical Physics</i> , 2006, 324, 398-404.	1.9	66
17	Effect of protonation on the electronic structure of aromatic molecules: naphthaleneH ⁺ . <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 14456.	2.8	66
18	Picosecond Hydrogen Transfer in the Phenol-(NH ₃) _n =1-3 Excited State. <i>Journal of Physical Chemistry A</i> , 2000, 104, 9087-9090.	2.5	65

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19	New Method for Double-Resonance Spectroscopy in a Cold Quadrupole Ion Trap and Its Application to UVâ€“UV Hole-Burning Spectroscopy of Protonated Adenine Dimer. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2760-2764.	4.6	62
20	Excited states of protonated DNA/RNA bases. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 10643-10650.	2.8	60
21	Control of Bond-Cleaving Reactions of Free Protonated Tryptophan Ion by Femtosecond Laser Pulses. <i>Journal of Physical Chemistry A</i> , 2005, 109, 2417-2420.	2.5	59
22	Comprehensive characterization of the photodissociation pathways of protonated tryptophan. <i>Journal of Chemical Physics</i> , 2007, 127, 134313.	3.0	59
23	Excited-State Triple-Proton Transfer in 7-Azaindole(H ₂ O) ₂ and Reaction Path Studied by Electronic Spectroscopy in the Gas Phase and Quantum Chemical Calculations. <i>Journal of Physical Chemistry A</i> , 2010, 114, 11161-11166.	2.5	58
24	Mechanisms of photoinduced C ⁺ —C ⁺ bond breakage in protonated aromatic amino acids. <i>Journal of Chemical Physics</i> , 2008, 128, 164302.	3.0	55
25	Has the Excited State Proton Transfer Ever Been Observed in Phenol ⁺ (NH ₃) _n Molecular Clusters?. <i>Journal of Physical Chemistry A</i> , 2001, 105, 5971-5976.	2.5	53
26	Photofragmentation spectroscopy of cold protonated aromatic amines in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5250.	2.8	47
27	UV photoinduced dynamics in protonated aromatic amino acid. <i>European Physical Journal D</i> , 2009, 51, 109-116.	1.3	45
28	UV Photoinduced Dynamics of Conformer-Resolved Aromatic Peptides. <i>Chemical Reviews</i> , 2020, 120, 3296-3327.	47.7	44
29	Hydrogen transfer in excited pyrroleâ€“ammonia clusters. <i>Journal of Chemical Physics</i> , 2004, 120, 10101-10110.	3.0	43
30	Development of Ultravioletâ€“Ultraviolet Hole-Burning Spectroscopy for Cold Gas-Phase Ions. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1236-1240.	4.6	43
31	Excited state hydrogen transfer in fluorophenolâ€“ammonia clusters studied by two-color REMPI spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 114-121.	2.8	36
32	Excited State Dynamics of Protonated Phenylalanine and Tyrosine: Photo-Induced Reactions Following Electronic Excitation. <i>Journal of Physical Chemistry A</i> , 2015, 119, 5914-5924.	2.5	36
33	Proton-transfer reaction in the ground state of phenolâ€“ammonia clusters: an experimental study. <i>Chemical Physics Letters</i> , 1999, 310, 173-179.	2.6	34
34	Electronic spectra of 7-azaindole/ammonia clusters and their photochemical reactivity. <i>Journal of Chemical Physics</i> , 2008, 129, 104311.	3.0	33
35	Roadmap on dynamics of molecules and clusters in the gas phase. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	32
36	Characterization of neutral fragments issued from the photodissociation of protonated tryptophane. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 5330.	2.8	31

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37	Biradicalic excited states of zwitterionic phenol-ammonia clusters. <i>Journal of Chemical Physics</i> , 2009, 130, 024302.	3.0	31
38	Fluorescence excitation spectrum of the Si ⁺ Ar van der Waals complex. <i>Journal of Chemical Physics</i> , 1990, 92, 2828-2836.	3.0	30
39	Evaporation after ionization in molecular clusters: application to 1-naphthol ⁺ (NH ₃) _n . <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4316-4324.	2.8	30
40	Photon induced isomerization in the first excited state of the 7-azaindole ⁺ (H ₂ O) ₃ cluster. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 6325.	2.8	30
41	Ground State Proton Transfer in Phenol ⁺ (NH ₃) ₃ (n = 11) Clusters Studied by Mid-IR Spectroscopy in 3 ⁺ 10 ⁺ µm Range. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1522-1530.	2.5	30
42	Dissociative hydrogen transfer in indole ⁺ (NH ₃) _n clusters. <i>PhysChemComm</i> , 2001, 4, 21-23.	0.8	28
43	Non-radiative relaxation of UV photoexcited phenylalanine residues: probing the role of conical intersections by chemical substitution. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 2285.	2.8	28
44	A conformational study of protonated noradrenaline by UV ⁺ UV and IR dip double resonance laser spectroscopy combined with an electrospray and a cold ion trap method. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 10777-10785.	2.8	27
45	Photoinduced water splitting in pyridine water clusters. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25637-25644.	2.8	26
46	Real time monitoring of the evaporative cooling: Application to the dynamics of NaI-(NH ₃) _n clusters. <i>Journal of Chemical Physics</i> , 1999, 110, 1521-1525.	3.0	25
47	Twisted Intramolecular Charge Transfer in Protonated Amino Pyridine. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3797-3809.	2.5	21
48	UV spectroscopy of cold ions as a probe of the protonation site. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25755-25760.	2.8	20
49	Electron ⁺ Proton Decoupling in Excited ⁺ State Hydrogen Atom Transfer in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15089-15093.	13.8	20
50	Protonated salicylaldehyde: Electronic properties. <i>Chemical Physics</i> , 2012, 399, 224-231.	1.9	19
51	Revealing the role of excited state proton transfer (ESPT) in excited state hydrogen transfer (ESHT): systematic study in phenol ⁺ (NH ₃) ₃ clusters. <i>Chemical Science</i> , 2021, 12, 3836-3856.	7.4	18
52	Non-radiative processes in protonated diazines, pyrimidine bases and an aromatic azine. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 20126-20134.	2.8	17
53	Photoinduced water oxidation in pyrimidine ⁺ water clusters: a combined experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 12502-12514.	2.8	16
54	Role of the Intermolecular Vibrations in the Hydrogen Transfer Rate: The 3-Methylindole ⁺ NH ₃ Complex. <i>Journal of Physical Chemistry A</i> , 2006, 110, 9383-9387.	2.5	15

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55	Photodissociation Electronic Spectra of Cold Protonated Quinoline and Isoquinoline in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2017, 121, 2580-2587.	2.5	14
56	Excited state of protonated benzene and toluene. <i>Journal of Chemical Physics</i> , 2015, 143, 074303.	3.0	13
57	Dissociative photodetachment <i>vs.</i> photodissociation of aromatic carboxylates: the benzoate and naphthoate anions. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 1797-1804.	2.8	12
58	UV photodissociation spectroscopy of cryogenically cooled gas phase host-guest complex ions of crown ethers. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25925-25934.	2.8	11
59	Tautomerism and electronic spectroscopy of protonated 1- and 2-aminonaphthalene. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 6134-6145.	2.8	11
60	Hole-Burning Spectra of <i>m</i> -Fluorophenol/Ammonia (1:3) Clusters and Their Excited State Hydrogen Transfer Dynamics. <i>ChemPhysChem</i> , 2011, 12, 1928-1934.	2.1	10
61	Excited-State Dynamics of the 2-Hydroxypyridine~Ammonia Complex. <i>Journal of Physical Chemistry A</i> , 2010, 114, 3060-3066.	2.5	9
62	Electronic Spectroscopy of Protonated 1-Aminopyrene in a Cold Ion Trap. <i>Chemistry - an Asian Journal</i> , 2017, 12, 1523-1531.	3.3	9
63	Photodetachment of deprotonated aromatic amino acids: stability of the dehydrogenated radical depends on the deprotonation site. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 23346-23354.	2.8	9
64	Electron-Proton Transfer Mechanism of Excited-State Hydrogen Transfer in Phenol-(NH ₃) ₂ (n=3 and 5). <i>Chemistry - A European Journal</i> , 2018, 24, 881-890.	3.3	8
65	Influence of the N atom position on the excited state photodynamics of protonated azaindole. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 27280-27289.	2.8	7
66	Photofragmentation and electron detachment of aromatic phosphonate, sulfonate and phosphate oxyanions. <i>European Physical Journal D</i> , 2021, 75, 1.	1.3	6
67	Communication: Identification of daughter ions through their electronic spectroscopy at low temperature. <i>Journal of Chemical Physics</i> , 2014, 141, 131101.	3.0	5
68	Influence of the N atom and its position on electron photodetachment of deprotonated indole and azaindole. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 27290-27299.	2.8	5
69	Non-destructive detection of large molecules without mass limitation. <i>Journal of Chemical Physics</i> , 2021, 154, 184203.	3.0	4
70	Excited state hydrogen transfer dynamics in phenol-(NH ₃) ₂ studied by picosecond UV-near IR-UV time-resolved spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 5740-5748.	2.8	4
71	Pre-Dewar structure modulates protonated azaindole photodynamics. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 12346-12353.	2.8	4
72	Pseudorotaxanes in the gas phase: structure and energetics of protonated dibenzylamine-crown ether complexes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 18678-18687.	2.8	3

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73	Loss of CO ₂ from Monodeprotonated Phthalic Acid upon Photodissociation and Dissociative Electron Detachment. <i>Journal of Physical Chemistry A</i> , 2021, 125, 7406-7413.	2.5	2
74	Excited States Processes in Protonated Molecules Studied by Frequency-Domain Spectroscopy. , 2019, , 337-365.		0