Jean Christophe Loison

List of Publications by Year
in descending order

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145 papers	5,244 citations	87888 38 h-index	106344 65 g-index
147 all docs	147 docs citations	147 times ranked	3119 citing authors

#	Article	IF	Citations
1	A KINETIC DATABASE FOR ASTROCHEMISTRY (KIDA). Astrophysical Journal, Supplement Series, 2012, 199, 21.	7.7	436
2	THE 2014 KIDA NETWORK FOR INTERSTELLAR CHEMISTRY. Astrophysical Journal, Supplement Series, 2015, 217, 20.	7.7	291
3	Reaction Networks for Interstellar Chemical Modelling: Improvements and Challenges. Space Science Reviews, 2010, 156, 13-72.	8.1	225
4	Binding energies: New values and impact on the efficiency of chemical desorption. Molecular Astrophysics, 2017, 6, 22-35.	1.6	145
5	Isotopic fractionation of carbon, deuterium, and nitrogen: a full chemical study. Astronomy and Astrophysics, 2015, 576, A99.	5.1	129
6	On the reservoir of sulphur in dark clouds: chemistry and elemental abundance reconciled. Monthly Notices of the Royal Astronomical Society, 2017, 469, 435-447.	4.4	129
7	Oxygen depletion in dense molecular clouds: a clue to a low O₂abundance?. Astronomy and Astrophysics, 2011, 530, A61.	5.1	121
8	CRITICAL REVIEW OF N, N ⁺ , N ⁺ ₂ , N ⁺⁺ , And N ⁺⁺ ₂ MAIN PRODUCTION PROCESSES AND REACTIONS OF RELEVANCE TO TITAN'S ATMOSPHERE. Astrophysical Journal, Supplement Series, 2013, 204, 20.	7.7	118
9	Modelling complex organic molecules in dense regions: Eleyâ€“Rideal and complex induced reaction. Monthly Notices of the Royal Astronomical Society, 2015, 447, 4004-4017.	4.4	118
10	The neutral photochemistry of nitriles, amines and imines in the atmosphere of Titan. Icarus, 2015, 247, 218-247.	2.5	118
11	1D-coupled photochemical model of neutrals, cations and anions in the atmosphere of Titan. Icarus, 2016, 268, 313-339.	2.5	109
12	The interstellar gas-phase chemistry of HCN and HNC. Monthly Notices of the Royal Astronomical Society, 2014, 443, 398-410.	4.4	90
13	A NEW REFERENCE CHEMICAL COMPOSITION FOR TMC-1. Astrophysical Journal, Supplement Series, 2016, 225, 25.	7.7	86
14	Coupling of oxygen, nitrogen, and hydrocarbon species in the photochemistry of Titanâ€™s atmosphere. Icarus, 2014, 228, 324-346.	2.5	74
15	Elemental nitrogen partitioning in dense interstellar clouds. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 10233-10238.	7.1	73
16	Ring-Polymer Molecular Dynamics for the Prediction of Low-Temperature Rates: An Investigation of the C(¹D) + H₂ Reaction. Journal of Physical Chemistry Letters, 2015, 6, 4194-4199.	4.6	69
17	Gas phase Elemental abundances in Molecular cloudS (GEMS). Astronomy and Astrophysics, 2019, 624, A105.	5.1	66
18	Photochemistry of C₃H_{<i>p</i>}hydrocarbons in Titanâ€™s stratosphere revisited. Astronomy and Astrophysics, 2013, 552, A132.	5.1	65

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19	The interstellar chemistry of H₂C₃O isomers. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4101-4110.	4.4	63
20	Reaction of carbon atoms, C (2p2, 3P) with C2H2, C2H4 and C6H6: Overall rate constant and relative atomic hydrogen production. Physical Chemistry Chemical Physics, 2001, 3, 2038-2042.	2.8	60
21	Synchrotron-based double imaging photoelectron/photoion coincidence spectroscopy of radicals produced in a flow tube: OH and OD. Journal of Chemical Physics, 2015, 142, 164201.	3.0	60
22	Photofragment excitation spectroscopy of the formyl (HCO/DCO) radical: Linewidths and predissociation rates of theÃƒ(Ã¢€˜) state. Journal of Chemical Physics, 1991, 94, 1796-1802.	3.0	58
23	The interstellar chemistry of C3H and C3H2 isomers. Monthly Notices of the Royal Astronomical Society, 2017, 470, 4075-4088.	4.4	58
24	Rate constants and the H atom branching ratio of the reactions of the methylidyne CH(X²Î) radical with C₂H₂, C₂H₄, C₃H₄(methylacetylene and allene), C₃H₆(propene) and C₄H₈(trans-butene). Physical Chemistry Chemical Physics, 2009, 11, 655-664.	2.8	57
25	The gas-phase chemistry of carbon chains in dark cloud chemical models. Monthly Notices of the Royal Astronomical Society, 2013, 437, 930-945.	4.4	57
26	Neutral production of hydrogen isocyanide (HNC) and hydrogen cyanide (HCN) in Titanâ€™s upper atmosphere. Astronomy and Astrophysics, 2012, 541, A21.	5.1	56
27	First Detection of Interstellar S₂H. Astrophysical Journal Letters, 2017, 851, L49.	8.3	55
28	Photolysis of methane revisited at 121.6 nm and at 118.2 nm: quantum yields of the primary products, measured by mass spectrometry. Physical Chemistry Chemical Physics, 2011, 13, 8140.	2.8	50
29	The fast C(³P) + CH₃OH reaction as an efficient loss process for gas-phase interstellar methanol. RSC Advances, 2014, 4, 26342-26353.	3.6	47
30	Detection of CH_{3}SH in protostar IRAS 16293-2422. Monthly Notices of the Royal Astronomical Society, 2016, 458, 1859-1865.	4.4	47
31	Gasâ€Phase Kinetics of Hydroxyl Radical Reactions with Alkenes: Experiment and Theory. ChemPhysChem, 2010, 11, 4002-4010.	2.1	45
32	Reaction of methylidyne radical with CH4 and H2S: overall rate constant and absolute atomic hydrogen production. Chemical Physics, 2002, 279, 87-99.	1.9	43
33	The photochemical production of aromatics in the atmosphere of Titan. Icarus, 2019, 329, 55-71.	2.5	43
34	Observation of a parallel recoil distribution from a perpendicular absorption transition in formyl radicals HCO and DCO. The Journal of Physical Chemistry, 1991, 95, 8013-8018.	2.9	41
35	Experimental and Theoretical Studies of the Methylidyne CH(X2Î) Radical Reaction with Ethane (C2H6): Overall Rate Constant and Product Channels. Journal of Physical Chemistry A, 2003, 107, 5419-5426.	2.5	40
36	Quantum Tunneling Enhancement of the C + H₂O and C + D₂O Reactions at Low Temperature. Journal of Physical Chemistry Letters, 2016, 7, 3641-3646.	4.6	39

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37	Product Branching Ratios of the CH + NO Reaction. Journal of Physical Chemistry A, 1998, 102, 8124-8130.	2.5	38
38	Fast-flow study of the C+NO and C+O2 reactions. Chemical Physics Letters, 1999, 308, 7-12.	2.6	38
39	Absolute Photoionization Cross Section of the Ethyl Radical in the Range 8â€“11.5 eV: Synchrotron and Vacuum Ultraviolet Laser Measurements. Journal of Physical Chemistry A, 2011, 115, 5387-5396.	2.5	37
40	THE C(³P) + NH₃REACTION IN INTERSTELLAR CHEMISTRY. II. LOW TEMPERATURE RATE CONSTANTS AND MODELING OF NH, NH₂, AND NH₃ABUNDANCES IN DENSE INTERSTELLAR CLOUDS. Astrophysical Journal, 2015, 812, 107.	4.5	37
41	THE C(³P) + NH₃REACTION IN INTERSTELLAR CHEMISTRY. I. INVESTIGATION OF THE PRODUCT FORMATION CHANNELS. Astrophysical Journal, 2015, 812, 106.	4.5	37
42	Methylacetylene (CH3CCH) and propene (C3H6) formation in cold dense clouds: A case of dust grain chemistry. Molecular Astrophysics, 2016, 3-4, 1-9.	1.6	37
43	An Approach to Estimate the Binding Energy of Interstellar Species. Astrophysical Journal, Supplement Series, 2018, 237, 9.	7.7	37
44	The ALMA-PILS survey: First detection of nitrous acid (HONO) in the interstellar medium. Astronomy and Astrophysics, 2019, 623, L13.	5.1	37
45	CO product distributions from the visible photodissociation of HCO. Journal of Chemical Physics, 1992, 97, 9036-9045.	3.0	34
46	Review of OCS gas-phase reactions in dark cloud chemical models. Monthly Notices of the Royal Astronomical Society, 2012, 421, 1476-1484.	4.4	34
47	Low temperature rate constants for the N(4S) + CH(X2Îr) reaction. Implications for N2 formation cycles in dense interstellar clouds. Physical Chemistry Chemical Physics, 2013, 15, 13888.	2.8	34
48	Low Temperature Rate Constants for the Reactions of O(¹D) with N₂, O₂, and Ar. Journal of Physical Chemistry A, 2016, 120, 4838-4844.	2.5	34
49	A sensitivity study of the neutral-neutral reactions CÂ+ÂC$_{sf 3}$ and CÂ+ÂC$_{sf 5}$ in cold dense interstellar clouds. Astronomy and Astrophysics, 2009, 495, 513-521.	5.1	33
50	Theoretical and experimental investigations of rate coefficients of O(1D) + CH4 at low temperature. Physical Chemistry Chemical Physics, 2016, 18, 29286-29292.	2.8	33
51	An Experimental and Theoretical Investigation of the C(¹D) + N₂ â†’ C(³P) + N₂ Quenching Reaction at Low Temperature. Journal of Physical Chemistry A, 2016, 120, 2504-2513.	2.5	32
52	Determination of the CH + O2 product channels. Faraday Discussions, 2001, 119, 67-77.	3.2	31
53	Abundances of sulphur molecules in the Horsehead nebula. Astronomy and Astrophysics, 2019, 628, A16.	5.1	31
54	Kinetics and mechanisms of the reaction of CH with H2O. Chemical Physics Letters, 2009, 480, 21-25.	2.6	30

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55	The photochemistry of the formyl radical: Energy content of the photoproducts. Journal of Chemical Physics, 1990, 92, 6332-6333.	3.0	29
56	Gas-Phase Kinetics of Hydroxyl Radical Reactions with C₃H₆and C₄H₈: Product Branching Ratios and OH Addition Site-Specificity. Journal of Physical Chemistry A, 2010, 114, 13326-13336.	2.5	29
57	Isocyanogen formation in the cold interstellar medium. Astronomy and Astrophysics, 2019, 625, A91.	5.1	29
58	Chemical nitrogen fractionation in dense molecular clouds. Monthly Notices of the Royal Astronomical Society, 2019, 484, 2747-2756.	4.4	29
59	Absolute Photoionization Cross Section of the Methyl Radical. Journal of Physical Chemistry A, 2010, 114, 6515-6520.	2.5	28
60	The ALMA-PILS survey: first detection of the unsaturated 3-carbon molecules Propenal (C₂H₃CHO) and Propylene (C₃H₆) towards IRAS 16293â€“2422 B. Astronomy and Astrophysics, 2021, 645, A53.	5.1	28
61	Solid-state formation of CO₂via the H₂CO + O reaction. Astronomy and Astrophysics, 2015, 577, A2.	5.1	27
62	Oxygen fractionation in dense molecular clouds. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5777-5789.	4.4	27
63	The photochemical fractionation of oxygen isotopologues in Titanâ€™s atmosphere. Icarus, 2017, 291, 17-30.	2.5	26
64	Efficiency of non-thermal desorptions in cold-core conditions. Astronomy and Astrophysics, 2021, 652, A63.	5.1	26
65	Molecules Oriented by Brute Force. Europhysics News, 1996, 27, 12-15.	0.3	25
66	Fast-Flow Study of the CH + CH Reaction Products. Journal of Physical Chemistry A, 1999, 103, 6360-6365.	2.5	25
67	Reaction of Carbon Atoms, C (2p2,3P), with Hydrogen Sulfide, H2S (X1A1):Â Overall Rate Constant and Product Channels. Journal of Physical Chemistry A, 2001, 105, 9893-9900.	2.5	24
68	Reaction of carbon atoms, C (2p2, 3P) with C3H4(allene and methylacetylene), C3H6(propylene) and C4H8(trans-butene): Overall rate constants and atomic hydrogen branching ratios.. Physical Chemistry Chemical Physics, 2004, 6, 5396.	2.8	24
69	Unusual Low-Temperature Reactivity of Water: The CH + H₂O Reaction as a Source of Interstellar Formaldehyde?. Journal of Physical Chemistry Letters, 2013, 4, 2843-2846.	4.6	24
70	Methyl isocyanate (CH3NCO): an important missing organic in current astrochemical networks. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 473, L59-L63.	3.3	23
71	Gas-grain model of carbon fractionation in dense molecular clouds. Monthly Notices of the Royal Astronomical Society, 2020, 498, 4663-4679.	4.4	23
72	Spectroscopy of pendular states: Determination of the electric dipole moment of ICl in the Xâ€‰1Î£+(vâ€³=0) and Aâ€‰3Î1(vâ€²=6â€“29) levels. Journal of Chemical Physics, 1997, 106, 477-484.	3.0	22

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73	Threshold photoelectron spectroscopy of the imidogen radical. Journal of Electron Spectroscopy and Related Phenomena, 2015, 203, 25-30.	1.7	22
74	Valence shell threshold photoelectron spectroscopy of C₃H_x (<i>x</i> =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.8	22
75	Molecular Axis Orientation by the "Brute Force" Method. The Journal of Physical Chemistry, 1995, 99, 13591-13596.	2.9	21
76	Methyl cyanide (CH3CN) and propyne (CH3CCH) in the low-mass protostar IRAS 16293â€“2422. Monthly Notices of the Royal Astronomical Society, 2018, 481, 5651-5659.	4.4	20
77	Rate Constants and H Atom Branching Ratios of the Gas-Phase Reactions of Methylidyne CH(X2Î) Radical with a Series of Alkanes. Journal of Physical Chemistry A, 2006, 110, 13500-13506.	2.5	19
78	Synchrotron-based valence shell photoionization of CH radical. Journal of Chemical Physics, 2016, 144, 204307.	3.0	19
79	Temperature dependent product yields for the spin forbidden singlet channel of the C(3P) + C2H2 reaction. Chemical Physics Letters, 2016, 659, 70-75.	2.6	19
80	Diborene: Generation and Photoelectron Spectroscopy of an Inorganic Biradical. Journal of Physical Chemistry Letters, 2018, 9, 5921-5925.	4.6	19
81	A low temperature investigation of the N(²D) + CH₄, C₂H₆ and C₃H₈ reactions. Physical Chemistry Chemical Physics, 2019, 21, 6574-6581.	2.8	19
82	Gas-Phase Kinetics of the Hydroxyl Radical Reaction with Allene: Absolute Rate Measurements at Low Temperature, Product Determinations, and Calculations. Journal of Physical Chemistry A, 2012, 116, 10871-10881.	2.5	18
83	Gas-Phase Reaction of Hydroxyl Radical with Hexamethylbenzene. Journal of Physical Chemistry A, 2012, 116, 12189-12197.	2.5	18
84	The evolution of infalling sulfur species in Titanâ€™s atmosphere. Astronomy and Astrophysics, 2014, 572, A58.	5.1	18
85	An experimental and theoretical investigation of the N(⁴S) + C₂(¹Î£_g⁺) reaction at low temperature. Physical Chemistry Chemical Physics, 2014, 16, 14212-14219.	2.8	17
86	A proposed chemical scheme for HCCO formation in cold dense clouds. Monthly Notices of the Royal Astronomical Society: Letters, 2015, 453, L48-L52.	3.3	17
87	Vacuum ultraviolet photodynamics of the methyl peroxy radical studied by double imaging photoelectron photoion coincidences. Journal of Chemical Physics, 2020, 152, 104301.	3.0	17
88	Gas phase Elemental abundances in Molecular cloudS (GEMS). Astronomy and Astrophysics, 2021, 646, A5.	5.1	17
89	Photoinduced chemical reaction in the nitrogen dioxide-ethene van der Waals complex. The Journal of Physical Chemistry, 1991, 95, 9192-9196.	2.9	16
90	Photodissociation of ICl molecules oriented in an electric field. Direct determination of the sign of the dipole moment. Chemical Physics Letters, 1995, 244, 195-198.	2.6	15

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91	Experimental Revaluation of the Importance of the Abstraction Channel in the Reactions of Monoterpenes with OH Radicals. ChemPhysChem, 2010, 11, 3962-3970.	2.1	15
92	Rate constants for the N(²D) + C₂H₂ reaction over the 50â€“296 K temperature range. Physical Chemistry Chemical Physics, 2019, 21, 22230-22237.	2.8	15
93	Sulphur and carbon isotopes towards Galactic centre clouds. Astronomy and Astrophysics, 2020, 642, A222.	5.1	15
94	Hyperfine structure of pendular states and the sign of the dipole moment of ICl A state. Journal of Chemical Physics, 1994, 101, 3514-3519.	3.0	14
95	Valence shell threshold photoelectron spectroscopy of the CH<i>x</i>CN (<i>x</i> = 0-2) and CNC radicals. Journal of Chemical Physics, 2017, 147, 013908.	3.0	14
96	Threshold photoelectron spectrum of the CH₂OO Criegee intermediate. Physical Chemistry Chemical Physics, 2019, 21, 12763-12766.	2.8	14
97	Assignment of high-lying bending mode levels in the threshold photoelectron spectrum of NH₂: a comparison between pyrolysis and fluorine-atom abstraction radical sources. Physical Chemistry Chemical Physics, 2015, 17, 19507-19514.	2.8	12
98	Unveiling the Ionization Energy of the CN Radical. Journal of Physical Chemistry Letters, 2017, 8, 4038-4042.	4.6	12
99	1D photochemical model of the ionosphere and the stratosphere of Neptune. Icarus, 2020, 335, 113375.	2.5	12
100	Identifying isomers of peroxy radicals in the gas phase: 1-C₃H₇O₂<i>vs.</i> 2-C₃H₇O₂. Chemical Communications, 2020, 56, 15525-15528.	4.1	12
101	Photodissociation dynamics of 3-cyclopentenone: using the impact parameter distribution as a criterion for concertedness. The Journal of Physical Chemistry, 1992, 96, 4188-4195.	2.9	11
102	On the B state of ICl molecule: hyperfine structure and hyperfine predissociation. Chemical Physics, 1994, 181, 209-216.	1.9	11
103	The photochemical fractionation of nitrogen isotopologues in Titanâ€™s atmosphere. Icarus, 2018, 307, 371-379.	2.5	11
104	Threshold Photoelectron Spectrum of the Anilino Radical. Journal of Physical Chemistry A, 2019, 123, 9193-9198.	2.5	11
105	Valence-Shell Photoionization of C₄H₅: The 2-Butyn-1-yl Radical. Journal of Physical Chemistry A, 2019, 123, 1521-1528.	2.5	11
106	Photoelectron spectroscopy of boron-containing reactive intermediates using synchrotron radiation: BH₂, BH, and BF. Physical Chemistry Chemical Physics, 2020, 22, 1027-1034.	2.8	11
107	The ALMA-PILS survey: First tentative detection of 3-hydroxypropenal (HOCHCHCHO) in the interstellar medium and chemical modeling of the C₃H₄O₂ isomers. Astronomy and Astrophysics, 2022, 660, L6.	5.1	11
108	Gas-Phase Kinetics of the N + C₂N Reaction at Low Temperature. Journal of Physical Chemistry A, 2015, 119, 3194-3199.	2.5	10

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109	Kinetic study of OH radical reactions with chlorobutane isomers at 298K. Chemical Physics Letters, 1998, 296, 350-356.	2.6	9
110	Photochemical response to the variation of temperature in the 2011â˘’2012 stratospheric vortex of Saturn. Astronomy and Astrophysics, 2015, 580, A55.	5.1	9
111	Ab initio study of the C+HNC, N+C2H, H+C2N and H+CNC reactions. Chemical Physics Letters, 2015, 635, 174-179.	2.6	9
112	Renner-Teller effects in the photoelectron spectra of CNC, CCN, and HCCN. Journal of Chemical Physics, 2018, 148, 054302.	3.0	9
113	Experimental and theoretical threshold photoelectron spectra of methylene. Journal of Chemical Physics, 2018, 149, 224304.	3.0	9
114	Threshold photoelectron spectroscopy of the methoxy radical. Journal of Chemical Physics, 2020, 153, 031101.	3.0	9
115	Comparison between the Photo Induced Chemical Reaction in the NO₂ â€“ C₂H₄ van der Waals Complex and the O + C₂H₄ Gas Phase Reaction. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1992, 96, 1142-1148.	0.9	8
116	CN(A2Îiâ†'X2Î£+) chemiluminescence from the N+C2N, N+CCl, and N+C2 reactions under low-pressure fast-flow conditions. Chemical Physics Letters, 2000, 324, 1-6.	2.6	8
117	Communication: On the first ionization threshold of the C2H radical. Journal of Chemical Physics, 2017, 146, 011101.	3.0	8
118	High-resolution one-photon absorption spectroscopy of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si16.gif" overflow="scroll"><mml:mrow><mml:mi>D</mml:mi><mml:mspace width="0.16em" /><mml:msup><mml:mrow /><mml:mn>2</mml:mn></mml:msup><mml:msup><mml:mstyle mathvariant="normal"><mml:mi>Î£</mml:mi></mml:mstyle><mml:mo>â˘’</mml:mo></mml:msup><mml:mo>â†</mml:mo><mml:mi>X width="0.16em" /><mml:msup><mml:mrow /><mml:mn>2</mml:mn></mml:msup><mml:mstyle mathvarian	2.3	8
119	The absolute photoionization cross section of the mercapto radical (SH) from threshold up to 15.0 eV. Physical Chemistry Chemical Physics, 2019, 21, 25907-25915.	2.8	8
120	A kinetic study of the N(²D) + C₂H₄ reaction at low temperature. Physical Chemistry Chemical Physics, 2020, 22, 14026-14035.	2.8	8
121	Threshold photoelectron spectroscopy of the HO2 radical. Journal of Chemical Physics, 2020, 153, 124306.	3.0	7
122	VUV photoionization of the CH2NC radical: adiabatic ionization energy and cationic vibrational mode wavenumber determinations. Physical Chemistry Chemical Physics, 2020, 22, 12496-12501.	2.8	7
123	To see C2: Single-photon ionization of the dicarbon molecule. Journal of Chemical Physics, 2020, 152, 041105.	3.0	7
124	Kinetic Study of the Gas-Phase C(³P) + CH₃CN Reaction at Low Temperatures: Rate Constants, H-Atom Product Yields, and Astrochemical Implications. ACS Earth and Space Chemistry, 2021, 5, 824-833.	2.7	7
125	Photoinduced chemical reaction in NO2â€“C2H4Van der Waals complex: detection of vinyloxyl and formyl radicals and hydrogen atoms. Faraday Discussions, 1994, 97, 379-390.	3.2	6
126	Origin band of the first photoionizing transition of hydrogen isocyanide. Physical Chemistry Chemical Physics, 2019, 21, 2337-2344.	2.8	6

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127	Quantifying the photoionization cross section of the hydroxyl radical. Journal of Chemical Physics, 2019, 150, 141103.	3.0	6
128	Reinvestigation of the rotation-tunneling spectrum of the CH₂OH radical. Astronomy and Astrophysics, 2020, 644, A123.	5.1	6
129	Discharge flow tube coupled to time-of-flight mass spectrometry detection for kinetic measurements of interstellar and atmospheric interests. Review of Scientific Instruments, 2005, 76, 053105.	1.3	5
130	Experimental and Theoretical Study of the Chemical Network of the Hydrogenation of NO on Interstellar Dust Grains. ACS Earth and Space Chemistry, 2019, 3, 1196-1207.	2.7	5
131	Single-center approach for photodetachment and radiative electron attachment: Comparison with other theoretical approaches and with experimental photodetachment data. Physical Review A, 2019, 99, .	2.5	5
132	Chemical compositions of five <i>Planck</i> cold clumps. Astronomy and Astrophysics, 2021, 647, A172.	5.1	5
133	Photoelectron spectroscopy of low valent organophosphorus compounds, Pâ€“CH₃, Hâ€“Pî€CH₂ and Pî€CH₂. Physical Chemistry Chemical Physics, 2022, 24, 10993-10999.	2.8	5
134	Photoionization of C₄H₅ Isomers. Journal of Physical Chemistry A, 2020, 124, 6050-6060.	2.5	4
135	Characterisation of the first electronically excited state of protonated acetylene C2H3+ by coincident imaging photoelectron spectroscopy. Molecular Physics, 2021, 119, e1825851.	1.7	4
136	Photoionization Cross Section of the NH₂ Free Radical in the 11.1â€“15.7 eV Energy Range. Journal of Physical Chemistry A, 2021, 125, 2764-2769.	2.5	4
137	An Experimental and Theoretical Investigation of the Gas-Phase C(³P) + N₂O Reaction. Low Temperature Rate Constants and Astrochemical Implications. Journal of Physical Chemistry A, 2022, 126, 940-950.	2.5	4
138	Photoionization spectroscopy of the SiH free radical in the vacuum-ultraviolet range. Journal of Chemical Physics, 2022, 157, .	3.0	4
139	One dimension photochemical models in global mean conditions in question: Application to Titan. Icarus, 2021, 364, 114477.	2.5	3
140	High resolution threshold photoelectron spectrum and autoionization processes of S2 up to 15.0ÂeV. Journal of Molecular Spectroscopy, 2021, 381, 111533.	1.2	3
141	Kinetic Study of the Gas-Phase O(¹D) + CH₃OH and O(¹D) + CH₃CN Reactions: Low-Temperature Rate Constants and Atomic Hydrogen Product Yields. Journal of Physical Chemistry A, 2022, 126, 3903-3913.	2.5	3
142	Tunneling motion and splitting in the CH2OH radical: (Sub-)millimeter wave spectrum analysis. Journal of Chemical Physics, 2022, 156, .	3.0	3
143	Tunneling Enhancement of the Gas-Phase CH + CO₂ Reaction at Low Temperature. Journal of Physical Chemistry A, 2020, 124, 10717-10725.	2.5	1
144	Threshold Photoelectron Spectroscopy of the CH₂I, CHI, and CI Radicals. Journal of Physical Chemistry A, 2021, 125, 6122-6130.	2.5	1

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145	Quasi-symmetry effects in the threshold photoelectron spectrum of methyl isocyanate. Journal of Chemical Physics, 2020, 153, 074308.	3.0	0