

Jean Claude Guillemin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

351
papers

5,161
citations

33
h-index

51
g-index

383
ext. papers

5,652
ext. citations

3.5
avg, IF

5.49
L-index

#	Paper	IF	Citations
351	Synchrotron-based far-infrared spectroscopy of HC ₃ N: Extended ro-vibrational analysis and new line list up to 3360 cm ⁻¹ . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2022 , 279, 108044	2.1	0
350	Gas-phase identification of (E)-1,2-ethenediol, a key prebiotic intermediate in the formose reaction.. <i>Chemical Communications</i> , 2022 ,	5.8	3
349	Rotational spectroscopy of isotopic oxirane, c-C ₂ H ₄ O. <i>Journal of Molecular Spectroscopy</i> , 2022 , 384, 111584	5.8	1
348	Phosphorescence of Hydrogen-Capped Linear Polyynes C ₈ H ₂ , C ₁₀ H ₂ and C ₁₂ H ₂ in Solid Hexane Matrices at 20 K. <i>Photochem</i> , 2022 , 2, 181-201		0
347	Phosphorescence of C ₅ N _n in Rare Gas Solids. <i>Photochem</i> , 2022 , 2, 263-271		
346	Precursors of the RNA World in Space: Detection of (Z)-1,2-ethenediol in the Interstellar Medium, a Key Intermediate in Sugar Formation. <i>Astrophysical Journal Letters</i> , 2022 , 929, L11	7.9	6
345	Rotational spectroscopic study and astronomical search for propiolamide in Sgr B2(N). <i>Astronomy and Astrophysics</i> , 2021 , 647,	5.1	1
344	Rotational spectroscopy of isotopic cyclopropenone, c-H ₂ C ₃ O, and determination of its equilibrium structure. <i>Astronomy and Astrophysics</i> , 2021 , 647, A179	5.1	4
343	High-Resolution Infrared Spectroscopy of DC ₃ N in the Stretching Region. <i>Frontiers in Astronomy and Space Sciences</i> , 2021 , 8,	3.8	2
342	Organic residues in astrophysical ice analogues: Thermal processing of hydrogenated glyoxal ices under interstellar conditions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 2181-2189	4.3	1
341	Rotational spectroscopy of imidazole: Accurate spectroscopic information for three vibrationally excited states and the heavy-atom isotopologues up to 295 GHz. <i>Journal of Molecular Spectroscopy</i> , 2021 , 378, 111452	1.3	0
340	Millimeter- and submillimeter-wave spectrum of trans-formaldoxime (CH ₂ NOH). <i>Astronomy and Astrophysics</i> , 2021 , 649, A60	5.1	2
339	Torsional-rotational spectrum of doubly deuterated dimethyl ether (CH ₃ OCHD ₂). <i>Astronomy and Astrophysics</i> , 2021 , 651, A120	5.1	1
338	Structural and thermochemical studies of pyrrolidine borane and piperidine borane by gas electron diffraction and quantum chemical calculations. <i>Structural Chemistry</i> , 2021 , 32, 205-213	1.8	
337	An Efficient Photochemical Route Towards Triplet Ethynylphosphinidene, HCCP. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6400-6402	16.4	1
336	An Efficient Photochemical Route Towards Triplet Ethynylphosphinidene, HCCP. <i>Angewandte Chemie</i> , 2021 , 133, 6470-6472	3.6	0
335	Hydrogenation of glycolaldehyde to ethylene glycol at 10 K. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 2632-2642	4.3	1

334	Quasi-symmetry effects in the threshold photoelectron spectrum of methyl isocyanate. <i>Journal of Chemical Physics</i> , 2020 , 153, 074308	3.9	
333	VUV photoionization of the CHNC radical: adiabatic ionization energy and cationic vibrational mode wavenumber determinations. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 12496-12501	3.6	3
332	Submillimeter-wave spectroscopy of and interstellar search for thioacetaldehyde. <i>Journal of Molecular Spectroscopy</i> , 2020 , 371, 111304	1.3	4
331	Spectroscopy of methylcyanodiacetylene revisited. Solid parahydrogen and solid neon matrix studies. <i>Journal of Molecular Structure</i> , 2020 , 1218, 128437	3.4	1
330	Rotational spectroscopic study of S-methyl thioformate: A global laboratory analysis of ground and excited torsional states up to 660 GHz. <i>Astronomy and Astrophysics</i> , 2020 , 644, A102	5.1	2
329	Submillimeter-wave spectroscopy and the radio-astronomical investigation of propynethial (HC ₃ CCHS). <i>Astronomy and Astrophysics</i> , 2020 , 642, A206	5.1	3
328	Solid-state formation of CO and H ₂ CO via the CHOCHO + H reaction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 491, 289-301	4.3	4
327	Millimeter wave spectroscopy of cyanoketene (NC ₂ H=C=O) and an observational search in the ISM. <i>Astronomy and Astrophysics</i> , 2020 , 638, A3	5.1	2
326	Extensive ro-vibrational analysis of deuterated-cyanoacetylene (DC ₃ N) from millimeter-wavelengths to the infrared domain. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020 , 254, 107221	2.1	3
325	Phosphorescence excitation mapping and vibrational spectroscopy of HC ₉ N and HC ₁₁ N cyanopolynes in organic solvents. <i>Journal of Molecular Structure</i> , 2020 , 1214, 128201	3.4	4
324	Unimolecular decomposition of methyl ketene and its dimer in the gas phase: theory and experiment. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 20394-20408	3.6	1
323	Formation of amines: hydrogenation of nitrile and isonitrile as selective routes in the interstellar medium. <i>Astronomy and Astrophysics</i> , 2019 , 628, A15	5.1	8
322	Photoionization and dissociative photoionization of propynal in the gas phase: theory and experiment. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 14053-14062	3.6	5
321	Synthesis and Reactivity of 5-Bromopenta-2,4-diyenenitrile (BrC ₅ N): an Access to π-Conjugated Scaffolds. <i>Helvetica Chimica Acta</i> , 2019 , 102, e1800232	2	3
320	Origin band of the first photoionizing transition of hydrogen isocyanide. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 2337-2344	3.6	3
319	Isomerization of cyanopropyne in solid argon. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 13668-13678	3.6	4
318	Formation of methyl ketenimine (CH ₃ CH=C=NH) and ethylcyanide (CH ₃ CH ₂ C ₂ N) isomers through successive hydrogenations of acrylonitrile (CH ₂ =CHC ₂ N) under interstellar conditions: The role of CH ₃ CH ₂ C ₂ N radical in the activation of the cyano group chemistry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 485, 5210-5220	4.3	7
317	Fourier transform microwave spectroscopy of Criegee intermediates: The conformational behaviour of butyraldehyde oxide. <i>Journal of Chemical Physics</i> , 2019 , 150, 104301	3.9	9

316	Synthesis of N-unsubstituted cycloalkylimines containing a 4 to 8-membered ring. <i>Chemical Communications</i> , 2019 , 55, 5647-5650	5.8	1
315	Photochemistry of XCHCN (X = -Cl, -SH) in Argon Matrices. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 3818-3830	2.8	2
314	Alkaline and Alkaline-earth Cyanoacetylides: A Combined Theoretical and Rotational Spectroscopic Investigation. <i>Journal of Chemical Physics</i> , 2019 , 151,	3.9	1
313	Direct Experimental Observation of in situ Dehydrogenation of an Amine-Borane System Using Gas Electron Diffraction. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 7104-7112	2.8	3
312	Spectroscopic Studies on Hydrazine-Boranes, Key Compounds for Chemical Hydrogen Storage. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 6003-6015	2.8	1
311	Vibronic structure of the cyanobutadiyne cation. I. VUV photoionization study of HCN. <i>Journal of Chemical Physics</i> , 2019 , 150, 244304	3.9	1
310	The Laboratory Millimeter and Submillimeter Rotational Spectrum of Lactaldehyde and an Astronomical Search in Sgr B2(N), Orion-KL, and NGC 6334I. <i>Astrophysical Journal</i> , 2019 , 883, 18	4.7	5
309	A Comprehensive Spectral Rotational Analysis of the Interstellar Methyl Isocyanate CH ₃ NCO. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 245, 31	8	4
308	Single photon ionization of methyl isocyanide and the subsequent unimolecular decomposition of its cation: experiment and theory. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 26017-26026	3.6	2
307	Alkylation of uracil and thymine in the gas phase through interaction with alkylmercury compounds. <i>International Journal of Mass Spectrometry</i> , 2019 , 436, 153-165	1.9	3
306	Isoselenocyanates versus Isothiocyanates and Isocyanates. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 2894-2905	2.8	6
305	Internal Rotation of OH Group in 4-Hydroxy-2-butyne nitrile Studied by Millimeter-Wave Spectroscopy. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 3163-3169	2.8	12
304	Laboratory spectroscopy of methoxymethanol in the millimeter-wave range. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 5509-5516	3.6	18
303	Stability of CHNCO in astronomical ices under energetic processing. A laboratory study. <i>Astrophysical Journal</i> , 2018 , 861,	4.7	8
302	Reduction of C[double bond, length as m-dash]O functional groups through H addition reactions: a comparative study between HCO + H, CHCHCHO + H and CHOCHO + H under interstellar conditions. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 19971-19978	3.6	9
301	Synthesis and Electronic Phosphorescence of Dicyanooctatetrayne (NCN) in Cryogenic Matrixes. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 5580-5588	2.8	2
300	Low Temperature Synthesis and Phosphorescence of Methylcyanotriacetylene. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 89-99	2.8	6
299	Submillimeter wave spectroscopy of ethyl isocyanide and its searches in Orion. <i>Astronomy and Astrophysics</i> , 2018 , 610, A44	5.1	6

298	Conformational preferences of Criegee intermediates: Isopropyl substituted carbonyl oxide. <i>Journal of Chemical Physics</i> , 2018 , 149, 084309	3.9	10
297	Glycinamide, a Glycine Precursor, Caught in the Gas Phase: A Laser-ablation Jet-cooled Rotational Study. <i>Astrophysical Journal</i> , 2018 , 861, 70	4.7	7
296	Probing the conformational behavior of the doubly substituted methyl-ethyl Criegee intermediate by FTMW spectroscopy. <i>Journal of Chemical Physics</i> , 2017 , 146, 174304	3.9	15
295	Luminescent probing of the simplest chiral amino acid-alanine in an enantiopure and racemic state. <i>Chirality</i> , 2017 , 29, 332-339	2.1	
294	Transfer of Asymmetry between Proteinogenic Amino Acids under Harsh Conditions. <i>Origins of Life and Evolution of Biospheres</i> , 2017 , 47, 371-379	1.5	
293	Submillimeter spectra of 2-hydroxyacetonitrile (glycolonitrile; HOCH ₂ CN) and its searches in GBT PRIMOS observations of Sgr B2(N). <i>Astronomy and Astrophysics</i> , 2017 , 601, A50	5.1	18
292	Cryogenic Photochemical Synthesis and Electronic Spectroscopy of Cyanotetracetylene. <i>Journal of Physical Chemistry A</i> , 2017 , 121, 7374-7384	2.8	10
291	Reduction of unsaturated compounds under interstellar conditions: chemoselective reduction of C-C and C=C bonds over C=O functional group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 468, 4592-4600	4.3	13
290	One-step synthesis of conjugated enynenitriles from bromocyanoacetylene. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 6050-6056	3.9	3
289	Laboratory study of methyl isocyanate ices under astrophysical conditions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 470, 4222-4230	4.3	7
288	ALMA Detection of Interstellar Methoxymethanol (CH ₃ OCH ₂ OH). <i>Astrophysical Journal Letters</i> , 2017 , 851, L46	7.9	51
287	MILLIMETER WAVE SPECTRUM AND ASTRONOMICAL SEARCH FOR VINYL FORMATE. <i>Astrophysical Journal</i> , 2016 , 832, 42	4.7	3
286	Metallic cyanoacetylides of copper, silver and gold: generation and structural characterization. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 28538-28547	3.6	3
285	Low-Temperature Reactivity of C _{2n+1} N ⁽⁻⁾ Anions with Polar Molecules. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2957-61	6.4	8
284	An experimental study of the reactivity of C ₂ N ⁻ and C ₃ N ⁻ anions with cyanoacetylene (HC ₃ N). <i>Icarus</i> , 2016 , 268, 242-252	3.8	11
283	Microwave and Quantum Chemical Study of Intramolecular Hydrogen Bonding in 2-Propynylhydrazine (HC≡CCH ₂ NHNH ₂). <i>Journal of Physical Chemistry A</i> , 2016 , 120, 4071-8	2.8	
282	Rotational Spectrum, Conformational Composition, Intramolecular Hydrogen Bonding, and Quantum Chemical Calculations of Mercaptoacetonitrile (HSCH ₂ C≡N), a Compound of Potential Astrochemical Interest. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 1992-2001	2.8	6
281	Elusive anion growth in Titan's atmosphere: Low temperature kinetics of the C ₃ N ⁻ +HC ₃ N reaction. <i>Icarus</i> , 2016 , 271, 194-201	3.8	10

280	Microwave and Quantum Chemical Study of Intramolecular Hydrogen Bonding in 2-Propenylhydrazine (H ₂ C=CHCH ₂ NHNH ₂). <i>Journal of Physical Chemistry A</i> , 2016 , 120, 407-16	2.8	1
279	Relative stability and proton transfer reactions of unsaturated isocyanides and cyanides. <i>Journal of Physical Organic Chemistry</i> , 2016 , 29, 452-459	2.1	4
278	Gas-Phase Infrared Spectroscopy of Substituted Cyanobutadiynes: Roles of the Bromine Atom and Methyl Group as Substituents. <i>ChemPhysChem</i> , 2016 , 17, 1018-24	3.2	8
277	Fourier-transform microwave spectroscopy of a halogen substituted Criegee intermediate ClCHO. <i>Journal of Chemical Physics</i> , 2016 , 145, 184304	3.9	23
276	Conformational analysis of ethyl-substituted Criegee intermediate by FTMW spectroscopy. <i>Journal of Chemical Physics</i> , 2016 , 145, 224314	3.9	14
275	Synthesis, Chemistry, and Photochemistry of Methylcyanobutadiyne in the Context of Space Science. <i>Journal of Organic Chemistry</i> , 2016 , 81, 3560-7	4.2	9
274	Is the Reaction of C ₃ N(-) with C ₂ H ₂ a Possible Process for Chain Elongation in Titan's Ionosphere?. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 5337-47	2.8	5
273	Excited electronic structure of methylcyanoacetylene probed by VUV Fourier-transform absorption spectroscopy. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016 , 182, 286-295	2.1	3
272	Microwave and quantum-chemical study of conformational properties and intramolecular hydrogen bonding of 2-hydroxy-3-butyne nitrile (HC≡CCH(OH)C≡N). <i>Journal of Physical Chemistry A</i> , 2015 , 119, 634-40	2.8	3
271	Formation of fulvene in the reaction of C ₂ H with 1,3-butadiene. <i>International Journal of Mass Spectrometry</i> , 2015 , 378, 232-245	1.9	14
270	Photoionization spectroscopy of CH ₃ C ₃ N in the vacuum-ultraviolet range. <i>Journal of Molecular Spectroscopy</i> , 2015 , 315, 206-216	1.3	6
269	VUV photoionization and dissociative photoionization spectroscopy of the interstellar molecule aminoacetonitrile: Theory and experiment. <i>Journal of Molecular Spectroscopy</i> , 2015 , 315, 196-205	1.3	6
268	Ring planarity problem of 2-oxazoline revisited using microwave spectroscopy and quantum chemical calculations. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 4875-84	2.8	1
267	Attrition-induced spontaneous chiral amplification of the β polymorphic modification of glycine. <i>CrystEngComm</i> , 2015 , 17, 1513-1517	3.3	14
266	Vibronic structure of the 2 Π ground electronic state of dicyanoacetylene cation revisited by PFI-ZEKE photoelectron spectroscopy and ab initio calculations. <i>Molecular Physics</i> , 2015 , 113, 3946-3954 ¹⁻⁷	1.7	5
265	Structure, spectroscopy, and thermal decomposition of 5-chloro-1,2,3,4-thiaziazole: a He I photoelectron, infrared, and quantum chemical study. <i>Structural Chemistry</i> , 2015 , 26, 1603-1610	1.8	2
264	Microwave and Quantum Chemical Study of the Hydrazino Group as Proton Donor in Intramolecular Hydrogen Bonding of (2-Fluoroethyl)hydrazine (FCH ₂ CH ₂ NHNH ₂). <i>Journal of Physical Chemistry A</i> , 2015 , 119, 9252-61	2.8	4
263	Gas phase dicyanoacetylene (C ₄ N ₂) on Titan: New experimental and theoretical spectroscopy results applied to Cassini CIRS data. <i>Icarus</i> , 2015 , 248, 340-346	3.8	30

262	Acidity enhancement of unsaturated bases of group 15 by association with borane and beryllium dihydride. Unexpected boron and beryllium Brønsted acids. <i>Dalton Transactions</i> , 2015 , 44, 1193-202	4.3	15
261	The Electronic Structure of Some Cyanohydrins-A Spectroscopically Under-Investigated Family of Compounds. <i>ChemPhysChem</i> , 2015 , 16, 3660-71	3.2	3
260	Straightforward synthesis of 5-bromopenta-2,4-diyne nitrile and its reactivity towards terminal alkynes: a direct access to diene and benzofulvene scaffolds. <i>Chemistry - A European Journal</i> , 2015 , 21, 6042-7	4.8	19
259	Millimeter and submillimeter wave spectra of mono- ¹³ C-acetaldehydes. <i>Astronomy and Astrophysics</i> , 2015 , 579, A46	5.1	12
258	High temperature sublimation of amino acids: a realistic prebiotic process leading to large enantiomeric excess. <i>Chemical Communications</i> , 2015 , 51, 7054-7	5.8	14
257	Conformational properties of cis- and trans-N-Cyclopropylformamide studied by microwave spectroscopy and quantum chemical calculations. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 3375-83	2.8	3
256	New reactivity of 6,6-bis-donor-substituted pentafulvenes: one-step synthesis of highly substituted [3]cumulene and dihydropentalene. <i>Tetrahedron</i> , 2015 , 71, 4393-4399	2.4	12
255	Gas-phase infrared spectra of three compounds of astrochemical interest: vinyl, allenyl, and propargyl isocyanides. <i>ChemPhysChem</i> , 2015 , 16, 848-54	3.2	7
254	Proton transfer reactions of hydrazine-boranes. <i>Journal of Physical Organic Chemistry</i> , 2015 , 28, 244-249	2.1	9
253	High-resolution millimeter wave spectroscopy and ab initio calculations of aminomalononitrile. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 1048-54	2.8	5
252	Synthesis, microwave spectrum, quantum chemical calculations, and conformational composition of the novel compound cyclopropylethynylphosphine (C ₃ H ₃ CH ₂ P). <i>Journal of Physical Chemistry A</i> , 2014 , 118, 9994-10001	2.8	1
251	Microwave spectrum and conformational composition of (azidomethyl)cyclopropane (C ₃ H ₅ CH ₂ N ₃). <i>Journal of Physical Chemistry A</i> , 2014 , 118, 6971-8	2.8	
250	Microwave spectrum, conformational composition, and dipole moment of (fluoromethyl)cyclopropane (C ₃ H ₄ HF). <i>Journal of Physical Chemistry A</i> , 2014 , 118, 2344-52	2.8	3
249	Microwave spectrum and intramolecular hydrogen bonding of 2-isocyanoethanol (HOCH ₂ CH ₂ N=C). <i>Journal of Physical Chemistry A</i> , 2014 , 118, 3120-7	2.8	4
248	Microwave spectrum and conformational properties of 4-isocyano-1-butene (H ₂ C=CHCH ₂ CH ₂ N=C). <i>Journal of Physical Chemistry A</i> , 2014 , 118, 1413-9	2.8	17
247	High-yield formation of substituted tetracyanobutadienes from reaction of ynamides with tetracyanoethylene. <i>Chemistry - A European Journal</i> , 2014 , 20, 9553-7	4.8	37
246	Synthesis, microwave spectrum, quantum chemical calculations, and conformational composition of a novel primary phosphine, cyclopropylethynylphosphine, (C ₃ H ₅ C≡CPH ₂). <i>Journal of Physical Chemistry A</i> , 2014 , 118, 9419-28	2.8	1
245	THz spectroscopy and first ISM detection of excited torsional states of ¹³ C-methyl formate. <i>Astronomy and Astrophysics</i> , 2014 , 568, A58	5.1	17

244	Generation and structural characterization of aluminum cyanoacetylide. <i>Journal of Chemical Physics</i> , 2014 , 141, 104305	3.9	10
243	Functionalised 1-Alkynylarsines: Synthesis, Characterisation, and Attempts of Rearrangement into Functionalised Arsaalkynes. <i>Australian Journal of Chemistry</i> , 2014 , 67, 1357	1.2	1
242	Synthesis and spectroscopy of cyanotriacetylene (HC7N) in solid argon. <i>Journal of Chemical Physics</i> , 2014 , 140, 044329	3.9	13
241	VUV photoionization and dissociative photoionization of the prebiotic molecule acetyl cyanide: theory and experiment. <i>Journal of Chemical Physics</i> , 2014 , 141, 134311	3.9	6
240	On the structures, lifetimes, and infrared spectra of alkylmercury hydrides. <i>ChemPhysChem</i> , 2014 , 15, 530-41	3.2	3
239	Low temperature reaction kinetics of CN^- -HC3N and implications for the growth of anions in Titan's atmosphere. <i>Icarus</i> , 2014 , 227, 123-131	3.8	26
238	Rotational spectrum of 4-methylcyanoallene ($\text{CH}_3\text{CH}=\text{C}=\text{CH}-\text{CN}$), a chiral molecule of potential astrochemical interest. <i>Astronomy and Astrophysics</i> , 2014 , 564, A82	5.1	2
237	Microwave spectrum and conformational properties of 4-isocyano-1-butyne ($\text{HC}\equiv\text{CCH}_2\text{CH}_2\text{N}\equiv\text{C}$). <i>Journal of Physical Chemistry A</i> , 2013 , 117, 10304-10	2.8	4
236	Partial sublimation of enantioenriched amino acids at low temperature. Is it coming from the formation of a euatmotic composition of the gaseous phase?. <i>Journal of Organic Chemistry</i> , 2013 , 78, 10530-3	4.2	18
235	Accurate semiexperimental structure of 1,3,4-oxadiazole by the mixed estimation method. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 2278-84	2.8	12
234	Gas phase acidities of N-substituted amine-boranes. <i>Journal of Molecular Modeling</i> , 2013 , 19, 5089-95	2	4
233	Mono-deuterated dimethyl ether: laboratory spectrum up to 1 THz. <i>Astronomy and Astrophysics</i> , 2013 , 552, A117	5.1	21
232	Synthesis, microwave spectrum, and conformational properties of 2-fluoroethyl azide ($\text{FCH}_2\text{CH}_2\text{N}_3$). <i>Journal of Physical Chemistry A</i> , 2013 , 117, 1935-40	2.8	2
231	Deracemization of amino acids by partial sublimation and via homochiral self-organization. <i>Origins of Life and Evolution of Biospheres</i> , 2013 , 43, 129-35	1.5	10
230	Microwave spectrum, conformational properties, and dipole moment of cyclopropylmethyl isocyanide ($\text{C}_3\text{H}_5\text{CH}_2\text{NC}$). <i>Journal of Physical Chemistry A</i> , 2013 , 117, 5073-81	2.8	6
229	Low temperature rate coefficients for the reaction $\text{CN} + \text{HC}_3\text{N}$. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 12155-64	2.8	17
228	Conformational preferences of $\text{RCH}_2\text{CH}_2\text{CN}$ ($\text{R} = \text{CH}_3, \text{F}, \text{Cl}$) cyanides and their corresponding isocyanides. <i>Structural Chemistry</i> , 2013 , 24, 1789-1798	1.8	3
227	Trimethylaluminum and borane complexes of primary amines. <i>Inorganic Chemistry</i> , 2013 , 52, 346-54	5.1	6

226	Ionization photophysics and spectroscopy of dicyanoacetylene. <i>Journal of Chemical Physics</i> , 2013 , 139, 184304	3.9	9
225	THE CM-, MM-, AND SUB-MM-WAVE SPECTRUM OF ALLYL ISOCYANIDE AND RADIOASTRONOMICAL OBSERVATIONS IN ORION KL AND THE SgrB2 LINE SURVEYS. <i>Astrophysical Journal</i> , 2013 , 777, 120	4.7	13
224	THE FIRST ASTROPHYSICAL DETECTION, TERAHERTZ SPECTRUM, AND DATABASE FOR THE MONODEUTERATED SPECIES OF METHYL FORMATE HCOOCH ₂ D. <i>Astrophysical Journal</i> , 2013 , 779, 119	4.7	23
223	Rotational spectrum of ethyl cyanoacetylene (C ₂ H ₅ C≡C≡N), a compound of potential astrochemical interest. <i>Astronomy and Astrophysics</i> , 2013 , 558, A6	5.1	5
222	Millimeter- and submillimeter-wave spectrum of methyleneaminoacetonitrile. <i>Astronomy and Astrophysics</i> , 2013 , 559, A44	5.1	4
221	The extended spectroscopic database for deuterated species of formamide up to 1 THz. <i>Astronomy and Astrophysics</i> , 2013 , 549, A128	5.1	7
220	Methylcyanobutadiyne: synthesis, X-ray structure and photochemistry; towards an explanation of its formation in the interstellar medium. <i>Chemistry - A European Journal</i> , 2013 , 19, 17683-6	4.8	11
219	Infrared spectra of cyanoacetaldehyde (NCCH ₂ CHO): a potential prebiotic compound of astrochemical interest. <i>ChemPhysChem</i> , 2013 , 14, 2764-71	3.2	6
218	New generation mirror systems for the ESRF upgrade beamlines. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 052015	0.3	3
217	Extension of the millimeter- and submillimeter-wave spectral databases of deuterated methyl cyanides (CH ₂ DCN and CHD ₂ CN). <i>Astronomy and Astrophysics</i> , 2013 , 553, A84	5.1	14
216	Hydroxyacetonitrile (HOCH ₂ CN) as a precursor for formylcyanide (CHOCN), ketenimine (CH ₂ CNH), and cyanogen (NCCN) in astrophysical conditions. <i>Astronomy and Astrophysics</i> , 2013 , 549, A93	5.1	11
215	Frequency and intensity analyses of the far infrared B band system of cyanogen (C ₂ N ₂) and applications to Titan. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012 , 113, 1195-1219	2.1	6
214	Are unsaturated isocyanides so different from the corresponding nitriles?. <i>ChemPhysChem</i> , 2012 , 13, 226-36	3.2	22
213	Synthesis and microwave spectrum of vinyl isoselenocyanate (H ₂ C=CHNCSe), a compound with a quasilinear CNCSe chain. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 4074-81	2.8	4
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