

Carmen Barrientos

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Hydroaluminum Isocyanide Isomers: Prediction of Spectroscopic Properties. <i>Astrophysical Journal</i> , 2022, 928, 69.	1.6	4
2	Computational study on the affinity of potential drugs to SARS-CoV-2 main protease. <i>Journal of Physics Condensed Matter</i> , 2022, 34, 294005.	0.7	2
3	Amino acetaldehyde conformers: structure and spectroscopic properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1827-1833.	1.6	2
4	Structure and Spectroscopic Properties of Hydrocalcium Isocyanide Isomers: Plausible Astronomical Ca-bearing Molecules. <i>Astrophysical Journal</i> , 2020, 899, 135.	1.6	4
5	Alkaline and alkaline-earth cyanoacetylides: A combined theoretical and rotational spectroscopic investigation. <i>Journal of Chemical Physics</i> , 2019, 151, 054312.	1.2	6
6	Formation of Protonated Glycine Isomers in the Interstellar Medium. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1170-1181.	1.2	7
7	Spectroscopic Parameters of HTiCN/HTiNC: New Titanium Compounds of Astrochemical Interest. <i>Astrophysical Journal</i> , 2019, 871, 180.	1.6	4
8	Structural Trends in Monoboronyl Compounds: Analysis of the Interaction of Second-Row Elements with BO. <i>Journal of Physical Chemistry A</i> , 2018, 122, 398-409.	1.1	3
9	Structure and spectroscopic properties of imine acetaldehyde: a possible interstellar molecule. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 3042-3048.	1.6	5
10	Complex Organic Molecules Formation in Space Through Gas Phase Reactions: A Theoretical Approach. <i>Astrophysical Journal</i> , 2017, 836, 240.	1.6	7
11	Metallic monoboronyl compounds: Prediction of their structure and comparison with the cyanide analogues. <i>Journal of Computational Chemistry</i> , 2017, 38, 807-815.	1.5	3
12	Structure and Spectroscopic Properties of [Mg,C,N,O] Isomers: Plausible Astronomical Molecules. <i>ACS Earth and Space Chemistry</i> , 2017, 1, 158-167.	1.2	15
13	Prebiotic molecules formation through the gas-phase reaction between HNO and CH ₂ CHOH ₂ ⁺ . <i>Astronomy and Astrophysics</i> , 2017, 603, A139.	2.1	8
14	Molecular Structure and Bonding in Plutonium Carbides: A Theoretical Study of PuC ₃ . <i>Journal of Physical Chemistry A</i> , 2016, 120, 2232-2239.	1.1	9
15	PREDICTION OF THE SPECTROSCOPIC PARAMETERS OF NEW IRON COMPOUNDS: HYDRIDE OF IRON CYANIDE/ISOCYANIDE, HFeCN/HFeNC. <i>Astrophysical Journal</i> , 2016, 828, 45.	1.6	9
16	Metallic cyanoacetylides of copper, silver and gold: generation and structural characterization. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28538-28547.	1.3	3
17	Is the reaction between formic acid and protonated aminomethanol a possible source of glycine precursors in the interstellar medium?. <i>Astronomy and Astrophysics</i> , 2015, 579, A125.	2.1	15
18	Structure and spectroscopic properties of neutral and cationic tetratomic [C,H,N,Zn] isomers: A theoretical study. <i>Journal of Chemical Physics</i> , 2015, 142, 184301.	1.2	8

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19	SOME INSIGHTS INTO FORMAMIDE FORMATION THROUGH GAS-PHASE REACTIONS IN THE INTERSTELLAR MEDIUM. <i>Astrophysical Journal</i> , 2014, 780, 181.	1.6	29
20	Generation and structural characterization of aluminum cyanoacetylide. <i>Journal of Chemical Physics</i> , 2014, 141, 104305.	1.2	13
21	COMPUTATIONAL PREDICTION OF THE SPECTROSCOPIC PARAMETERS OF METHANEDIOL, AN ELUSIVE MOLECULE FOR INTERSTELLAR DETECTION. <i>Astrophysical Journal</i> , 2014, 784, 132.	1.6	16
22	PEPTIDE BOND FORMATION THROUGH GAS-PHASE REACTIONS IN THE INTERSTELLAR MEDIUM: FORMAMIDE AND ACETAMIDE AS PROTOTYPES. <i>Astrophysical Journal</i> , 2014, 793, 32.	1.6	37
23	Halogen-abstraction reactions from chloromethane and bromomethane molecules by alkaline-earth monocations. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 16121-16136.	1.3	2
24	Computational study of peptide bond formation in the gas phase through ion-molecule reactions. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13005.	1.3	14
25	Reactivity of First-Row Transition Metal Monocations (Sc ⁺ , Ti ⁺ ,) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 467 Td (</i> Chemistry A, 2013, 117, 2932-2943.	1.1	8
26	Kinetics Studies of the Reactions of Main Fourth-Period Monocations (Ga ⁺ ,) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 467 Td (</i> Chemistry A, 2013, 117, 7742-7753.	1.1	2
27	Small carbides of third-row main group elements: structure and bonding in C ₃ X compounds (X =) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 1.3</i>	1.3	4
28	GAS-PHASE SYNTHESIS OF PRECURSORS OF INTERSTELLAR GLYCINE: A COMPUTATIONAL STUDY OF THE REACTIONS OF ACETIC ACID WITH HYDROXYLAMINE AND ITS IONIZED AND PROTONATED DERIVATIVES. <i>Astrophysical Journal</i> , 2012, 748, 99.	1.6	37
29	Theoretical study of the C-F bond activation in methyl fluoride by alkaline-earth metal monocations. <i>Theoretical Chemistry Accounts</i> , 2011, 128, 609-618.	0.5	6
30	Structure and stability of neutral cyanide complexes of copper and zinc. <i>Chemical Physics Letters</i> , 2011, 504, 125-129.	1.2	8
31	The reaction between NH ₃ ⁺ and CH ₃ COOH: a possible process for the formation of glycine precursors in the interstellar medium. <i>Astronomy and Astrophysics</i> , 2010, 516, A79.	2.1	26
32	Could the reactions of formic acid with CH ₃ NH ₂ ⁺ /CH ₃ NH ₃ ⁺ produce protonated glycine?. <i>International Journal of Mass Spectrometry</i> , 2010, 295, 21-25.	0.7	6
33	A computational study of arsenic dicarbide (C ₂ As). <i>Chemical Physics Letters</i> , 2010, 485, 286-289.	1.2	8
34	Neutral cyanide complexes of iron: Structure and stability. <i>Chemical Physics Letters</i> , 2010, 500, 9-13.	1.2	7
35	Structure and bonding in third-row main group dicarbides C ₂ X (X=K-Br). <i>Journal of Chemical Physics</i> , 2010, 133, 124306.	1.2	20
36	Cyanide complexes of Ti(IV): A computational study. <i>Journal of Chemical Physics</i> , 2009, 131, 094507.	1.2	4

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37	Small iron doped carbon clusters: A comparison with early and late first-row transition metal doped clusters. <i>Journal of Chemical Physics</i> , 2009, 130, 134304.	1.2	15
38	Charged FeC _n clusters: A comparison with (TM=Sc, Ti, V, Co and Zn, n=1-8) systems. <i>Chemical Physics</i> , 2009, 364, 1-13.	0.9	15
39	Stability of protonated and ionized hydroxylamine in the interstellar medium. <i>Chemical Physics Letters</i> , 2009, 476, 174-177.	1.2	12
40	Polyisocyanides of Titanium. <i>Journal of Physical Chemistry A</i> , 2009, 113, 1574-1577.	1.1	5
41	Gas-phase reaction between calcium monocation and fluoromethane: Analysis of the potential energy hypersurface and kinetics calculations. <i>Journal of Chemical Physics</i> , 2009, 131, 144309.	1.2	8
42	A density functional study of CoC _n (n = 1-8) clusters: Structures and stabilities. <i>International Journal of Quantum Chemistry</i> , 2008, 108, 1684-1695.	1.0	15
43	Structures and stabilities of charged cobalt-doped carbon clusters. <i>International Journal of Mass Spectrometry</i> , 2008, 272, 187-198.	0.7	14
44	Structural and electronic properties of ZnC _n ^{+/n} clusters. <i>International Journal of Mass Spectrometry</i> , 2008, 273, 87-94.	0.7	16
45	Gas-Phase Reaction of NH ₂ ⁺ with Acetic Acid: Implications in Astrochemistry. <i>Journal of Chemical Theory and Computation</i> , 2008, 4, 2085-2093.	2.3	9
46	Cyanides and Isocyanides of First-Row Transition Metals: Molecular Structure, Bonding, and Isomerization Barriers. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6334-6344.	1.1	50
47	Structure and Stability of Small ZnC _n Clusters. <i>Journal of Chemical Theory and Computation</i> , 2007, 3, 657-664.	2.3	27
48	Structure and Bonding in First-Row Transition Metal Dicarbide Cations MC ₂ ⁺ . <i>Journal of Physical Chemistry A</i> , 2007, 111, 6345-6353.	1.1	25
49	A theoretical study of the [FeCN] ⁺ system: Cyanide-isocyanide competition and isomerization barrier. <i>Chemical Physics Letters</i> , 2007, 445, 22-27.	1.2	4
50	Structures and stabilities of non-linear VC _n ^{+/n} (n=1-8) clusters. <i>International Journal of Mass Spectrometry</i> , 2007, 263, 101-112.	0.7	19
51	Charged titanium-doped carbon clusters: Structures and energetics. <i>International Journal of Mass Spectrometry</i> , 2007, 266, 50-61.	0.7	25
52	On the application of the counterpoise correction for the basis set superposition error in geometry optimization calculations of molecular systems: some inconsistent results. <i>Theoretical Chemistry Accounts</i> , 2007, 118, 733-738.	0.5	13
53	Small Carbon Clusters Doped with Vanadium Metal: A Density Functional Study of VC _n (n= 1-8). <i>Journal of Chemical Theory and Computation</i> , 2006, 2, 885-893.	2.3	33
54	Small ScC _n Cyclic Clusters: A Density Functional Study of Their Structure and Stability. <i>Journal of Physical Chemistry A</i> , 2006, 110, 4057-4064.	1.1	32

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55	Reaction of N(2D) atoms with bromomethyl radicals: A theoretical study. <i>Chemical Physics</i> , 2006, 328, 45-52.	0.9	14
56	Structure of small TiC _n clusters: A theoretical study. <i>Chemical Physics</i> , 2006, 330, 431-440.	0.9	33
57	Structure of binary titanium-carbon ions: A theoretical study of TiC_n^+ . <i>Chemical Physics</i> , 2006, 330, 441-450.	1.2	4
58	A computational study on the reaction of N(2D) atoms with CH ₂ Cl radicals. <i>Chemical Physics Letters</i> , 2006, 422, 276-281.	1.2	2
59	Ionization potential and electron affinity of VC _n (n=1-8) open-chain clusters: A theoretical study. <i>Computational and Theoretical Chemistry</i> , 2006, 769, 225-236.	1.5	18
60	On the reaction of ground-state nitrogen atoms with bromomethyl radicals: A computational study. <i>International Journal of Mass Spectrometry</i> , 2006, 249-250, 451-461.	0.7	3
61	Structure and Bonding in First-Row Transition-Metal Dicarbides: Are They Related to the Stability of Met-cars?. <i>Chemistry - A European Journal</i> , 2006, 12, 6963-6975.	1.7	44
62	On the Competition Between Linear and Cyclic Isomers in Second-Row Dicarbides. <i>ChemInform</i> , 2005, 36, no.	0.1	0
63	Computational study of the reaction of N(D ₂) atoms with CH ₂ F radicals: An example of a barrier-free reaction involving very high internal energies. <i>Journal of Chemical Physics</i> , 2005, 123, 114312.	1.2	29
64	A Computational Study of the Reaction of Ground-State Nitrogen Atoms with Chloromethyl Radicals. <i>Journal of Physical Chemistry A</i> , 2005, 109, 6540-6548.	1.1	4
65	Small Carbon Clusters Doped with Early Transition Metals: A Theoretical Study of ScC _n , ScC _n ⁺ , and ScC _n ⁻ (n= 1-8) Open-Chain Clusters. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8594-8603.	1.1	35
66	Theoretical study of the structures and stabilities of AlC _n , AlC _n ⁺ , and AlC _n ⁻ (n = 1-7) monocyclic clusters. <i>International Journal of Quantum Chemistry</i> , 2004, 96, 615-626.	1.0	21
67	Theoretical study of possible ion-molecule reactions leading to precursors of glycine in the interstellar medium. <i>International Journal of Quantum Chemistry</i> , 2004, 98, 355-360.	1.0	34
68	Structures and stabilities of CaC ₃ ⁺ and CaC ₃ H ⁺ isomers. <i>Computational and Theoretical Chemistry</i> , 2004, 709, 143-155.	1.5	0
69	On the Competition between Linear and Cyclic Isomers in Second-Row Dicarbides. <i>Journal of the American Chemical Society</i> , 2004, 126, 14611-14619.	6.6	42
70	Structure and Stability of Small NaC _n , NaC _n ⁺ , and NaC _n ⁻ Clusters: A Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2004, 108, 212-224.	1.1	27
71	Theoretical Study of the Structures and Stabilities of Small CaC _n , CaC _n ⁺ , and CaC _n ⁻ (n= 1-8) Cyclic Clusters. <i>Journal of Physical Chemistry A</i> , 2004, 108, 11132-11140.	1.1	16
72	Structure and Properties of the Open-Chain Calcium-Doped Carbon Clusters CaC _n , CaC _n ⁺ , and CaC _n ⁻ (n = 1-8). <i>Journal of Physical Chemistry A</i> , 2004, 108, 6421-6429.	1.1	25

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73	Structure and stability of binary calcium-carbon compounds: a comparative ab initio and DFT study of CaC ₂ . Chemical Physics Letters, 2003, 382, 150-159.	1.2	13
74	Computational study on the kinetics of the reaction of N(4S) with CH ₂ F. Chemical Physics Letters, 2003, 374, 594-600.	1.2	30
75	Ionization and protonation of NaC ₃ : a theoretical study. Computational and Theoretical Chemistry, 2003, 630, 59-73.	1.5	1
76	Structure and stability of BC ₂ P isomers: a theoretical study. Computational and Theoretical Chemistry, 2003, 633, 57-65.	1.5	1
77	Theoretical Study of MgC _n , MgC _n ⁺ , MgC _n ⁻ (n = 1-7) Open-Chain Clusters. Journal of Physical Chemistry A, 2003, 107, 4676-4682.	1.1	35
78	Theoretical Study of Small MgC _n , MgC _n ⁺ , and MgC _n ⁻ Cyclic Clusters. Journal of Physical Chemistry A, 2003, 107, 6317-6325.	1.1	34
79	Theoretical Study of AlC _n , AlC _n ⁺ , and AlC _n ⁻ (n = 1-7) Clusters. Journal of Physical Chemistry A, 2002, 106, 4217-4225.	1.1	52
80	Ionization and protonation of MgC ₃ : A theoretical study. International Journal of Quantum Chemistry, 2002, 86, 114-121.	1.0	4
81	Structures and stabilities of CaC ₃ isomers. Chemical Physics Letters, 2002, 355, 509-516.	1.2	9
82	The Reaction of N(4S) with CH ₂ F: A Comparative ab Initio and DFT Study. Journal of Physical Chemistry A, 2001, 105, 9917-9925.	1.1	11
83	Structure and Stability of AlC ₂ N Isomers: A Comparative ab Initio and DFT Study. Journal of Physical Chemistry A, 2001, 105, 6724-6728.	1.1	18
84	Theoretical study of C _n Cl, C _n Cl ⁺ , C _n Cl ⁻ (n=1-7) clusters. International Journal of Quantum Chemistry, 2001, 84, 127-135.	1.0	46
85	Theoretical study of AlC ₃ ⁺ . International Journal of Quantum Chemistry, 2001, 84, 660-669.	1.0	7
86	Structures and stabilities of MgC ₃ isomers: a theoretical study. Chemical Physics Letters, 2001, 335, 64-70.	1.2	20
87	Theoretical study of the structures and stabilities of NaC ₃ isomers. Chemical Physics Letters, 2001, 343, 563-570.	1.2	17
88	Theoretical study of AlC ₃ : linear or cyclic ground state?. Chemical Physics Letters, 2000, 320, 481-486.	1.2	26
89	Theoretical study of the reaction of CN with C ₂ H ₂ ⁺ . Theoretical Chemistry Accounts, 2000, 104, 199-202.	0.5	5
90	Reaction of C ₃ H ₂ ⁺ with Atomic Nitrogen: A Theoretical Study. Journal of Physical Chemistry A, 2000, 104, 11541-11548.	1.1	18

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91	Theoretical Study of the Reaction of Cl ⁺ with C ₃ H ₂ . Journal of Physical Chemistry A, 2000, 104, 9733-9739.	1.1	5
92	Theoretical study of the reaction of S ⁺ with acetylene. Chemical Physics Letters, 1999, 306, 168-178.	1.2	6
93	Theoretical study of the C ₃ Cl radical and its cation. Chemical Physics Letters, 1999, 315, 224-232.	1.2	18
94	Theoretical Study of the Reaction of Si ⁺ with C ₃ H ₂ . Journal of Physical Chemistry A, 1999, 103, 3310-3320.	1.1	10
95	Theoretical Study of the Reaction of S ⁺ with C ₃ H ₂ . Journal of Physical Chemistry A, 1999, 103, 9125-9131.	1.1	8
96	Theoretical study of possible interstellar processes for the production of C ₂ Cl precursors. Computational and Theoretical Chemistry, 1998, 432, 75-88.	1.5	17
97	Reaction of carbon atoms with H ₂ Cl ⁺ : an ab initio study of a possible interstellar process. Computational and Theoretical Chemistry, 1996, 363, 319-331.	1.5	13
98	Theoretical Studies of Simple Organoboron Compounds: Structures and Stabilities of BC ₂ H ₄ Isomers. Applied Organometallic Chemistry, 1996, 10, 283-295.	1.7	5
99	Theoretical Study of the C ₃ P Radical and Its Cation. The Journal of Physical Chemistry, 1996, 100, 585-593.	2.9	34
100	Theoretical Studies of Possible Processes for the Interstellar Production of Phosphorus Compounds: The Reaction of P ⁺ with C ₃ H ₂ . The Journal of Physical Chemistry, 1996, 100, 14643-14650.	2.9	10
101	Theoretical Studies of Possible Processes for the Interstellar Production of Phosphorus Compounds. The Reaction of P ⁺ with Acetylene. The Journal of Physical Chemistry, 1995, 99, 6432-6440.	2.9	13
102	Reactions of methylium ion with second-row atoms: an ab initio study. The Journal of Physical Chemistry, 1994, 98, 1090-1099.	2.9	9
103	Ab Initio Characterization of Gaseous (CO ₂ P) ⁺ Species. The Journal of Physical Chemistry, 1994, 98, 2294-2297.	2.9	2
104	Theoretical Study of the Structures and Stabilities of (SiC ₂ H ₂) ⁺ Species. The Reaction of Si ⁺ with Acetylene. The Journal of Physical Chemistry, 1994, 98, 3978-3984.	2.9	12
105	Theoretical Study of the C ₂ P Radical and (C ₂ P) ⁺ Species. The Journal of Physical Chemistry, 1994, 98, 3985-3988.	2.9	40
106	Relativistic quantum defect calculations on the copper isoelectronic sequence. International Journal of Quantum Chemistry, 1994, 50, 411-428.	1.0	8
107	Topological Analysis of the Charge Density for Phosphorus Ion Molecule Complexes Bound to Water and Ammonia Molecules. The Journal of Physical Chemistry, 1994, 98, 3148-3153.	2.9	2
108	Ab-initio study of phosphorus ion complexes of ammonia and water. The Journal of Physical Chemistry, 1993, 97, 9337-9340.	2.9	5

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109	Theoretical study of a basic process in interstellar chlorine chemistry: reaction of carbon(1+) with hydrogen chloride. The Journal of Physical Chemistry, 1993, 97, 173-176.	2.9	12
110	Theoretical study of possible processes for the interstellar production of phosphorus compounds. Reaction of phosphorus(1+) with hydrogen sulfide. The Journal of Physical Chemistry, 1993, 97, 1521-1525.	2.9	15
111	Ab initio characterization of gaseous phosphorus oxide (P ₂ O ₂). The Journal of Physical Chemistry, 1993, 97, 4078-4079.	2.9	11
112	Ab initio characterization of novel gaseous phosphorus oxide ((PO) ₂ ⁺) species. The Journal of Physical Chemistry, 1993, 97, 5860-5863.	2.9	4
113	A theoretical study of the structures and stabilities of SC ₂ H ₂ ⁺ species: the reaction of sulfur(1+) with acetylene. The Journal of Physical Chemistry, 1992, 96, 5808-5814.	2.9	9
114	Quantum-defect studies of systematic trends of $\tilde{\nu}$ -values. Transitions in subordinate spectral series. Journal of Quantitative Spectroscopy and Radiative Transfer, 1992, 48, 287-293.	1.1	6
115	Quantum-defect studies of transitions in the diffuse spectral series of the potassium isoelectronic sequence. Journal of Quantitative Spectroscopy and Radiative Transfer, 1992, 47, 411-419.	1.1	15
116	Theoretical studies of possible processes for the interstellar production of phosphorus compounds: reaction of phosphorus(1+) with ammonia. The Journal of Physical Chemistry, 1991, 95, 170-175.	2.9	24
117	Theoretical studies of possible processes for the interstellar production of phosphorus compounds: reaction of phosphorus(1+) with water. The Journal of Physical Chemistry, 1991, 95, 5443-5445.	2.9	20
118	Theoretical studies of possible processes for interstellar production of phosphorus compounds: reaction of phosphorus(1+) with methane. The Journal of Physical Chemistry, 1991, 95, 6553-6557.	2.9	17
119	Theoretical studies of possible processes for the interstellar production of phosphorus compounds: reaction of phosphorus(1+) with hydrogen cyanide and protonation of cyanogen phosphide compounds. The Journal of Physical Chemistry, 1991, 95, 9864-9868.	2.9	21
120	Systematic trends along the potassium sequence: Study of $nS_{2l+1} \rightarrow (n-1)S_{2l} + \epsilon$ and $nP_{2l+1} \rightarrow (n-1)P_{2l} + \epsilon$ transitions. Canadian Journal of Physics, 1991, 69, 1273-1283.	0.4	13
121	An ab initio study of C ₂ S protonation. Chemical Physics Letters, 1991, 184, 168-174.	1.2	5
122	Comment on $\tilde{\nu}$ -Analytical wave functions for atomic quantum-defect theory $\tilde{\nu}^{\text{TM}}$. Physical Review A, 1991, 43, 4061-4062.	1.0	4
123	A theoretical study of the structures and stabilities of (H ₂ PO) ⁺ species and the proton affinities of HPO and POH. The Journal of Physical Chemistry, 1991, 95, 4318-4323.	2.9	18
124	Theoretical study of transitions involving three rydberg series in two-valence electron systems: MgI and its electronic sequence. International Journal of Quantum Chemistry, 1990, 37, 221-240.	1.0	14
125	Quantum-defect studies of systematic trends of $\tilde{\nu}$ -values. Physical Review A, 1990, 42, 432-439.	1.0	19
126	Theoretical studies of potential astrophysical molecules. The ClCC and SC ₂ H radicals. Chemical Physics Letters, 1989, 155, 550-556.	1.2	21

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127	A theoretical study of the C ₂ H, C ₂ F and C ₂ Cl radicals and their positive ions. Chemical Physics, 1989, 138, 291-301.	0.9	36
128	Core-polarization effects in subordinate series of the alkali atoms. Canadian Journal of Physics, 1989, 67, 996-1001.	0.4	15
129	A comparative theoretical study of the C ₂ N ⁺ and SiCN ⁺ ions and their formation processes. Chemical Physics Letters, 1988, 148, 79-85.	1.2	4
130	Oscillator strength distribution in the alkaline-earth elements. Canadian Journal of Physics, 1988, 66, 29-33.	0.4	18
131	Oscillator-strength distribution in the discrete and continuous spectra of the alkali elements. Canadian Journal of Physics, 1987, 65, 435-437.	0.4	21
132	Core-polarization effects in the alkali atoms: oscillator-strength calculations. Canadian Journal of Physics, 1986, 64, 867-871.	0.4	18
133	Quantum defect orbital calculations on the alkaline-earth elements: oscillator strengths and photoionization cross sections. Canadian Journal of Physics, 1985, 63, 1441-1445.	0.4	10