

Mauricio A Palafox

List of Publications by Year in descending order

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125
papers

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236833

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131
all docs

131
docs citations

131
times ranked

2275
citing authors

#	ARTICLE	IF	CITATIONS
1	How proton transfer affects the helical parameters in DNA:DNA microhelices. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 13759-13777.	2.0	2
2	Studies on the molecular structure of pterocaranol: A new biologically relevant nor-triterpenoid from <i>Peltophorum pterocarpum</i> (Fabaceae). <i>Journal of Molecular Structure</i> , 2022, 1254, 132390.	1.8	0
3	New magnetic-fluorescent bifunctional (Y _{0.9} Ln _{0.1} VO ₄ /Fe ₃ O ₄)@SiO ₂ and [(Y _{0.9} Ln _{0.1} VO ₄ @SiO ₂)/Fe ₃ O ₄ @SiO ₂] materials. <i>Ceramics International</i> , 2022, 48, 22006-22017.	2.3	4
4	Degradation of Human Serum Albumin by Infrared Free Electron Laser Enhanced by Inclusion of a Salen-Type Schiff Base Zn (II) Complex. <i>International Journal of Molecular Sciences</i> , 2020, 21, 874.	1.8	11
5	Developments in the Application of 1,2,3-Triazoles in Cancer Treatment. <i>Recent Patents on Anti-Cancer Drug Discovery</i> , 2020, 15, 92-112.	0.8	40
6	Structural transitions and bilayer formation of CTAB aggregates. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123730.	2.3	13
7	Investigation by DFT Methods of the Damage of Human Serum Albumin Including Amino Acid Derivative Schiff Base Zn(II) Complexes by IR-FEL Irradiation. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2846.	1.8	11
8	Effect of the sulfur atom on S2 and S4 positions of the uracil ring in different DNA:RNA hybrid microhelices with three nucleotide base pairs. <i>Biopolymers</i> , 2019, 110, e23247.	1.2	9
9	FT-IR spectra of the anti-HIV nucleoside analogue d4T (Stavudine). Solid state simulation by DFT methods and scaling by different procedures. <i>Journal of Molecular Structure</i> , 2018, 1157, 587-601.	1.8	5
10	Effect of the sulphur atom on geometry and spectra of the biomolecule 2-thiouracil and in the WC base pair 2-thiouridine-adenosine. Influence of water in the first hydration shell. <i>Journal of Biomolecular Structure and Dynamics</i> , 2018, 36, 1225-1254.	2.0	3
11	FT-IR and FT-Raman spectra of 5-chlorocytosine: Solid state simulation and tautomerism. Effect of the chlorine substitution in the Watson-Crick base pair 5-chlorodeoxycytidine-deoxyguanosine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 188, 418-435.	2.0	6
12	Femtosecond laser reshaping yields gold nanorods with ultranarrow surface plasmon resonances. <i>Science</i> , 2017, 358, 640-644.	6.0	233
13	Density Functional Computations on 6-Aminouracil: Effect of Amino Group in the 6th Position on the Watson-Crick Base Pair Uridine-Adenosine. <i>Australian Journal of Chemistry</i> , 2016, 69, 881.	0.5	2
14	Simulation of the solid state and the first and second hydration shell of the xanthine oxidase inhibitor allopurinol: Structures obtained using DFT and MP2 methods. <i>Journal of Molecular Structure</i> , 2016, 1111, 166-179.	1.8	2
15	6-Aminouracil: Geometries and spectra in the isolated state and in the solid state simulation. A comparison with 5-aminouracil. <i>Journal of Molecular Structure</i> , 2016, 1108, 482-495.	1.8	3
16	A DFT analysis of the molecular structure, vibrational spectra and other molecular properties of 5-nitouracil and comparison with uracil. <i>Journal of Molecular Structure</i> , 2016, 1106, 300-315.	1.8	9
17	Theoretical Interpretation of Polarized Light-Induced Supramolecular Orientation on the Basis of Normal Mode Analysis of Azobenzene as Hybrid Materials in PMMA with Chiral Schiff Base Ni(II), Cu(II), and Zn(II) Complexes. <i>Journal of Applied Solution Chemistry and Modeling</i> , 2016, 5, 30-47.	0.4	11
18	Conformational analysis of the anti-HIV Nivavir prodrug: comparisons with AZT and Thymidine, and establishment of structure-activity relationships/tendencies in other 6-derivatives. <i>Journal of Biomolecular Structure and Dynamics</i> , 2015, 33, 723-748.	2.0	31

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19	FT-IR and FT-Raman spectra, MEP and HOMO-LUMO of 2,5-dichlorobenzonitrile: DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 136, 464-472.	2.0	29
20	Research Strategies Developed for the Treatment of Alzheimer's Disease. Reversible and Pseudo-Irreversible Inhibitors of Acetylcholinesterase: Structure-Activity Relationships and Drug Design. , 2014, , 426-477.		4
21	Structure and conformational analysis of the anti-HIV reverse transcriptase inhibitor AZT using MP2 and DFT methods. Differences with the natural nucleoside thymidine. Simulation of the 1st phosphorylation step with ATP. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24763-24783.	1.3	8
22	FT-IR and FT-Raman spectra of 5-fluorouracil with solid state simulation by DFT methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 132, 430-445.	2.0	6
23	FT-IR and FT-Raman spectra of 6-chlorouracil: Molecular structure, tautomerism and solid state simulation. A comparison between 5-chlorouracil and 6-chlorouracil. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 130, 653-668.	2.0	17
24	FT-IR, FT-Raman spectra and other molecular properties of 2,4-dichlorobenzonitrile: A interpretation by a DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 123, 89-97.	2.0	7
25	Molecular structure differences between the antiviral Nucleoside Analogue 5-iodo-2-deoxyuridine and the natural nucleoside 2-deoxythymidine using MP2 and DFT methods: conformational analysis, crystal simulations, DNA pairs and possible behaviour. <i>Journal of Biomolecular Structure and Dynamics</i> , 2014, 32, 831-851.	2.0	37
26	Anticancer drug IdUdR and other 5-halogen derivatives of 2-deoxyuridine: conformers, hydrates, and structure-activity relationships. <i>Structural Chemistry</i> , 2014, 25, 53-69.	1.0	10
27	Conformational Analysis, Molecular Structure and Solid State Simulation of the Antiviral Drug Acyclovir (Zovirax) Using Density Functional Theory Methods. <i>Pharmaceuticals</i> , 2014, 7, 695-722.	1.7	15
28	Research Strategies Developed for the Treatment of Alzheimer's Disease. Reversible and Pseudo-Irreversible Inhibitors of Acetylcholinesterase: Structure-Activity Relationships and Drug Design. , 2014, , 426-477.		1
29	Structure-activity relationships of the antiviral D4T and seven 4-substituted derivatives using MP2 and DFT methods. <i>Structural Chemistry</i> , 2013, 24, 967-980.	1.0	6
30	The biomolecule of 5-bromocytosine: FT-IR and FT-Raman spectra and DFT calculations. Identification of the tautomers in the isolated state and simulation the spectra in the solid state. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 111, 104-122.	2.0	13
31	Effect of the microhydration on the tautomerism in the anticarcinogenic drug 5-fluorouracil and relationships with other 5-haloderivatives. <i>Journal of Molecular Structure</i> , 2013, 1054-1055, 32-45.	1.8	18
32	Simulation of a tetramer form of 5-chlorouracil: The vibrational spectra and molecular structure in the isolated and in the solid state by using DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 404-418.	2.0	12
33	Molecular structure of the nucleoside analogue inosine using DFT methods: Conformational analysis, crystal simulations and possible behaviour. <i>Journal of Molecular Structure</i> , 2013, 1047, 358-371.	1.8	12
34	FT-IR, FT-Raman spectra and other molecular properties of 3,5-dichlorobenzonitrile: A DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 116, 509-517.	2.0	10
35	Vibrational spectral investigations and density functional theory study of 4-Formylbenzoic acid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 114, 502-508.	2.0	7
36	2-Amino-3,5-dichlorobenzonitrile: DFT calculations in the monomer and dimer forms, FT-IR and FT-Raman spectra, molecular geometry, atomic charges and thermodynamical parameters. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 110, 458-470.	2.0	6

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37	Solid state simulation of tetramer form of 5-aminouracil: The vibrational spectra and molecular structure study by using MP2 and DFT calculations. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 97, 948-962.	2.0	11
38	Structure of the antiviral stavudine using quantum chemical methods: Complete conformational space analysis, 3D potential energy surfaces and solid state simulations. <i>Journal of Molecular Structure</i> , 2012, 1028, 181-195.	1.8	13
39	Tautomerism in 5-Bromouracil: Relationships with Other 5-Haloderivatives and Effect of the Microhydration. <i>Spectroscopy Letters</i> , 2011, 44, 300-306.	0.5	18
40	Structure and conformational analysis of the anti-HIV AZT 5-aminocarbonylphosphonate prodrug using DFT methods. <i>Chemical Physics</i> , 2011, 387, 11-24.	0.9	14
41	DFT calculation of four new potential agents muscarinic of bispyridinium type: structure, synthesis, biological activity, hydration, and relations with the potents W84 and DUO-30. <i>Journal of Computer-Aided Molecular Design</i> , 2011, 25, 145-161.	1.3	19
42	Density functional theory calculations and vibrational spectral analysis of 3,5-(dinitrobenzoic acid). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 78, 1437-1444.	2.0	59
43	Vibrational spectra, tautomerism and thermodynamics of anticarcinogenic drug: 5-Fluorouracil. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 970-977.	2.0	44
44	Vibrational spectra, normal coordinate analysis and thermodynamics of 2, 5-difluorobenzonitrile. <i>Indian Journal of Physics</i> , 2010, 84, 151-165.	0.9	11
45	Relationships observed in the structure and spectra of uracil and its 5-substituted derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010, 75, 1261-1269.	2.0	38
46	FT-IR and FT-Raman spectra, ab initio and density functional computations of the vibrational spectra, molecular geometry, atomic charges and some molecular properties of the biomolecule 5-iodouracil. <i>Computational and Theoretical Chemistry</i> , 2010, 940, 29-44.	1.5	21
47	Simulation of a tetramer form of 5-iodouracil: The vibrational spectra and molecular structure in the isolated and in the solid state by using DFT calculations. <i>Vibrational Spectroscopy</i> , 2010, 52, 108-121.	1.2	15
48	Raman and Infrared Spectra of Hydrated 2,4-Dithiouracil Molecule. , 2010, , .		2
49	FT-IR and FT-Raman spectra of complex of La(III) with 6-aminouracil. , 2010, , .		0
50	Hydrogen Bond Analysis of L-Ascorbic Acid: Ab Initio Study. , 2010, , .		0
51	Raman And Infrared Spectra Of Hydrated 5-Nitouracil Molecule. , 2010, , .		1
52	FT-IR and FT-Raman Spectra of 2, 6-Difluorobenzonitrile. , 2010, , .		0
53	Quantum Chemical Scaling and Its Importance: The Infrared and Raman Spectra of 5-Bromouracil. <i>Spectroscopy Letters</i> , 2010, 43, 51-59.	0.5	20
54	Hydration Analysis of Antiviral Agent AZT by Means of DFT and MP2 Calculations. <i>Journal of Physical Chemistry B</i> , 2010, 114, 15199-15211.	1.2	19

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55	Tautomerism of the natural thymidine nucleoside and the antiviral analogue D4T. Structure and influence of an aqueous environment using MP2 and DFT methods. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 881-893.	1.3	27
56	Simulation of the First Hydration Shell of Nucleosides D4T and Thymidine: Structures Obtained Using MP2 and DFT Methods. <i>Journal of Physical Chemistry B</i> , 2009, 113, 2458-2476.	1.2	38
57	On the Connection between the Complexation and Aggregation Thermodynamics of Oxyethylene Nonionic Surfactants. <i>Journal of Physical Chemistry B</i> , 2008, 112, 15691-15700.	1.2	12
58	FTIR and FT-Raman spectra and density functional computations of the vibrational spectra, molecular geometry and atomic charges of the biomolecule: 5-bromouracil. <i>Journal of Raman Spectroscopy</i> , 2007, 38, 1227-1241.	1.2	79
59	Studying the transfer process of a gemini surfactant from water to β -cyclodextrin at a molecular level. <i>Chemical Physics Letters</i> , 2007, 446, 92-97.	1.2	13
60	Geometrical parameters, vibrational wavenumbers, and relationships established with six difluorobenzonitriles. <i>International Journal of Quantum Chemistry</i> , 2007, 107, 1099-1114.	1.0	16
61	FT-IR, FT-Raman spectra, density functional computations of the vibrational spectra and molecular geometry of biomolecule 5-aminouracil. <i>Chemical Physics</i> , 2007, 340, 17-31.	0.9	98
62	IR and Raman spectra, density functional computations of vibrational spectrum, molecular geometry, atomic charges, and some molecular properties of 3-aminobenzonitrile molecule. <i>International Journal of Quantum Chemistry</i> , 2006, 106, 1885-1901.	1.0	11
63	Unexpected binding mode of gemini surfactants and β -cyclodextrin: DOSY as a tool for the study of complexation. <i>Chemical Physics Letters</i> , 2006, 432, 486-490.	1.2	19
64	4-Aminobenzonitrile: ab initio calculations, FTIR and Raman spectra. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 85-99.	1.2	22
65	Scaling factors for the prediction of vibrational spectra. II. The aniline molecule and several derivatives. <i>International Journal of Quantum Chemistry</i> , 2005, 103, 394-421.	1.0	157
66	Benzonitriles: Survey of Their Importance and Scaling of Their Vibrational Frequencies. <i>ChemInform</i> , 2003, 34, no.	0.1	0
67	Vibrational frequencies and structure of 2-thiouracil by Hartree-Fock, post-Hartree-Fock and density functional methods. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 2473-2486.	2.0	56
68	Benzonitriles: Survey of their importance and scaling of their vibrational frequencies. <i>International Journal of Quantum Chemistry</i> , 2003, 94, 189-204.	1.0	51
69	Quantum chemical predictions of the vibrational spectra of polyatomic molecules.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 411-440.	2.0	168
70	3,5-Difluorobenzonitrile: ab initio calculations, FTIR and Raman spectra. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002, 58, 1987-2004.	2.0	170
71	The hydration effect on the uracil frequencies: an experimental and quantum chemical study. <i>Computational and Theoretical Chemistry</i> , 2002, 585, 69-92.	1.5	66
72	Accurate scaling of the vibrational spectra of aniline and several derivatives. <i>Computational and Theoretical Chemistry</i> , 2002, 593, 101-131.	1.5	100

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73	Theoretical quantum chemical study of benzoic acid: Geometrical parameters and vibrational wavenumbers. <i>International Journal of Quantum Chemistry</i> , 2002, 89, 1-24.	1.0	37
74	Quantum chemical study of several monocyclic complex $\hat{\text{I}}^2$ -lactam C-3, C-4, and N-derivatives, and $\hat{\text{I}}^2$ -ring model molecules. <i>International Journal of Quantum Chemistry</i> , 2002, 89, 25-47.	1.0	6
75	Study of phenothiazine and N-methyl phenothiazine by infrared, raman, ^1H -, and ^{13}C -NMR spectroscopies. <i>International Journal of Quantum Chemistry</i> , 2002, 89, 147-171.	1.0	27
76	Laser Raman and IR spectra and force fields for 2,4-dichlorobenzonitrile. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 209-216.	2.0	14
77	Ab initio calculations, FTIR and Raman spectra of 2,3-difluorobenzonitrile. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2001, 57, 2373-2389.	2.0	19
78	FTIR study of five complex $\hat{\text{I}}^2$ -lactam molecules. <i>Biopolymers</i> , 2001, 62, 278-294.	1.2	6
79	Scaling factors for the prediction of vibrational spectra. I. Benzene molecule. <i>International Journal of Quantum Chemistry</i> , 2000, 77, 661-684.	1.0	405
80	Fourier transform Raman spectrum and ab initio and density functional computations of the vibrational spectrum, molecular geometry, atomic charges and some molecular properties of the anticarcinogenic drug 5-fluorouracil. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 595-603.	1.2	50
81	FTIR and FT-Raman spectra of 5-methyluracil (thymine). <i>Journal of Raman Spectroscopy</i> , 2000, 31, 1005-1012.	1.2	48
82	Ab initio study of geometrical structures of $\text{SiH}_3\hat{\text{X}}\text{H}$ silanes. <i>Computational and Theoretical Chemistry</i> , 2000, 528, 269-285.	1.5	6
83	Scaling factors for the prediction of vibrational spectra. I. Benzene molecule. <i>International Journal of Quantum Chemistry</i> , 2000, 77, 661.	1.0	12
84	A reinvestigation of the molecular structure of dimethyl- N -nitramine by gas electron diffraction, ab initio calculations of the molecular geometry and the force field and vibrational spectra. <i>Journal of Molecular Structure</i> , 1999, 485-486, 153-161.	1.8	4
85	A comparative study of the scaled vibrational frequencies in the local anesthetics procaine, tetracaine and propoxycaine by means of semiempirical methods: AM1, PM3 and SAM1. <i>Computational and Theoretical Chemistry</i> , 1999, 459, 239-271.	1.5	19
86	Inter-relationships between the geometrical parameters of the amino group in several para-substituted anilines. <i>Computational and Theoretical Chemistry</i> , 1999, 493, 171-177.	1.5	22
87	Geometry and frequencies of the halothane molecule. <i>Computational and Theoretical Chemistry</i> , 1999, 493, 179-185.	1.5	8
88	Scaling Factors for the Prediction of the Frequencies of the Ring Modes in Benzene Derivatives. <i>Journal of Physical Chemistry A</i> , 1999, 103, 11366-11377.	1.1	36
89	Classical and Inverted Structures of $\text{SiX}_n\text{H}_3\text{-nLi}$ and $\text{SiX}_n\text{H}_3\text{-nNa}$. <i>Journal of Physical Chemistry A</i> , 1999, 103, 8537-8542.	1.1	6
90	Infrared Study of Phenothiazine and N-Methyl Phenothiazine. , 1999, , 611-612.		0

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91	Synthesis and characterisation of complex of Cu(II) with 6-azauracil. , 1999, , 637-638.		0
92	Quantum Chemical Predictions of the NMR Spectrum of Phenothiazine and N-Methyl Phenothiazine. , 1999, , 433-434.		0
93	Vibrational study of $\hat{1}\pm$ - and $\hat{1}^3$ -pyridone. , 1999, , 613-614.		0
94	Uracil molecule: the transferability of the scale factors for the prediction of the infrared spectra. , 1999, , 295-296.		0
95	Synthesis and characterisation of complex of Cu(II) with 5-carboxy-2-thiouracil. , 1999, , 625-626.		0
96	Vibrational study of 3-methyluracil. , 1999, , 293-294.		0
97	Structures and Spectral Characteristics of Silylborane, Silylaluminum Hydride, Silylphosphine, and Silyl Mercaptan. Spectroscopy Letters, 1997, 30, 379-402.	0.5	5
98	Raman Spectrum of Procaine Hydrochloride. Spectroscopy Letters, 1997, 30, 975-998.	0.5	10
99	Interpretation of the vibrational spectra of chloramide, H ₂ NCl, on the basis of post-Hartree-Fock force field. Computational and Theoretical Chemistry, 1997, 417, 187-193.	1.5	2
100	A Spectroscopic Study of Several $\hat{1}^2$ -Lactams by FT-IR and Theoretical Methods. , 1997, , 533-534.		0
101	A Study of Para-Aminobenzoic Acid: Structure, Frequencies, Torsion and Inversion Barriers of the Amino Group. , 1997, , 535-536.		1
102	Frequencies and Structure of the 1,3-Deimethyluracil Devier. , 1997, , 215-216.		0
103	Characterization of the $\hat{1}^2$ -Lactam Ring Fundamental Vibrations by Ab Initio and FT-IR Methods. , 1995, , 79-80.		0
104	Infrared and Raman Study of the Local Anesthetic Procaine. Spectroscopy Letters, 1994, 27, 613-638.	0.5	13
105	Eclipsed and staggered conformations of (SiH ₃) ₂ F ⁺ : An ab initio study. International Journal of Quantum Chemistry, 1994, 50, 69-90.	1.0	3
106	Dimer form of 1,3-dimethyluracil studied by theAM1 semiempirical method. International Journal of Quantum Chemistry, 1994, 51, 141-159.	1.0	3
107	Vibrational frequencies, conformations and geometry of procaine. Vibrational Spectroscopy, 1994, 6, 149-165.	1.2	9
108	Inverse bond length/bond angle relationships. Computational and Theoretical Chemistry, 1994, 304, 261-267.	1.5	4

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109	Spectroscopy of p-Methoxybenzoic Acid: An AM1 and ab Initio Study. Applied Spectroscopy, 1994, 48, 27-36.	1.2	20
110	Comparison Between the IR Spectra and the Structure of the Two Conformations of a Diazabicyclanol. Spectroscopy Letters, 1994, 27, 1165-1186.	0.5	3
111	Nonempirical quantum chemical calculation for nitramide, its chloro- and methyl-substituted derivatives. I. Structure of equilibrium forms. Journal of Structural Chemistry, 1993, 34, 2-8.	0.3	5
112	An AM1 study of structure and conformational isomerism in bicyclo[3.3.1]nonane and several 3,7-diaza derivatives. Computational and Theoretical Chemistry, 1993, 285, 33-46.	1.5	4
113	Theoretical prediction of the vibrational spectrum, geometry, and scaled quantum mechanical (SQM) force field of phenylsilane, C ₆ H ₅ SiH ₃ . Computational and Theoretical Chemistry, 1993, 284, 23-35.	1.5	6
114	Structure and spectral characteristics of o-aminobenzoic acid by AM1. Vibrational Spectroscopy, 1993, 6, 95-105.	1.2	35
115	Infrared and Raman Study of Benzocaine Hydrochloride. Spectroscopy Letters, 1993, 26, 1395-1415.	0.5	2
116	Conformational study of several diazabicyclanols by the AM1 method. Computational and Theoretical Chemistry, 1992, 257, 259-278.	1.5	2
117	A comparative study of the procaine ⁺ H ⁺ structures. Interpretation of the procaine hydrochloride spectra by AM1. Computational and Theoretical Chemistry, 1992, 262, 7-20.	1.5	3
118	AM1 study of several diazabicyclanones. Computational and Theoretical Chemistry, 1992, 262, 21-37.	1.5	2
119	Structural and vibrational study of the 3,7-dimethyl-3,7-diazabicyclo [3.3.1] nonan-9-ol molecule by the AM1 method. Journal of Molecular Structure, 1991, 249, 313-325.	1.8	3
120	A comparative study of the vibrational frequencies and intensities in benzocaine by means of semiempirical methods: AM1, MINDO/3 and MNDO. Computational and Theoretical Chemistry, 1991, 236, 161-192.	1.5	33
121	Conformational changes by ring puckering and inversion in 1,3,2-dioxaphospholene. Computational and Theoretical Chemistry, 1991, 228, 315-322.	1.5	1
122	Raman spectra and vibrational analysis for benzocaine. Journal of Raman Spectroscopy, 1989, 20, 765-771.	1.2	13
123	Calculation of the transitions in the amine inversion vibration of some local anesthetics. Journal of Molecular Structure, 1988, 175, 81-84.	1.8	10
124	Infrared study of some solid local anesthetics. Spectrochimica Acta Part A: Molecular Spectroscopy, 1988, 44, 1465-1471.	0.1	10
125	Laser Raman spectroscopy of some local anesthetics. Journal of Molecular Structure, 1986, 143, 415-418.	1.8	2