

Emilio Martinez-Nunez

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129
papers

28,115
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28
h-index

137
g-index

137
ext. papers

29,393
ext. citations

3.6
avg, IF

7.66
L-index

#	Paper	IF	Citations
129	Development and use of quantum mechanical molecular models. 76. AM1: a new general purpose quantum mechanical molecular model. <i>Journal of the American Chemical Society</i> , 1985 , 107, 3902-3909	16.4	12010
128	Optimization of parameters for semiempirical methods I. Method. <i>Journal of Computational Chemistry</i> , 1989 , 10, 209-220	3.5	6553
127	Optimization of parameters for semiempirical methods V: modification of NDDO approximations and application to 70 elements. <i>Journal of Molecular Modeling</i> , 2007 , 13, 1173-213	2	2577
126	MOPAC: a semiempirical molecular orbital program. <i>Journal of Computer-Aided Molecular Design</i> , 1990 , 4, 1-105	4.2	2256
125	Optimization of parameters for semiempirical methods VI: more modifications to the NDDO approximations and re-optimization of parameters. <i>Journal of Molecular Modeling</i> , 2013 , 19, 1-32	2	1126
124	RM1: a reparameterization of AM1 for H, C, N, O, P, S, F, Cl, Br, and I. <i>Journal of Computational Chemistry</i> , 2006 , 27, 1101-11	3.5	571
123	Application of localized molecular orbitals to the solution of semiempirical self-consistent field equations. <i>International Journal of Quantum Chemistry</i> , 1996 , 58, 133-146	2.1	303
122	Application of the PM6 method to modeling proteins. <i>Journal of Molecular Modeling</i> , 2009 , 15, 765-805	2	235
121	Optimization of parameters for semiempirical methods IV: extension of MNDO, AM1, and PM3 to more main group elements. <i>Journal of Molecular Modeling</i> , 2004 , 10, 155-64	2	213
120	Application of the PM6 method to modeling the solid state. <i>Journal of Molecular Modeling</i> , 2008 , 14, 499-535	2	125
119	An automated method to find transition states using chemical dynamics simulations. <i>Journal of Computational Chemistry</i> , 2015 , 36, 222-34	3.5	111
118	Comparison of the accuracy of semiempirical and some DFT methods for predicting heats of formation. <i>Journal of Molecular Modeling</i> , 2004 , 10, 6-12	2	95
117	An automated transition state search using classical trajectories initialized at multiple minima. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14912-21	3.6	72
116	An automated method to find reaction mechanisms and solve the kinetics in organometallic catalysis. <i>Chemical Science</i> , 2017 , 8, 3843-3851	9.4	66
115	Chemical Dynamics Simulations of CO ₂ Scattering off a Fluorinated Self-Assembled Monolayer Surface. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 354-364	3.8	66
114	DFT conformational study of cysteine in gas phase and aqueous solution. <i>Computational and Theoretical Chemistry</i> , 2000 , 498, 191-200		60
113	Single-Valued DMBE Potential Energy Surface for HSO: A Distributedn-Body Polynomial Approach. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 5923-5932	2.8	60

112	Development and use of quantum mechanical molecular models. 76. AM1: a new general purpose quantum mechanical molecular model. [Erratum to document cited in CA103(2):11627F]. <i>Journal of the American Chemical Society</i> , 1993 , 115, 5348-5348	16.4	59
111	Quasiclassical trajectory study of the F + CH ₄ reaction dynamics on a dual-level interpolated potential energy surface. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 8459-70	2.8	51
110	Semiempirical Hamiltonian for simulation of azobenzene photochemistry. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 98-110	2.8	50
109	Quasiclassical dynamics simulation of the collision-induced dissociation of Cr(CO) ₆ + with Xe. <i>Journal of Chemical Physics</i> , 2005 , 123, 154311	3.9	44
108	Intermolecular interactions and cooperative effects in acetonitrile clusters. An ab initio molecular orbital study. <i>Computational and Theoretical Chemistry</i> , 2000 , 498, 21-28		43
107	Dynamics of CO ₂ scattering off a perfluorinated self-assembled monolayer. Influence of the incident collision energy, mass effects, and use of different surface models. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 3850-65	2.8	42
106	Trajectory dynamics study of the Ar + CH ₄ dissociation reaction at high temperatures: the importance of zero-point-energy effects. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 5415-23	2.8	42
105	Chemical Dynamics Simulations of Energy Transfer in Collisions of Protonated Peptide Ions with a Perfluorinated Alkylthiol Self-Assembled Monolayer Surface. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9377-9386	3.8	35
104	Inelastic scattering dynamics of Ar from a perfluorinated self-assembled monolayer surface. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 12785-94	2.8	32
103	The role of aromaticity in the planarity of lumiflavin. <i>Journal of Organic Chemistry</i> , 2002 , 67, 6347-52	4.2	31
102	On the gas phase fragmentation of protonated uracil: a statistical perspective. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 14980-90	3.6	28
101	Influence of Multiple Conformations and Paths on Rate Constants and Product Branching Ratios. Thermal Decomposition of 1-Propanol Radicals. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 4790-4800	2.8	27
100	Quasiclassical trajectory study of the collision-induced dissociation of CH ₃ SH ⁺ + Ar. <i>Journal of Chemical Physics</i> , 2004 , 121, 2571-7	3.9	26
99	Hydrogen transfer vs proton transfer in 7-hydroxy-quinoline.(NH ₃) ₃ : a CASSCF/CASPT2 study. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 5907-12	2.8	25
98	Use of Semiempirical Methods for Detecting Anomalies in Reported Enthalpies of Formation of Organic Compounds. <i>Journal of Physical and Chemical Reference Data</i> , 2004 , 33, 713-724	4.3	24
97	A Trajectory-Based Method to Explore Reaction Mechanisms. <i>Molecules</i> , 2018 , 23,	4.8	24
96	Acceleration of Classical Mechanics by Phase Space Constraints. <i>Journal of Chemical Theory and Computation</i> , 2006 , 2, 912-9	6.4	23
95	Dissociation of Difluoroethylenes. II. Direct Classical Trajectory Study of the HF Elimination from 1,2-Difluoroethylene. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 1398-1404	2.8	23

94	An investigation into the applicability of the semiempirical method PM7 for modeling the catalytic mechanism in the enzyme chymotrypsin. <i>Journal of Molecular Modeling</i> , 2017 , 23, 154	2	22
93	Ab initio and RRKM study of the HCN/HNC elimination channels from vinyl cyanide. <i>Journal of Physical Chemistry A</i> , 2011 , 115, 979-85	2.8	22
92	Further investigation of the HCl elimination in the photodissociation of vinyl chloride at 193 nm: a direct MP2/6-31G(d,p) trajectory study. <i>Chemical Physics Letters</i> , 2004 , 386, 225-232	2.5	22
91	A Direct Classical Trajectory Study of HCl Elimination from the 193 nm Photodissociation of Vinyl Chloride. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 7611-7618	2.8	22
90	Methanol dimer formation drastically enhances hydrogen abstraction from methanol by OH at low temperature. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 22712-8	3.6	21
89	HCN elimination from vinyl cyanide: product energy partitioning, the role of hydrogen-deuterium exchange reactions and a new pathway. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 6948-55	3.6	21
88	Collision-induced dissociation mechanisms of [Li(uracil)] ⁺ . <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 7628-37	3.6	21
87	Classical, quantum and statistical simulations of vibrationally excited HOSO(2): IVR, dissociation, and implications for OH + SO(2) kinetics at high pressures. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 963-74	3.6	21
86	Quasiclassical trajectory study of the collision-induced dissociation dynamics of Ar + CH ₃ SH ⁺ using an ab initio interpolated potential energy surface. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 1225-31	2.8	21
85	Dynamics calculations for the Cl+C ₂ H ₆ abstraction reaction: Thermal rate constants and kinetic isotope effects. <i>Journal of Chemical Physics</i> , 2003 , 118, 6280-6288	3.9	21
84	Recent applications of boxed molecular dynamics: a simple multiscale technique for atomistic simulations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014 , 372,	3	20
83	Product energy distributions for the four-center HF elimination from 1,1-difluoroethylene. A direct dynamics study. <i>Chemical Physics Letters</i> , 2001 , 348, 81-88	2.5	20
82	Three-center vs. four-center HF elimination from vinyl fluoride: a direct dynamics study. <i>Chemical Physics Letters</i> , 2000 , 332, 583-590	2.5	20
81	Photodissociation of formic acid: A trajectory surface hopping study. <i>Chemical Physics Letters</i> , 2005 , 412, 35-40	2.5	19
80	On the conformational memory in the photodissociation of formic acid. <i>Journal of Physical Chemistry A</i> , 2005 , 109, 2836-9	2.8	18
79	Dissociation of Difluoroethylenes. I. Global Potential Energy Surface, RRKM, and VTST Calculations. <i>Journal of Physical Chemistry A</i> , 2003 , 107, 1389-1397	2.8	18
78	Unimolecular reaction dynamics of HSO. Analysis of the influence of different barrier samplings on the product energy distributions. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 279-287	3.6	18
77	l-Cysteine Modified by S-Sulfation: Consequence on Fragmentation Processes Elucidated by Tandem Mass Spectrometry and Chemical Dynamics Simulations. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 3685-3696	2.8	16

76	Ab Initio Calculations on the Vinyl Fluoride Fragmentation Reactions. <i>Structural Chemistry</i> , 2001 , 12, 95-100	10.0	16
75	New interpretation of ground- and excited-state tunneling splitting in 2-pyridone ² -hydroxypyridine. <i>Chemical Physics Letters</i> , 2004 , 386, 396-402	2.5	15
74	Dissociation of ethylene and several deuterated derivatives at 193 and 157 nm by direct classical trajectories. <i>Chemical Physics Letters</i> , 2002 , 353, 418-425	2.5	15
73	Nonstatistical effects in the unimolecular dissociation of the acetyl radical. <i>Journal of Chemical Physics</i> , 1999 , 110, 11323-11334	3.9	15
72	GAFit: A general-purpose, user-friendly program for fitting potential energy surfaces. <i>Computer Physics Communications</i> , 2017 , 217, 89-98	4.2	14
71	Theoretical and computational studies of non-equilibrium and non-statistical dynamics in the gas phase, in the condensed phase and at interfaces. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	14
70	Direct-dynamics VTST study of the [1,7] hydrogen shift in 7-methylocta-1,3(Z),5(Z)-triene. A model system for the hydrogen transfer reaction in previtamin D3. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 719-25	2.8	14
69	Rovibrational distributions of HF in the photodissociation of vinyl fluoride at 193 nm: a direct MP2 quasiclassical trajectory study. <i>Journal of Chemical Physics</i> , 2004 , 121, 5179-82	3.9	14
68	Direct Dynamics Study of the Dissociation and Elimination Channels in the Thermal Decomposition of Methyl Nitrite. <i>Journal of the American Chemical Society</i> , 1998 , 120, 7594-7601	16.4	14
67	Is Photolytic Production a Viable Source of HCN and HNC in Astrophysical Environments? A Laboratory-based Feasibility Study of Methyl Cyanofornate. <i>Astrophysical Journal</i> , 2017 , 849, 15	4.7	12
66	Chemical Dynamics Simulations of CO ₂ in the Ground and First Excited Bend States Colliding with a Perfluorinated Self-Assembled Monolayer. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 18455-18464	3.8	12
65	Direct dynamics study of the photodissociation of triplet propanal at threshold. <i>Chemical Physics Letters</i> , 2003 , 381, 37-44	2.5	12
64	A direct DFT dynamics study of the photodissociation of triplet acetaldehyde. <i>Chemical Physics Letters</i> , 2003 , 375, 591-597	2.5	12
63	A direct classical trajectory study of the acetone photodissociation on the triplet surface. <i>Journal of Chemical Physics</i> , 2003 , 119, 10618-10625	3.9	12
62	Classical Dynamics Study of the Unimolecular Decomposition of CH ₃ SH ⁺ . <i>Journal of Physical Chemistry A</i> , 1999 , 103, 9783-9793	2.8	11
61	DFT and Kinetic Monte Carlo Study of TMS-Substituted Ruthenium Vinyl Carbenes: Key Intermediates for Stereoselective Cyclizations. <i>ACS Catalysis</i> , 2015 , 5, 6255-6262	13.1	10
60	Femtochemistry under scrutiny: Clocking state-resolved channels in the photodissociation of CHI in the A-band. <i>Journal of Chemical Physics</i> , 2020 , 152, 014304	3.9	10
59	A comparison of X-ray and calculated structures of the enzyme MTH1. <i>Journal of Molecular Modeling</i> , 2016 , 22, 168	2	10

58	Understanding Energy Transfer in Gas-Surface Collisions from Gas-Phase Models. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 2609-2621	3.8	10
57	Quasi-classical trajectory study of H ₂ elimination in the photodissociation of difluoroethylenes at 193 nm. <i>Journal of Chemical Physics</i> , 2003 , 118, 6941-6945	3.9	10
56	Dynamical study of the dissociation and elimination channels in the decomposition of methyl nitrite. <i>Journal of Chemical Physics</i> , 1998 , 109, 8907-8919	3.9	10
55	An ab initio study of a model compound of penicillins. <i>Computational and Theoretical Chemistry</i> , 1999 , 491, 177-185		10
54	Quasi-Classical Trajectory Dynamics Study of the Cl(P) + CH ₃ -HCl(v,j) + CH Reaction. Comparison with Experiment. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 2626-2633	2.8	9
53	Dynamics of Mg ⁺ + H ₂ O + He: capture, collisional stabilization and collision-induced dissociation. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 6472-9	2.8	9
52	Chemical Dynamics Study of NO Scattering from a Perfluorinated Self-Assembled Monolayer. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 23817-23830	3.8	9
51	Direct dynamics simulation of the methanethiol cation decomposition. <i>Chemical Physics Letters</i> , 2000 , 324, 88-94	2.5	9
50	Further dynamical studies of the dissociation and elimination reactions of methyl nitrite. <i>Journal of Chemical Physics</i> , 1999 , 111, 10501-10510	3.9	9
49	Enhancing Automated Reaction Discovery with Boxed Molecular Dynamics in Energy Space. <i>ChemSystemsChem</i> , 2020 , 2, e1900024	3.1	9
48	A method for predicting individual residue contributions to enzyme specificity and binding-site energies, and its application to MTH1. <i>Journal of Molecular Modeling</i> , 2016 , 22, 259	2	8
47	Photodissociation of acryloyl chloride at 193 nm: interpretation of the product energy distributions, and new elimination pathways. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 5019-26	3.6	8
46	Energy Transfer and Thermal Accommodation in Ozone Scattering from a Perfluorinated Self-Assembled Monolayer. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25454-25464	3.8	8
45	Further studies of the methyl nitrite cis-trans isomerization. <i>Journal of Chemical Physics</i> , 1997 , 107, 5393-5405	3.5	8
44	Symmetry groups for unit cells in solids. <i>Journal of Computational Chemistry</i> , 1998 , 19, 168-180	3.5	8
43	Rotational distributions of HBr in the photodissociation of vinyl bromide at 193 nm: An investigation by direct quasiclassical trajectory calculations. <i>Chemical Physics Letters</i> , 2006 , 425, 22-27	2.5	8
42	RRKM and direct MP2/6-31G(d,p) quasiclassical trajectory study of the H ₂ elimination in the photodissociation of vinyl chloride at 193 nm. <i>Chemical Physics Letters</i> , 2004 , 396, 442-447	2.5	8
41	Theoretical investigations on the vibronic coupling between the electronic states S ₀ and S ₁ of formic acid including the photodissociation at 248 nm. <i>Chemical Physics Letters</i> , 2005 , 407, 166-170	2.5	8

40	A quantum chemical study of aniline/ammonia clusters. Thermodynamic properties and frequency analysis. <i>Computational and Theoretical Chemistry</i> , 2000 , 497, 105-113		8
39	Dynamics of the cis↔trans isomerization and Cl↔N dissociation of chlorine nitrite. Classical trajectory and statistical calculations. <i>Physical Chemistry Chemical Physics</i> , 2000 , 2, 5393-5399	3.6	8
38	An examination of the nature of localized molecular orbitals and their value in understanding various phenomena that occur in organic chemistry. <i>Journal of Molecular Modeling</i> , 2018 , 25, 7	2	8
37	Intermolecular potentials for simulations of collisions of SiNCS+ and (CH3)2SiNCS+ ions with fluorinated self-assembled monolayers. <i>Chemical Physics</i> , 2012 , 399, 193-204	2.3	7
36	Internal energy of HCl upon photolysis of 2-chloropropene at 193 nm investigated with time-resolved Fourier-transform spectroscopy and quasiclassical trajectories. <i>Journal of Chemical Physics</i> , 2008 , 129, 224301	3.9	7
35	Ab initio and RRKM study of the elimination of HF and HCl from chlorofluoroethylene. <i>Chemical Physics Letters</i> , 2007 , 435, 176-181	2.5	7
34	Rate constants and kinetic isotope effects for Cl+CH4↔ClH+CH3: a comparison between LSC-IVR and statistical theories. <i>Chemical Physics Letters</i> , 2002 , 360, 59-64	2.5	7
33	Quasiclassical trajectory calculations on the photodissociation of CF2CHCl at 193 nm: product energy distributions for the HF and HCl eliminations. <i>Journal of Chemical Physics</i> , 2005 , 122, 104316	3.9	7
32	AutoMeKin2021: An open-source program for automated reaction discovery. <i>Journal of Computational Chemistry</i> , 2021 , 42, 2036-2048	3.5	7
31	Standards-based curation of a decade-old digital repository dataset of molecular information. <i>Journal of Cheminformatics</i> , 2015 , 7, 43	8.6	6
30	Translational energy distributions in the photodissociation of fluorobenzene. <i>Chemical Physics</i> , 2008 , 349, 219-225	2.3	6
29	Rate constants and isotope effects for the CH3+H2↔CH4+H reaction by an approximate semiclassical initial-value representation method. <i>Chemical Physics Letters</i> , 2001 , 341, 351-357	2.5	6
28	A direct dynamics study of the H2 elimination from 2,5-dihydrofuran. <i>Journal of Chemical Physics</i> , 2001 , 115, 7872-7880	3.9	6
27	Rotational effects in the unimolecular dissociation of the acetyl radical. <i>Chemical Physics Letters</i> , 2000 , 316, 471-476	2.5	6
26	Classical Trajectory Study of the Cis↔Trans Isomerization and F↔O Dissociation of FONO. <i>Journal of Physical Chemistry A</i> , 1998 , 102, 8708-8715	2.8	6
25	Reply to the Comment on "Methanol dimer formation drastically enhances hydrogen abstraction from methanol by OH at low temperature" by D. Heard, R. Shannon, J. Gomez Martin, R. Caravan, M. Blitz, J. Plane, M. Antiñolo, M. Agundez, E. Jimenez, B. Ballesteros, A. Canosa, G. El Dib, J. Albaladejo and J. Cernicharo, <i>Phys. Chem. Chem. Phys.</i> , 2018 , 20, DOI: 10.1039/C7CP04561A.	3.6	5
24	Unraveling the Factors That Control Soft Landing of Small Silyl Ions on Fluorinated Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 10159-10169	3.8	5
23	Improved United-Atom Models for Perfluorinated Self-Assembled Monolayers. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3300-3312	3.8	5

22	Anharmonic Quasiclassical Barrier Samplings in Trajectory Calculations and Their Influence on the Computed Product Energy Distributions. <i>Journal of Physical Chemistry A</i> , 2001 , 105, 4808-4813	2.8	5
21	ChemDyME: Kinetically Steered, Automated Mechanism Generation through Combined Molecular Dynamics and Master Equation Calculations. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 4901-4912	6.4	5
20	Specific Reaction Parameter Multigrid POTFIT (SRP-MGPF): Automatic Generation of Sum-of-Products Form Potential Energy Surfaces for Quantum Dynamical Calculations. <i>Frontiers in Chemistry</i> , 2019 , 7, 576	5	4
19	Conformational analysis of model compounds of vitamin D by theoretical calculations. <i>Journal of Computational Chemistry</i> , 1997 , 18, 1647-1655	3.5	4
18	Rate constants for the CH ₃ O + NO → CH ₃ ONO reaction by classical trajectory and canonical variational transition state theory calculations. <i>Journal of Physical Organic Chemistry</i> , 2002 , 15, 123-129	2.1	4
17	Product energy distributions from ethylene photodissociation at 193 nm: a DFT direct classical trajectory study. <i>Chemical Physics Letters</i> , 2003 , 369, 1-7	2.5	4
16	A Theoretical Study of the Dynamics of the S + c-C ₃ H Reaction. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 8811-8819	2.8	4
15	Unimolecular decomposition of CH ₃ SH ⁺ : an ab initio and RRKM study. <i>Computational and Theoretical Chemistry</i> , 2000 , 505, 109-116		4
14	The unimolecular dissociation of the propionyl radical: A classical dynamics study. <i>Journal of Chemical Physics</i> , 2001 , 114, 3546-3553	3.9	4
13	Dinámica de reacciones unimoleculares en fase gas: Desviaciones del comportamiento estadístico. <i>Química Nova</i> , 2002 , 25, 579-588	1.6	4
12	Representing and selecting vibrational angular momentum states for quasiclassical trajectory chemical dynamics simulations. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 10292-301	2.8	3
11	Ab initio and RRKM calculations on the dissociation of the propionyl radical. <i>Journal of Molecular Structure</i> , 2000 , 556, 123-129	3.4	3
10	New Approach for Correcting Noncovalent Interactions in Semiempirical Quantum Mechanical Methods: The Importance of Multiple-Orientation Sampling. <i>Journal of Chemical Theory and Computation</i> , 2021 , 17, 5556-5567	6.4	3
9	Application of localized molecular orbitals to the solution of semiempirical self-consistent field equations 1996 , 58, 133		3
8	Effect of the Metal Ion on the Enantioselectivity and Linkage Isomerization of Thiosemicarbazone Helicates. <i>Chemistry - A European Journal</i> , 2017 , 23, 4884-4892	4.8	2
7	Trajectory dynamics study of collision-induced dissociation of the Ar + CH ₄ reaction at hyperthermal conditions: vibrational excitation and isotope substitution. <i>Journal of Physical Chemistry A</i> , 2006 , 110, 7113-21	2.8	2
6	Guidelines for preservation of methodological choices in the publication of computational results: B. Semiempirical electronic structure calculations(Technical report). <i>Pure and Applied Chemistry</i> , 2000 , 72, 1449-1452	2.1	2
5	A statistical study of the methyl nitrite isomerization reaction: inverse secondary isotope effects. <i>Chemical Physics Letters</i> , 1999 , 310, 209-214	2.5	2

- 4 A DFT study of a model compound of vitamin D. *Computational and Theoretical Chemistry*, **1999**, 492, 143-150 2
- 3 New Tools for Taming Complex Reaction Networks: The Unimolecular Decomposition of Indole Revisited. *ACS Physical Chemistry Au*, 2021, 1, 1-10 2
- 2 Symmetry groups for unit cells in solids **1998**, 19, 168 1
- 1 Photoisomerization of Linear and Stacked Isomers of a Charged Styryl Dye: A Tandem Ion Mobility Study. *Journal of the American Society for Mass Spectrometry*, **2021**, 32, 2842-2851 3-5