

# Anna I Krylov

## List of Publications by Citations

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20,446  
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L-index

#	Paper	IF	Citations
259	Advances in methods and algorithms in a modern quantum chemistry program package. <i>Physical Chemistry Chemical Physics</i> , <b>2006</b> , 8, 3172-91	3.6	2371
258	Advances in molecular quantum chemistry contained in the Q-Chem 4 program package. <i>Molecular Physics</i> , <b>2015</b> , 113, 184-215	1.7	2068
257	Equation-of-motion coupled-cluster methods for open-shell and electronically excited species: the Hitchhiker's guide to Fock space. <i>Annual Review of Physical Chemistry</i> , <b>2008</b> , 59, 433-62	15.7	709
256	Q-Chem 2.0: a high-performance ab initio electronic structure program package. <i>Journal of Computational Chemistry</i> , <b>2000</b> , 21, 1532-1548	3.5	588
255	The spin-flip approach within time-dependent density functional theory: Theory and applications to diradicals. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 4807-4818	3.9	489
254	Size-consistent wave functions for bond-breaking: the equation-of-motion spin-flip model. <i>Chemical Physics Letters</i> , <b>2001</b> , 338, 375-384	2.5	393
253	Singlet-triplet gaps in diradicals by the spin-flip approach: A benchmark study. <i>Journal of Chemical Physics</i> , <b>2002</b> , 117, 4694-4708	3.9	294
252	Equation-of-motion spin-flip coupled-cluster model with single and double substitutions: Theory and application to cyclobutadiene. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 175-85	3.9	269
251	Q-Chem: an engine for innovation. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , <b>2013</b> , 3, 317-326	7.9	257
250	Spin-flip equation-of-motion coupled-cluster electronic structure method for a description of excited states, bond breaking, diradicals, and triradicals. <i>Accounts of Chemical Research</i> , <b>2006</b> , 39, 83-91	24.3	249
249	Spin-flip configuration interaction: an electronic structure model that is both variational and size-consistent. <i>Chemical Physics Letters</i> , <b>2001</b> , 350, 522-530	2.5	236
248	Energies and analytic gradients for a coupled-cluster doubles model using variational Brueckner orbitals: Application to symmetry breaking in O <sub>4</sub> <sup>+</sup> . <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 4171-4181	3.9	216
247	Size-consistent wave functions for nondynamical correlation energy: The valence active space optimized orbital coupled-cluster doubles model. <i>Journal of Chemical Physics</i> , <b>1998</b> , 109, 10669-10678	3.9	211
246	Dyson orbitals for ionization from the ground and electronically excited states within equation-of-motion coupled-cluster formalism: theory, implementation, and examples. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 234106	3.9	206
245	Singlet Fission in a Covalently Linked Cofacial Alkynyltetracene Dimer. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 617-27	16.4	204
244	Perturbative corrections to the equation-of-motion spin-flip self-consistent field model: Application to bond-breaking and equilibrium properties of diradicals. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 3194-3203	3.9	180
243	General formulation of spin-flip time-dependent density functional theory using non-collinear kernels: theory, implementation, and benchmarks. <i>Journal of Chemical Physics</i> , <b>2012</b> , 136, 204103	3.9	163

242	Fission of Entangled Spins: An Electronic Structure Perspective. <i>Journal of Physical Chemistry Letters</i> , <b>2013</b> , 4, 3845-3852	6.4	162
241	Photoinduced Chemistry in Fluorescent Proteins: Curse or Blessing?. <i>Chemical Reviews</i> , <b>2017</b> , 117, 758-788	8.1	154
240	Second-order perturbation corrections to singles and doubles coupled-cluster methods: General theory and application to the valence optimized doubles model. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 3548-3560	3.9	151
239	Cross sections and photoelectron angular distributions in photodetachment from negative ions using equation-of-motion coupled-cluster Dyson orbitals. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 124114	3.9	150
238	Femtosecond multidimensional imaging of a molecular dissociation. <i>Science</i> , <b>2006</b> , 311, 219-22	33.3	150
237	A spin-complete version of the spin-flip approach to bond breaking: What is the impact of obtaining spin eigenfunctions?. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 9084-9094	3.9	133
236	Shape of Multireference, Equation-of-Motion Coupled-Cluster, and Density Functional Theory Potential Energy Surfaces at a Conical Intersection. <i>Journal of Chemical Theory and Computation</i> , <b>2014</b> , 10, 3074-84	6.4	132
235	A noniterative perturbative triples correction for the spin-flipping and spin-conserving equation-of-motion coupled-cluster methods with single and double substitutions. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 194105	3.9	126
234	Excited states theory for optimized orbitals and valence optimized orbitals coupled-cluster doubles models. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 6509-6527	3.9	122
233	Software for the frontiers of quantum chemistry: An overview of developments in the Q-Chem 5 package. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 084801	3.9	115
232	Quantum chemistry behind bioimaging: insights from ab initio studies of fluorescent proteins and their chromophores. <i>Accounts of Chemical Research</i> , <b>2012</b> , 45, 265-75	24.3	114
231	Calculations predict a stable molecular crystal of N <sub>8</sub> . <i>Nature Chemistry</i> , <b>2014</b> , 6, 52-6	17.6	107
230	Quantum Chemical Benchmark Studies of the Electronic Properties of the Green Fluorescent Protein Chromophore. 1. Electronically Excited and Ionized States of the Anionic Chromophore in the Gas Phase. <i>Journal of Chemical Theory and Computation</i> , <b>2009</b> , 5, 1895-906	6.4	104
229	A Simple Kinetic Model for Singlet Fission: A Role of Electronic and Entropic Contributions to Macroscopic Rates. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 5188-5195	3.8	103
228	Spin-conserving and spin-flipping equation-of-motion coupled-cluster method with triple excitations. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 084107	3.9	102
227	On the electronically excited states of uracil. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 9983-92	2.8	101
226	Extending Quantum Chemistry of Bound States to Electronic Resonances. <i>Annual Review of Physical Chemistry</i> , <b>2017</b> , 68, 525-553	15.7	97
225	Photoelectron wave function in photoionization: plane wave or Coulomb wave?. <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 4532-40	6.4	97

224	Benchmarking Excited-State Calculations Using Exciton Properties. <i>Journal of Chemical Theory and Computation</i> , <b>2018</b> , 14, 710-725	6.4	97
223	Potential Energy Landscape of the Electronic States of the GFP Chromophore in Different Protonation Forms: Electronic Transition Energies and Conical Intersections. <i>Journal of Chemical Theory and Computation</i> , <b>2010</b> , 6, 2377-87	6.4	95
222	General implementation of the resolution-of-the-identity and Cholesky representations of electron repulsion integrals within coupled-cluster and equation-of-motion methods: theory and benchmarks. <i>Journal of Chemical Physics</i> , <b>2013</b> , 139, 134105	3.9	94
221	Noncovalent interactions in extended systems described by the effective fragment potential method: theory and application to nucleobase oligomers. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 12739-54	2.8	91
220	Linker-Dependent Singlet Fission in Tetracene Dimers. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10179-10190	16.4	90
219	Interacting Rydberg and valence states in radicals and molecules: experimental and theoretical studies. <i>International Reviews in Physical Chemistry</i> , <b>2009</b> , 28, 267-308	7	89
218	New implementation of high-level correlated methods using a general block tensor library for high-performance electronic structure calculations. <i>Journal of Computational Chemistry</i> , <b>2013</b> , 34, 2293-2309	3.5	88
217	New and Efficient Equation-of-Motion Coupled-Cluster Framework for Core-Excited and Core-Ionized States. <i>Journal of Chemical Theory and Computation</i> , <b>2019</b> , 15, 3117-3133	6.4	86
216	Frozen natural orbitals for ionized states within equation-of-motion coupled-cluster formalism. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 014109	3.9	85
215	Complex absorbing potentials within EOM-CC family of methods: theory, implementation, and benchmarks. <i>Journal of Chemical Physics</i> , <b>2014</b> , 141, 024102	3.9	84
214	First-principle protocol for calculating ionization energies and redox potentials of solvated molecules and ions: theory and application to aqueous phenol and phenolate. <i>Journal of Physical Chemistry B</i> , <b>2012</b> , 116, 7269-80	3.4	84
213	Effect of solvation on the vertical ionization energy of thymine: from microhydration to bulk. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 6028-38	2.8	84
212	The effect of pi-stacking, H-bonding, and electrostatic interactions on the ionization energies of nucleic acid bases: adenine-adenine, thymine-thymine and adenine-thymine dimers. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 2292-307	3.6	83
211	Electronic structure of the trimethylenemethane diradical in its ground and electronically excited states: Bonding, equilibrium geometries, and vibrational frequencies. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 6874-6883	3.9	83
210	A Fresh Look at Resonances and Complex Absorbing Potentials: Density Matrix-Based Approach. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 310-5	6.4	82
209	Effect of protein environment on electronically excited and ionized states of the green fluorescent protein chromophore. <i>Journal of Physical Chemistry B</i> , <b>2011</b> , 115, 8296-303	3.4	82
208	Electronic structure and spectroscopy of nucleic acid bases: ionization energies, ionization-induced structural changes, and photoelectron spectra. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 12305-17	2.8	82
207	Double spin-flip approach within equation-of-motion coupled cluster and configuration interaction formalisms: Theory, implementation, and examples. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 044103	3.9	82

206	On couplings and excimers: lessons from studies of singlet fission in covalently linked tetracene dimers. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 7751-61	3.6	81
205	Benchmark full configuration interaction and equation-of-motion coupled-cluster model with single and double substitutions for ionized systems results for prototypical charge transfer systems: noncovalent ionized dimers. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 164110	3.9	81
204	Spin-contamination of coupled-cluster wave functions. <i>Journal of Chemical Physics</i> , <b>2000</b> , 113, 6052-6063	3.9	80
203	Charge localization and Jahn-Teller distortions in the benzene dimer cation. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 074104	3.9	79
202	Triradicals. <i>Journal of Physical Chemistry A</i> , <b>2005</b> , 109, 10638-45	2.8	79
201	Electronic structure of the water dimer cation. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 6159-70	2.8	77
200	A study of interstellar aldehydes and enols as tracers of a cosmic ray-driven nonequilibrium synthesis of complex organic molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 7727-32	11.5	77
199	Mapping the Excited State Potential Energy Surface of a Retinal Chromophore Model with Multireference and Equation-of-Motion Coupled-Cluster Methods. <i>Journal of Chemical Theory and Computation</i> , <b>2013</b> , 9, 4495-506	6.4	76
198	Analytic gradients for the spin-conserving and spin-flipping equation-of-motion coupled-cluster models with single and double substitutions. <i>Journal of Chemical Physics</i> , <b>2005</b> , 122, 224106	3.9	76
197	Products of the benzene + O(3P) reaction. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 3355-70	2.8	75
196	Observation of the fastest chemical processes in the radiolysis of water. <i>Science</i> , <b>2020</b> , 367, 179-182	33.3	74
195	What we can learn from the norms of one-particle density matrices, and what we can't: some results for interstate properties in model singlet fission systems. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 11943-55	2.8	73
194	Dissecting the Effect of Morphology on the Rates of Singlet Fission: Insights from Theory. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 19608-19617	3.8	72
193	Spin-orbit couplings within the equation-of-motion coupled-cluster framework: Theory, implementation, and benchmark calculations. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 064102	3.9	68
192	Extension of the Effective Fragment Potential Method to Macromolecules. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 6562-74	3.4	65
191	Bonding Patterns in Benzene Triradicals from Structural, Spectroscopic, and Thermochemical Perspectives. <i>Journal of Physical Chemistry A</i> , <b>2004</b> , 108, 6581-6588	2.8	65
190	Non-Condon Effects in the One- and Two-Photon Absorption Spectra of the Green Fluorescent Protein. <i>Journal of Physical Chemistry Letters</i> , <b>2011</b> , 2, 488-492	6.4	63
189	Ionization of dimethyluracil dimers leads to facile proton transfer in the absence of hydrogen bonds. <i>Nature Chemistry</i> , <b>2012</b> , 4, 323-9	17.6	62

188	Conical Intersection and Potential Energy Surface Features of a Model Retinal Chromophore: Comparison of EOM-CC and Multireference Methods. <i>Journal of Chemical Theory and Computation</i> , <b>2013</b> , 9, 284-92	6.4	62
187	Spin-flip methods in quantum chemistry. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 4326-4342	3.6	61
186	Spectroscopic signatures of proton transfer dynamics in the water dimer cation. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 194311	3.9	59
185	Ionization of cytosine monomer and dimer studied by VUV photoionization and electronic structure calculations. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 2860-72	3.6	58
184	Photodissociation dynamics of HCl in solid Ar: Cage exit, nonadiabatic transitions, and recombination. <i>Journal of Chemical Physics</i> , <b>1997</b> , 106, 6574-6587	3.9	56
183	Electronic structure of the benzene dimer cation. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 044317	3.9	56
182	First-principles characterization of the energy landscape and optical spectra of green fluorescent protein along the A-kB proton transfer route. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 11541-9	16.4	55
181	Complex-scaled equation-of-motion coupled-cluster method with single and double substitutions for autoionizing excited states: theory, implementation, and examples. <i>Journal of Chemical Physics</i> , <b>2013</b> , 138, 124106	3.9	55
180	Roaming Pathway Leading to Unexpected Water + Vinyl Products in C <sub>2</sub> H <sub>4</sub> OH Dissociation. <i>Journal of Physical Chemistry Letters</i> , <b>2010</b> , 1, 3058-3065	6.4	54
179	5-Dehydro-1,3-quinodimethane: a hydrocarbon with an open-shell doublet ground state. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 742-5	16.4	54
178	Electronic structure of the 1,3,5-tridehydrobenzene triradical in its ground and excited states. <i>Journal of Chemical Physics</i> , <b>2003</b> , 118, 9614-9622	3.9	53
177	Chromophore photoreduction in red fluorescent proteins is responsible for bleaching and phototoxicity. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 4527-34	3.4	50
176	Perspective: Computational chemistry software and its advancement as illustrated through three grand challenge cases for molecular science. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 180901	3.9	49
175	Two-photon absorption cross sections within equation-of-motion coupled-cluster formalism using resolution-of-the-identity and Cholesky decomposition representations: Theory, implementation, and benchmarks. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 064118	3.9	48
174	Multiheme Cytochrome Mediated Redox Conduction through <i>Shewanella oneidensis</i> MR-1 Cells. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 10085-10089	16.4	48
173	Photodissociation of ICN in solid and in liquid Ar: Dynamics of the cage effect and of excited-state isomerization. <i>Journal of Chemical Physics</i> , <b>1994</b> , 100, 4242-4252	3.9	48
172	Perturbative triples correction for the equation-of-motion coupled-cluster wave functions with single and double substitutions for ionized states: Theory, implementation, and examples. <i>Journal of Chemical Physics</i> , <b>2009</b> , 131, 114112	3.9	47
171	Nonadiabatic dynamics and electronic energy relaxation of Cl(2P) atoms in solid Ar. <i>Journal of Chemical Physics</i> , <b>1996</b> , 105, 4626-4635	3.9	47

170	Electronic structure of the two isomers of the anionic form of p-coumaric acid chromophore. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 034310	3.9	46
169	Using the charge-stabilization technique in the double ionization potential equation-of-motion calculations with dianion references. <i>Journal of Chemical Physics</i> , <b>2011</b> , 135, 084109	3.9	46
168	A Combined Experimental and Theoretical Study on the Formation of Interstellar Propylene Oxide (CH <sub>3</sub> CHCH <sub>2</sub> O) A Chiral Molecule. <i>Astrophysical Journal</i> , <b>2018</b> , 860, 108	4.7	45
167	Characterizing metastable states beyond energies and lifetimes: Dyson orbitals and transition dipole moments. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 054113	3.9	45
166	Intra- and Intermolecular Singlet Fission in Covalently Linked Dimers. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 19070-19077	3.8	45
165	Turning On and Off Photoinduced Electron Transfer in Fluorescent Proteins by $\pi$ -Stacking, Halide Binding, and Tyr145 Mutations. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 4807-17	16.4	44
164	Effective fragment potential method in Q-CHEM: a guide for users and developers. <i>Journal of Computational Chemistry</i> , <b>2013</b> , 34, 1060-70	3.5	44
163	Same but Different: Dipole-Stabilized Shape Resonances in CuF(-) and AgF(.). <i>Journal of Physical Chemistry Letters</i> , <b>2015</b> , 6, 2786-93	6.4	43
162	The effect of pi-stacking and H-bonding on ionization energies of a nucleobase: uracil dimer cation. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 1303-11	3.6	43
161	Quantum Chemical Benchmark Studies of the Electronic Properties of the Green Fluorescent Protein Chromophore: 2. Cis-Trans Isomerization in Water. <i>Journal of Chemical Theory and Computation</i> , <b>2009</b> , 5, 1907-14	6.4	42
160	Conical and glancing Jahn-Teller intersections in the cyclic trinitrogen cation. <i>Journal of Chemical Physics</i> , <b>2006</b> , 124, 224309	3.9	41
159	Singlet Fission in Perylenediimide Dimers. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 25753-25763	3.8	41
158	Quantifying charge resonance and multiexciton character in coupled chromophores by charge and spin cumulant analysis. <i>Journal of Chemical Physics</i> , <b>2015</b> , 142, 224104	3.9	40
157	Electronic states of the benzene dimer: a simple case of complexity. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 653-62	2.8	40
156	The effect of substituents on electronic states ordering in meta-xylylene diradicals: qualitative insights from quantitative studies. <i>Journal of Chemical Physics</i> , <b>2005</b> , 123, 104304	3.9	40
155	From orbitals to observables and back. <i>Journal of Chemical Physics</i> , <b>2020</b> , 153, 080901	3.9	40
154	A VUV Photoionization and Ab Initio Determination of the Ionization Energy of a Gas-Phase Sugar (Deoxyribose). <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 97-101	6.4	38
153	The effect of microhydration on ionization energies of thymine. <i>Faraday Discussions</i> , <b>2011</b> , 150, 313-30; discussion 391-418	3.6	38

152	Complex Absorbing Potential Equation-of-Motion Coupled-Cluster Method Yields Smooth and Internally Consistent Potential Energy Surfaces and Lifetimes for Molecular Resonances. <i>Journal of Physical Chemistry Letters</i> , <b>2014</b> , 5, 3078-85	6.4	37
151	Singlet-triplet energy gaps and the degree of diradical character in binuclear copper molecular magnets characterized by spin-flip density functional theory. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 13127-13144	3.6	36
150	Insight into the common mechanism of the chromophore formation in the red fluorescent proteins: the elusive blue intermediate revealed. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 2807-14	16.4	36
149	Quantum Chemistry Calculations Provide Support to the Mechanism of the Light-Induced Structural Changes in the Flavin-Binding Photoreceptor Proteins. <i>Journal of Chemical Theory and Computation</i> , <b>2010</b> , 6, 2293-302	6.4	36
148	The Role of excited-state topology in three-body dissociation of sym-triazine. <i>Science</i> , <b>2008</b> , 321, 826-30	33.3	36
147	Photodissociation of HCl adsorbed on the surface of an Ar <sub>12</sub> cluster: Nonadiabatic molecular dynamics simulations. <i>Journal of Chemical Physics</i> , <b>1999</b> , 110, 11047-11053	3.9	36
146	The Quantum Chemistry of Open-Shell Species. <i>Reviews in Computational Chemistry</i> , <b>2017</b> , 151-224		35
145	Four Bases Score a Run: Ab Initio Calculations Quantify a Cooperative Effect of H-Bonding and $\pi$ -Stacking on the Ionization Energy of Adenine in the AATT Tetramer. <i>Journal of Physical Chemistry Letters</i> , <b>2012</b> , 3, 2726-32	6.4	35
144	Photodissociation, electronic relaxation and recombination of HCl in Ar <sub>n</sub> (HCl) clusters Non-adiabatic molecular dynamics simulations. <i>Faraday Discussions</i> , <b>1997</b> , 108, 243-254	3.6	35
143	New algorithms for iterative matrix-free eigensolvers in quantum chemistry. <i>Journal of Computational Chemistry</i> , <b>2015</b> , 36, 273-84	3.5	34
142	Degree of initial hole localization/delocalization in ionized water clusters. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 4423-9	2.8	34
141	General framework for calculating spin-orbit couplings using spinless one-particle density matrices: Theory and application to the equation-of-motion coupled-cluster wave functions. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 034106	3.9	33
140	Proton transfer in nucleobases is mediated by water. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 6789-97	2.8	32
139	Photodissociation dynamics of formaldehyde initiated at the T1/S0 minimum energy crossing configurations. <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 13267-70	2.8	32
138	Coupled-cluster based approach for core-level states in condensed phase: Theory and application to different protonated forms of aqueous glycine. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 014107	3.9	31
137	Molecular Modeling Clarifies the Mechanism of Chromophore Maturation in the Green Fluorescent Protein. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 10239-10249	16.4	31
136	On the photodetachment from the green fluorescent protein chromophore. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 11815-22	2.8	31
135	The effect of oxidation on the electronic structure of the green fluorescent protein chromophore. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 115104	3.9	31



134	The 1,2,3-tridehydrobenzene triradical: 2B or not 2B? The answer is 2A!. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 5071-80	2.8	31
133	A new electronic structure method for doublet states: configuration interaction in the space of ionized 1h and 2h1p determinants. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 124113	3.9	30
132	The theoretical prediction of infrared spectra of trans- and cis-hydroxycarbene calculated using full dimensional ab initio potential energy and dipole moment surfaces. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 204310	3.9	30
131	Performance of the spin-flip and multireference methods for bond breaking in hydrocarbons: a benchmark study. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 13264-71	2.8	30
130	Characterizing Bonding Patterns in Diradicals and Triradicals by Density-Based Wave Function Analysis: A Uniform Approach. <i>Journal of Chemical Theory and Computation</i> , <b>2018</b> , 14, 638-648	6.4	29
129	Ligand influence on the electronic spectra of monocationic copper-bipyridine complexes. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 31938-46	3.6	29
128	The photoelectron spectrum of elusive cyclic-N3 and characterization of the potential energy surface and vibrational states of the ion. <i>Journal of Chemical Physics</i> , <b>2006</b> , 125, 084306	3.9	29
127	Spectroscopy, polarization and nonadiabatic dynamics of electronically excited Ba(Ar) <sub>n</sub> clusters: Theory and experiment. <i>Journal of Chemical Physics</i> , <b>1996</b> , 104, 3651-3663	3.9	29
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