

Leticia Gonzalez

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

346
papers

9,708
citations

50
h-index

81
g-index

374
ext. papers

10,984
ext. citations

5.2
avg, IF

6.72
L-index

#	Paper	IF	Citations
346	Deciphering the reaction dynamics underlying optimal control laser fields. <i>Science</i> , 2003 , 299, 536-9	33.3	363
345	SHARC: ab Initio Molecular Dynamics with Surface Hopping in the Adiabatic Representation Including Arbitrary Couplings. <i>Journal of Chemical Theory and Computation</i> , 2011 , 7, 1253-8	6.4	329
344	OpenMolcas: From Source Code to Insight. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 5925-5964	3.64	310
343	Progress and challenges in the calculation of electronic excited states. <i>ChemPhysChem</i> , 2012 , 13, 28-51	3.2	300
342	A general method to describe intersystem crossing dynamics in trajectory surface hopping. <i>International Journal of Quantum Chemistry</i> , 2015 , 115, 1215-1231	2.1	178
341	Nonadiabatic dynamics: The SHARC approach. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2018 , 8, e1370	7.9	158
340	Photochemical fate: the first step determines efficiency of H ₂ formation with a supramolecular photocatalyst. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3981-4	16.4	150
339	The IPEA dilemma in CASPT2. <i>Chemical Science</i> , 2017 , 8, 1482-1499	9.4	134
338	Femtosecond Intersystem Crossing in the DNA Nucleobase Cytosine. <i>Journal of Physical Chemistry Letters</i> , 2012 , 3, 3090-5	6.4	134
337	Phenyl-1H-[1,2,3]triazoles as New Cyclometalating Ligands for Iridium(III) Complexes. <i>Organometallics</i> , 2009 , 28, 5478-5488	3.8	134
336	High level ab initio and density functional theory studies on methanol-water dimers and cyclic methanol(water) ₂ trimer. <i>Journal of Chemical Physics</i> , 1998 , 109, 139-150	3.9	122
335	High-level ab initio versus DFT calculations on (H ₂ O) ₂ and H ₂ O ₂ ·H ₂ O complexes as prototypes of multiple hydrogen bond systems 1997 , 18, 1124-1135		119
334	Cooperative effects in water trimers. The performance of density functional approaches. <i>Computational and Theoretical Chemistry</i> , 1996 , 371, 1-10		117
333	The origin of efficient triplet state population in sulfur-substituted nucleobases. <i>Nature Communications</i> , 2016 , 7, 13077	17.4	110
332	A heteroleptic bis(tridentate) ruthenium(II) complex of a click-derived abnormal carbene pincer ligand with potential for photosensitizer application. <i>Chemistry - A European Journal</i> , 2011 , 17, 5494-8	4.8	108
331	Efficient and Flexible Computation of Many-Electron Wave Function Overlaps. <i>Journal of Chemical Theory and Computation</i> , 2016 , 12, 1207-19	6.4	100
330	Intersystem Crossing Pathways in the Noncanonical Nucleobase 2-Thiouracil: A Time-Dependent Picture. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 1978-83	6.4	97

329	Machine learning enables long time scale molecular photodynamics simulations. <i>Chemical Science</i> , 2019 , 10, 8100-8107	9.4	96
328	Very strong hydrogen bonds in neutral molecules: The phosphinic acid dimers. <i>Journal of Chemical Physics</i> , 1998 , 109, 2685-2693	3.9	92
327	Selective preparation of enantiomers by laser pulses: quantum model simulation for H ₂ POSH. <i>Chemical Physics Letters</i> , 1999 , 306, 1-8	2.5	89
326	An Asymmetric Redox Arylation: Chirality Transfer from Sulfur to Carbon through a Sulfonium [3,3]-Sigmatropic Rearrangement. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 2212-2215	16.4	88
325	Analysis and characterization of coordination compounds by resonance Raman spectroscopy. <i>Coordination Chemistry Reviews</i> , 2012 , 256, 1479-1508	23.2	88
324	Density functional theory study on ethanol dimers and cyclic ethanol trimers. <i>Journal of Chemical Physics</i> , 1999 , 111, 3855-3861	3.9	88
323	Chemo- and Stereoselective Transition-Metal-Free Amination of Amides with Azides. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8348-51	16.4	87
322	High-Level ab Initio Calculations on the Intramolecular Hydrogen Bond in Thiomalonaldehyde. <i>Journal of Physical Chemistry A</i> , 1997 , 101, 9710-9719	2.8	84
321	Quantitative wave function analysis for excited states of transition metal complexes. <i>Coordination Chemistry Reviews</i> , 2018 , 361, 74-97	23.2	81
320	Trajectory Surface-Hopping Dynamics Including Intersystem Crossing in [Ru(bpy)]. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3840-3845	6.4	81
319	Ultrafast intersystem crossing dynamics in uracil unravelled by ab initio molecular dynamics. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 24423-36	3.6	80
318	Singlet and triplet excited-state dynamics study of the keto and enol tautomers of cytosine. <i>ChemPhysChem</i> , 2013 , 14, 2920-31	3.2	75
317	A time-dependent picture of the ultrafast deactivation of keto-cytosine including three-state conical intersections. <i>ChemPhysChem</i> , 2010 , 11, 3617-24	3.2	74
316	Communication: GAIMS--Generalized Ab Initio Multiple Spawning for both internal conversion and intersystem crossing processes. <i>Journal of Chemical Physics</i> , 2016 , 144, 101102	3.9	74
315	Structure-Property Relationship of Red- and Green-Emitting Iridium(III) Complexes with Respect to Their Temperature and Oxygen Sensitivity. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 4875-4883	2.3	73
314	Metal-free intermolecular formal cycloadditions enable an orthogonal access to nitrogen heterocycles. <i>Nature Communications</i> , 2016 , 7, 10914	17.4	72
313	Benzophenone Ultrafast Triplet Population: Revisiting the Kinetic Model by Surface-Hopping Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 622-6	6.4	71
312	Analysis and control of laser induced fragmentation processes in CpMn(CO) ₃ . <i>Chemical Physics</i> , 2001 , 267, 247-260	2.3	70

311	An ab initio mechanism for efficient population of triplet states in cytotoxic sulfur substituted DNA bases: the case of 6-thioguanine. <i>Chemical Communications</i> , 2012 , 48, 2134-6	5.8	66
310	Electronic delocalization, charge transfer and hypochromism in the UV absorption spectrum of polyadenine unravelled by multiscale computations and quantitative wavefunction analysis. <i>Chemical Science</i> , 2017 , 8, 5682-5691	9.4	61
309	4-Methoxy-1,3-thiazole based donor-acceptor dyes: Characterization, X-ray structure, DFT calculations and test as sensitizers for DSSC. <i>Dyes and Pigments</i> , 2012 , 94, 512-524	4.6	60
308	Ruthenium(II) photosensitizers of tridentate click-derived cyclometalating ligands: a joint experimental and computational study. <i>Chemistry - A European Journal</i> , 2012 , 18, 4010-25	4.8	60
307	Real-time tracking of phytochrome's orientational changes during Pr photoisomerization. <i>Journal of the American Chemical Society</i> , 2012 , 134, 1408-11	16.4	59
306	Electronic and structural elements that regulate the excited-state dynamics in purine nucleobase derivatives. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4368-81	16.4	58
305	Non-adiabatic and intersystem crossing dynamics in SO ₂ . II. The role of triplet states in the bound state dynamics studied by surface-hopping simulations. <i>Journal of Chemical Physics</i> , 2014 , 140, 204302	3.9	58
304	N-heterocyclic donor- and acceptor-type ligands based on 2-(1H-[1,2,3]triazol-4-yl)pyridines and their ruthenium(II) complexes. <i>Journal of Organic Chemistry</i> , 2010 , 75, 4025-38	4.2	56
303	Highly efficient surface hopping dynamics using a linear vibronic coupling model. <i>Physical Chemistry Chemical Physics</i> , 2018 , 21, 57-69	3.6	55
302	A Static Picture of the Relaxation and Intersystem Crossing Mechanisms of Photoexcited 2-Thiouracil. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 9524-33	2.8	55
301	Spectroscopy of Ru(II) polypyridyl complexes used as intercalators in DNA: Towards a theoretical study of the light switch effect. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007 , 190, 310-320	4.7	55
300	Ultrafast photoinduced dissipative hydrogen switching dynamics in thioacetylacetone. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 1249-1257	3.6	55
299	Molecular Photochemistry: Recent Developments in Theory. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 16832-16846	16.4	55
298	Nonadiabatic ab initio molecular dynamics including spin-orbit coupling and laser fields. <i>Faraday Discussions</i> , 2011 , 153, 261-73; discussion 293-319	3.6	54
297	Theoretical spectroscopy and photodynamics of a ruthenium nitrosyl complex. <i>Inorganic Chemistry</i> , 2014 , 53, 6415-26	5.1	50
296	Internal conversion and intersystem crossing pathways in UV excited, isolated uracils and their implications in prebiotic chemistry. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 20168-76	3.6	50
295	Orbital entanglement and CASSCF analysis of the Ru-NO bond in a Ruthenium nitrosyl complex. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 14383-92	3.6	49
294	RASPT2/RASSCF vs Range-Separated/Hybrid DFT Methods: Assessing the Excited States of a Ru(II)bipyridyl Complex. <i>Journal of Chemical Theory and Computation</i> , 2012 , 8, 203-13	6.4	49

293	Protonation effects on the resonance Raman properties of a novel (terpyridine)Ru(4H-imidazole) complex: an experimental and theoretical case study. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 15580-8	3.6	49
292	Using computational chemistry to design Ru photosensitizers with directional charge transfer. <i>Coordination Chemistry Reviews</i> , 2015 , 304-305, 146-165	23.2	48
291	Thymine relaxation after UV irradiation: the role of tautomerization and pi-sigma* states. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 3927-34	3.6	48
290	Cyclobutane Thymine Photodimerization Mechanism Revealed by Nonadiabatic Molecular Dynamics. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15911-15916	16.4	48
289	Separation of enantiomers by ultraviolet laser pulses in H ₂ POSH: π pulses versus adiabatic transitions. <i>Journal of Chemical Physics</i> , 2001 , 115, 2519-2529	3.9	46
288	Quantum control of molecular handedness in a randomly oriented racemic mixture using three polarization components of electric fields. <i>Journal of Chemical Physics</i> , 2002 , 116, 8799-8802	3.9	46
287	Substituent Effects on the Strength of the Intramolecular Hydrogen Bond of Thiomalonaldehyde. <i>Journal of Organic Chemistry</i> , 1999 , 64, 2314-2321	4.2	46
286	Enhancing intersystem crossing in phenothiazinium dyes by intercalation into DNA. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4375-8	16.4	45
285	From a Racemate to a Pure Enantiomer by Laser Pulses: Quantum Model Simulations for H(2)POSH This work was supported by the DFG (project Ma 515/18-1) and the JSPS.. <i>Angewandte Chemie - International Edition</i> , 2000 , 39, 4586-4588	16.4	45
284	Ground- and Excited-State Surfaces for the [2+2]-Photocycloaddition of α,β -Enones to Alkenes. <i>Journal of the American Chemical Society</i> , 2000 , 122, 5866-5876	16.4	44
283	2-Thiouracil intersystem crossing photodynamics studied by wavelength-dependent photoelectron and transient absorption spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 19756-19766	3.6	43
282	Simulation of the resonance Raman intensities of a ruthenium-palladium photocatalyst by time dependent density functional theory. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14812-21	3.6	43
281	Analytical gradients of complete active space self-consistent field energies using Cholesky decomposition: geometry optimization and spin-state energetics of a ruthenium nitrosyl complex. <i>Journal of Chemical Physics</i> , 2014 , 140, 174103	3.9	42
280	Nuclear magnetic resonance and ab initio studies of small complexes formed between water and pyridine derivatives in solid and liquid phases. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 6084-93	2.8	42
279	A Vanadium(III) Complex with Blue and NIR-II Spin-Flip Luminescence in Solution. <i>Journal of the American Chemical Society</i> , 2020 , 142, 7947-7955	16.4	41
278	Photochemisches Schicksal: Der erste Schritt bestimmt die Effizienz der H ₂ -Bildung mit einem supramolekularen Photokatalysator. <i>Angewandte Chemie</i> , 2010 , 122, 4073-4076	3.6	41
277	A CASSCF/CASPT2 and TD-DFT Study of the Low-Lying Excited States of β -CpMn(CO) ₃ . <i>Journal of Physical Chemistry A</i> , 2001 , 105, 184-189	2.8	41
276	Quantum ignition of intramolecular rotation by means of IR + UV laser pulses. <i>Chemical Physics Letters</i> , 2004 , 386, 248-253	2.5	40

275	Synthesis and Catalytic Reactivity of Bis(alkylzinc)-hydride-di(2-pyridylmethyl)amides. <i>Organometallics</i> , 2010 , 29, 3098-3108	3.8	38
274	Control of molecular handedness using pump-dump laser pulses. <i>Journal of Chemical Physics</i> , 2002 , 116, 2433-2438	3.9	38
273	Molecular dynamics simulations of binding modes between methylene blue and DNA with alternating GC and AT sequences. <i>Biochemistry</i> , 2014 , 53, 2391-412	3.2	37
272	Excitation of nucleobases from a computational perspective II: dynamics. <i>Topics in Current Chemistry</i> , 2015 , 355, 99-153		37
271	Mixed quantum-classical dynamics in the adiabatic representation to simulate molecules driven by strong laser pulses. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 2800-7	2.8	37
270	Design of acidochromic dyes for facile preparation of pH sensor layers. <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 392, 1411-8	4.4	37
269	Photoelectron spectra of 2-thiouracil, 4-thiouracil, and 2,4-dithiouracil. <i>Journal of Chemical Physics</i> , 2016 , 144, 074303	3.9	37
268	Excited-states of a rhenium carbonyl diimine complex: solvation models, spin-orbit coupling, and vibrational sampling effects. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27240-27250	3.6	36
267	Computational Photophysics in the Presence of an Environment. <i>Annual Review of Physical Chemistry</i> , 2018 , 69, 473-497	15.7	36
266	Structural Control of Photoinduced Dynamics in 4H-Imidazole-Ruthenium Dyes. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25664-25676	3.8	36
265	Direct Regioselective Synthesis of Tetrazolium Salts by Activation of Secondary Amides under Mild Conditions. <i>Organic Letters</i> , 2017 , 19, 2662-2665	6.2	35
264	Mechanism of Ultrafast Intersystem Crossing in 2-Nitronaphthalene. <i>Chemistry - A European Journal</i> , 2018 , 24, 5379-5387	4.8	35
263	Exploring wavepacket dynamics behind strong-field momentum-dependent photodissociation in CH(2)BrI(+). <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 14203-16	3.6	35
262	Strong Influence of Decoherence Corrections and Momentum Rescaling in Surface Hopping Dynamics of Transition Metal Complexes. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 5031-5045	6.4	34
261	Unified Approach to the Chemoselective α -Functionalization of Amides with Heteroatom Nucleophiles. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18437-18443	16.4	34
260	Assessing Excited State Energy Gaps with Time-Dependent Density Functional Theory on Ru(II) Complexes. <i>Journal of Chemical Theory and Computation</i> , 2017 , 13, 4123-4145	6.4	33
259	An Assessment of RASSCF and TDDFT Energies and Gradients on an Organic Donor-Acceptor Dye Assisted by Resonance Raman Spectroscopy. <i>Journal of Chemical Theory and Computation</i> , 2013 , 9, 543-544	6.4	33
258	Chiral Molecular Motors Ignited by Femtosecond Pump-Dump Laser Pulses. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 4916-4921	3.4	33

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256	Asymmetrische Redoxyrierung: Chiralitätstransfer von Schwefel zu Kohlenstoff durch sigmatrope Sulfonium-[3,3]-Umlagerung. <i>Angewandte Chemie</i> , 2017 , 129, 2248-2252	3.6	32
255	Detailed Wave Function Analysis for Multireference Methods: Implementation in the Molcas Program Package and Applications to Tetracene. <i>Journal of Chemical Theory and Computation</i> , 2017 , 13, 5343-5353	6.4	32
254	The chromophore structure of the cyanobacterial phytochrome Cph1 as predicted by time-dependent density functional theory. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 16253-6	3.4	32
253	Metal-Free meta-Selective Alkyne Oxyarylation with Pyridine N-Oxides: Rapid Assembly of Metyrapone Analogues. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 15424-15428	16.4	30
252	Beyond the molecular orbital conception of electronically excited states through the quantum theory of atoms in molecules. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 9249-58	3.6	30
251	A Novel Ru(II) Polypyridine Black Dye Investigated by Resonance Raman Spectroscopy and TDDFT Calculations. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 19968-19977	3.8	30
250	A Silicon-Heteroaromatic System as Photosensitizer for Light-Driven Hydrogen Production by Hydrogenase Mimics. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 4466-4472	2.3	30
249	Structure and bonding of Ag(I)-DNA base complexes and Ag(I)-adenine-cytosine mispairs: an ab initio study. <i>Journal of Computational Chemistry</i> , 2007 , 28, 2299-308	3.5	30
248	Mechanistic Pathways in Amide Activation: Flexible Synthesis of Oxazoles and Imidazoles. <i>Organic Letters</i> , 2017 , 19, 3815-3818	6.2	29
247	A theoretical anharmonic study of the infrared absorption spectra of FHF ⁻ , FDF ⁻ , OHF ⁻ , and ODF ⁻ anions. <i>Journal of Chemical Physics</i> , 2006 , 124, 174308	3.9	29
246	Divergent ynamide reactivity in the presence of azides - an experimental and computational study. <i>Chemical Science</i> , 2016 , 7, 6032-6040	9.4	28
245	Ultrafast irreversible phototautomerization of o-nitrobenzaldehyde. <i>Chemical Communications</i> , 2011 , 47, 6383-5	5.8	28
244	Quantum model simulations of symmetry breaking and control of bond selective dissociation of FHF ⁻ using IR+UV laser pulses. <i>Journal of Chemical Physics</i> , 2004 , 120, 8002-14	3.9	28
243	The DNA nucleobase thymine in motion Intersystem crossing simulated with surface hopping. <i>Chemical Physics</i> , 2017 , 482, 9-15	2.3	27
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241	Time-Dependent DFT on Phytochrome Chromophores: A Way to the Right Conformer. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 796-801	6.4	27
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- 239 Active and silent chromophore isoforms for phytochrome Pr photoisomerization: An alternative evolutionary strategy to optimize photoreaction quantum yields. *Structural Dynamics*, **2014**, 1, 014701 3.2 26
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- 237 Direct Observation of Temperature-Dependent Excited-State Equilibrium in Dinuclear Ruthenium Terpyridine Complexes Bearing Electron-Poor Bridging Ligands. *Journal of Physical Chemistry C*, **2011**, 115, 12677-12688 3.8 26
- 236 Asymmetric laser excitation in chiral molecules: quantum simulations for a proposed experiment. *Chemical Physics Letters*, **2003**, 372, 242-248 2.5 26
- 235 Spontaneous self-ionization in the gas phase: a theoretical prediction. *ChemPhysChem*, **2001**, 2, 465-7 3.2 26
- 234 Ab initio molecular dynamics of thiophene: the interplay of internal conversion and intersystem crossing. *Physical Chemistry Chemical Physics*, **2017**, 19, 25662-25670 3.6 25
- 233 Spectroscopic Properties of Azobenzene-Based pH Indicator Dyes: A Quantum Chemical and Experimental Study. *Journal of Chemical Theory and Computation*, **2011**, 7, 1062-72 6.4 25
- 232 A two-dimensional wavepacket study of the nonadiabatic dynamics of CH₂BrCl. *Journal of Physical Chemistry A*, **2008**, 112, 5573-81 2.8 25
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- 230 Photochemistry of CH₂BrCl: An ab Initio and Dynamical Study. *Journal of Physical Chemistry A*, **2002**, 106, 11150-11161 2.8 25
- 229 Ab initio molecular dynamics relaxation and intersystem crossing mechanisms of 5-azacytosine. *Physical Chemistry Chemical Physics*, **2017**, 19, 5888-5894 3.6 24
- 228 Perturbational treatment of spin-orbit coupling for generally applicable high-level multi-reference methods. *Journal of Chemical Physics*, **2014**, 141, 074105 3.9 24
- 227 Arylamine-Modified Thiazoles as Donor-Acceptor Dyes: Quantum Chemical Evaluation of the Charge-Transfer Process and Testing as Ligands in Ruthenium(II) Complexes. *European Journal of Organic Chemistry*, **2012**, 2012, 5231-5247 3.2 24
- 226 Selective preparation of enantiomers by laser pulses: From optimal control to specific pump and dump transitions. *Journal of Chemical Physics*, **2000**, 113, 11134-11142 3.9 24
- 225 Sequential Proton-Coupled Electron Transfer Mediates Excited-State Deactivation of a Eumelanin Building Block. *Journal of Physical Chemistry Letters*, **2017**, 8, 1004-1008 6.4 23
- 224 Surface hopping dynamics including intersystem crossing using the algebraic diagrammatic construction method. *Journal of Chemical Physics*, **2017**, 147, 184109 3.9 23
- 223 Linkage Photoisomerization Mechanism in a Photochromic Ruthenium Nitrosyl Complex: New Insights from an MS-CASPT2 Study. *Journal of Chemical Theory and Computation*, **2017**, 13, 6120-6130 6.4 23
- 222 Mechanism elucidation of the cis-trans isomerization of an azole ruthenium-nitrosyl complex and its osmium counterpart. *Inorganic Chemistry*, **2013**, 52, 6260-72 5.1 23

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220	Annulated dinuclear metal-free and Zn(II) phthalocyanines: photophysical studies and quantum mechanical calculations. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 8466-76	3.4	23
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217	The generality of the GUGA MRCI approach in COLUMBUS for treating complex quantum chemistry. <i>Journal of Chemical Physics</i> , 2020 , 152, 134110	3.9	22
216	Revealing the position of the substrate in nickel superoxide dismutase: a model study. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 2946-50	16.4	22
215	Biologically inspired molecular machines driven by light. Optimal control of a unidirectional rotor. <i>New Journal of Physics</i> , 2010 , 12, 075007	2.9	22
214	Ultrafast non-adiabatic laser-induced photodissociation dynamics of CpMn(CO) ₃ . An ab initio quantum chemical and dynamical study. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 87-96	3.6	22
213	Surface Hopping within an Exciton Picture. An Electrostatic Embedding Scheme. <i>Journal of Chemical Theory and Computation</i> , 2018 , 14, 6139-6148	6.4	22
212	Interstate vibronic coupling constants between electronic excited states for complex molecules. <i>Journal of Chemical Physics</i> , 2018 , 148, 124119	3.9	21
211	Revealing Deactivation Pathways Hidden in Time-Resolved Photoelectron Spectra. <i>Scientific Reports</i> , 2016 , 6, 35522	4.9	21
210	Novel Molecular-Dynamics-Based Protocols for Phase Space Sampling in Complex Systems. <i>Frontiers in Chemistry</i> , 2018 , 6, 495	5	21
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208	Unusual mechanisms in Claisen rearrangements: an ionic fragmentation leading to a -selective rearrangement. <i>Chemical Science</i> , 2018 , 9, 4124-4131	9.4	20
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206	N-site de-methylation in pyrimidine bases as studied by low energy electrons and ab initio calculations. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 11431-40	3.6	20
205	Mechanistic insight into light-driven molecular rotors: a conformational search in chiral overcrowded alkenes by a pseudo-random approach. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 12279-89	3.6	20
204	Breaking the strong and weak bonds of OHF using few-cycle IR + UV laser pulses. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 4071-4073	3.6	20

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202	Solvatochromic Effects on the Absorption Spectrum of 2-Thiocytosine. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 5187-5196	3.4	19
201	The Influence of the Electronic Structure Method on Intersystem Crossing Dynamics. The Case of Thioformaldehyde. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 3470-3480	6.4	19
200	Four Plus Four State Degeneracies in the OD Photolysis of Aromatic Endoperoxides. <i>Journal of Physical Chemistry Letters</i> , 2010 , 1, 1036-1040	6.4	19
199	Laser control of conical intersections: Quantum model simulations for the averaged loss-gain strategies of fast electronic deactivation in 1,1-difluoroethylene. <i>Journal of Chemical Physics</i> , 2009 , 131, 104302	3.9	19
198	A MS-CASPT2 study of the low-lying electronic excited states of CH ₂ BrCl. <i>Chemical Physics Letters</i> , 2001 , 350, 155-164	2.5	19
197	Simulated and Experimental Time-Resolved Photoelectron Spectra of the Intersystem Crossing Dynamics in 2-Thiouracil. <i>Molecules</i> , 2018 , 23,	4.8	19
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