## Christel M Marian

# List of Publications by Year in Descending Order

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214 8,471 47 82 g-index

227 9,440 3.8 6.69 ext. papers ext. citations avg, IF L-index

#	Paper	IF	Citations
214	Linear Carbene Pyridine Copper Complexes with Sterically Demanding ,&Bis(trityl)imidazolylidene: Syntheses, Molecular Structures, and Photophysical Properties. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 18529-18	<i>5</i> 43	7
213	Large Inverted Singlet-Triplet Energy Gaps Are Not Always Favorable for Triplet Harvesting: Vibronic Coupling Drives the (Reverse) Intersystem Crossing in Heptazine Derivatives. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 10044-10051	2.8	5
212	Lowest Triplet and Singlet States in -Methylacridone and ,@Dimethylquinacridone: Theory and Experiment. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 8777-8790	2.8	1
211	Understanding and Controlling Intersystem Crossing in Molecules. <i>Annual Review of Physical Chemistry</i> , <b>2021</b> , 72, 617-640	15.7	36
210	Acridones: Strongly Emissive HIGHrISC Fluorophores. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 570	Ͻ <u>ϐ-</u> ≨70	92
209	Intersystem crossing processes in the 2CzPN emitter: a DFT/MRCI study including vibrational spin-orbit interactions. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 3668-3678	3.6	2
208	Internal conversion of singlet and triplet states employing numerical DFT/MRCI derivative couplings: Implementation, tests, and application to xanthone. <i>Journal of Chemical Physics</i> , <b>2021</b> , 155, 014102	3.9	3
207	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 17285-17292	3.6	6
206	Persistent Room Temperature Phosphorescence from Triarylboranes: A Combined Experimental and Theoretical Study. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 17137-17144	16.4	34
205	Theoretical spectroscopy in the early days of digital computing han homage to Sigrid D. Peyerimhoff. <i>Molecular Physics</i> , <b>2020</b> , 118, e1744755	1.7	
204	Visible Light-Induced Homolytic Cleavage of Perfluoroalkyl Iodides Mediated by Phosphines. <i>Molecules</i> , <b>2020</b> , 25,	4.8	6
203	On the photophysical properties of Ir, Pt, and Pd (phenylpyrazole) (phenyldipyrrin) complexes. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 3217-3233	3.6	9
202	Understanding the luminescence properties of Cu(i) complexes: a quantum chemical perusal. <i>Physical Chemistry Chemical Physics</i> , <b>2020</b> , 22, 23530-23544	3.6	15
201	Cyclic (Amino)(aryl)carbenes Enter the Field of Chromophore Ligands: Expanded	-8949	73
200	DFT/MRCI-R2018 study of the photophysics of the zinc(ii) tripyrrindione radical: non-Kasha emission?. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 19857-19867	3.6	5
199	Electroabsorption Spectroscopy as a Tool for Probing Charge Transfer and State Mixing in Thermally Activated Delayed Fluorescence Emitters. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 320	5 <del>-3</del> 211	
198	Cu-F Interactions between Cationic Linear N-Heterocyclic Carbene Copper(I) Pyridine Complexes and Their Counterions Greatly Enhance Blue Luminescence Efficiency. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5433-5445	5.1	37

## (2017-2019)

197	Computer-Aided Design of Luminescent Linear N-Heterocyclic Carbene Copper(I) Pyridine Complexes. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 5446-5456	5.1	22
196	Structure-Emission Property Relationships in Cyclometalated Pt(II)	5.1	17
195	The UVA response of enolic dibenzoylmethane: beyond the static approach. <i>Photochemical and Photobiological Sciences</i> , <b>2019</b> , 18, 1324-1332	4.2	4
194	Vibronic and spin-orbit coupling effects in the absorption spectra of pyrazine: A quantum chemical approach. <i>Journal of the Serbian Chemical Society</i> , <b>2019</b> , 84, 819-836	0.9	4
193	The simulation of X-ray absorption spectra from ground and excited electronic states using core-valence separated DFT/MRCI. <i>Journal of Chemical Physics</i> , <b>2019</b> , 151, 144104	3.9	9
192	QM/MM Photodynamics of Retinal in the Channelrhodopsin Chimera C1C2 with OM3/MRCI. <i>ChemPhotoChem</i> , <b>2019</b> , 3, 107-116	3.3	7
191	The DFT/MRCI method. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2019, 9, e1394	7.9	61
190	Spin-Vibronic Mechanism for Intersystem Crossing. <i>Chemical Reviews</i> , <b>2018</b> , 118, 6975-7025	68.1	377
189	Exciton energy transfer in organic light emitting diodes with thermally activated delayed fluorescence dopants. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 6860-6868	7.1	8
188	Intersystem Crossing Processes in TADF Emitters <b>2018</b> , 257-296		4
188	Intersystem Crossing Processes in TADF Emitters 2018, 257-296  On the performance of DFT/MRCI Hamiltonians for electronic excitations in transition metal complexes: The role of the damping function. <i>Journal of Chemical Physics</i> , 2018, 149, 164106	3.9	24
	On the performance of DFT/MRCI Hamiltonians for electronic excitations in transition metal	3.9	
187	On the performance of DFT/MRCI Hamiltonians for electronic excitations in transition metal complexes: The role of the damping function. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 164106  Solvent mediated catalysis and proton-shuttling in the formation of 3-methylphthalide from a		
187 186	On the performance of DFT/MRCI Hamiltonians for electronic excitations in transition metal complexes: The role of the damping function. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 164106  Solvent mediated catalysis and proton-shuttling in the formation of 3-methylphthalide from a ketene intermediate. <i>Chemical Physics</i> , <b>2018</b> , 515, 750-756  On the performance of DFT/MRCI-R and MR-MP2 in spinBrbit coupling calculations on diatomics	2.3	24
187 186 185	On the performance of DFT/MRCI Hamiltonians for electronic excitations in transition metal complexes: The role of the damping function. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 164106  Solvent mediated catalysis and proton-shuttling in the formation of 3-methylphthalide from a ketene intermediate. <i>Chemical Physics</i> , <b>2018</b> , 515, 750-756  On the performance of DFT/MRCI-R and MR-MP2 in spinBrbit coupling calculations on diatomics and polyatomic organic molecules. <i>Molecular Physics</i> , <b>2017</b> , 115, 109-137  Nonadiabatic photodynamics and UV absorption spectrum of all-trans-octatetraene. <i>Physical</i>	2.3	24
187 186 185	On the performance of DFT/MRCI Hamiltonians for electronic excitations in transition metal complexes: The role of the damping function. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 164106  Solvent mediated catalysis and proton-shuttling in the formation of 3-methylphthalide from a ketene intermediate. <i>Chemical Physics</i> , <b>2018</b> , 515, 750-756  On the performance of DFT/MRCI-R and MR-MP2 in spinBrbit coupling calculations on diatomics and polyatomic organic molecules. <i>Molecular Physics</i> , <b>2017</b> , 115, 109-137  Nonadiabatic photodynamics and UV absorption spectrum of all-trans-octatetraene. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 3937-3947  Modulation of the L/L Mixing in an Indole Derivative: A Position-Dependent Study Using 4-, 5-, and 6-Fluoroindole. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 1597-1606	2.3 1.7 3.6	<ul><li>24</li><li>14</li><li>5</li></ul>
187 186 185 184	On the performance of DFT/MRCI Hamiltonians for electronic excitations in transition metal complexes: The role of the damping function. <i>Journal of Chemical Physics</i> , <b>2018</b> , 149, 164106  Solvent mediated catalysis and proton-shuttling in the formation of 3-methylphthalide from a ketene intermediate. <i>Chemical Physics</i> , <b>2018</b> , 515, 750-756  On the performance of DFT/MRCI-R and MR-MP2 in spinBrbit coupling calculations on diatomics and polyatomic organic molecules. <i>Molecular Physics</i> , <b>2017</b> , 115, 109-137  Nonadiabatic photodynamics and UV absorption spectrum of all-trans-octatetraene. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 3937-3947  Modulation of the L/L Mixing in an Indole Derivative: A Position-Dependent Study Using 4-, 5-, and 6-Fluoroindole. <i>Journal of Physical Chemistry A</i> , <b>2017</b> , 121, 1597-1606  A theoretical study of low-lying singlet and triplet excited states of quinazoline, quinoxaline and	2.3 1.7 3.6 2.8	<ul><li>24</li><li>14</li><li>5</li><li>11</li></ul>

179	Dual Photochemical Reaction Pathway in Flavin-Based Photoreceptor LOV Domain: A Combined Quantum-Mechanics/Molecular-Mechanics Investigation. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 958	33 <del>:9</del> 59	6 <sup>11</sup>
178	Climbing up the Ladder: Intermediate Triplet States Promote the Reverse Intersystem Crossing in the Efficient TADF Emitter ACRSA. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 21145-21153	3.8	44
177	Protonation-State-Driven Photophysics in Phenothiazinium Dyes: Intersystem Crossing and Singlet-Oxygen Production. <i>ChemPhotoChem</i> , <b>2017</b> , 1, 459-469	3.3	4
176	DFT/MRCI Hamiltonian for odd and even numbers of electrons. <i>Journal of Chemical Physics</i> , <b>2017</b> , 147, 194104	3.9	13
175	Rotationally Assisted Spin-State Inversion in Carbene-Metal-Amides Is an Artifact. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 5643-5647	6.4	65
174	Charge-transfer contributions to the excitonic coupling matrix element in BODIPY-based energy transfer cassettes. <i>Chemical Physics</i> , <b>2017</b> , 482, 265-276	2.3	13
173	Phosphorescence or Thermally Activated Delayed Fluorescence? Intersystem Crossing and Radiative Rate Constants of a Three-Coordinate Copper(I) Complex Determined by Quantum-Chemical Methods. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 7508-16	5.1	47
172	Failure of the IDA in FRET Systems at Close Inter-Dye Distances Is Moderated by Frequent Low (2) Values. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 8845-62	3.4	12
171	Singlet Fission in Quinoidal Oligothiophenes. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 13901-13910	3.8	22
170	Solvent tunable photophysics of acridone: a quantum chemical perspective. <i>RSC Advances</i> , <b>2016</b> , 6, 185	39 <del>/</del> 185	53 <i>]</i>
170 169	Solvent tunable photophysics of acridone: a quantum chemical perspective. <i>RSC Advances</i> , <b>2016</b> , 6, 185  Thioxanthone in apolar solvents: ultrafast internal conversion precedes fast intersystem crossing. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 6637-47	39 <i>:-</i> 7 85 3.6	53 <i>7</i> 41
ĺ	Thioxanthone in apolar solvents: ultrafast internal conversion precedes fast intersystem crossing.		
169	Thioxanthone in apolar solvents: ultrafast internal conversion precedes fast intersystem crossing. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 6637-47  Mechanism of the Triplet-to-Singlet Upconversion in the Assistant Dopant ACRXTN. <i>Journal of</i>	3.6	41
169 168	Thioxanthone in apolar solvents: ultrafast internal conversion precedes fast intersystem crossing. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 6637-47  Mechanism of the Triplet-to-Singlet Upconversion in the Assistant Dopant ACRXTN. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 3715-3721	3.6 3.8	41
169 168 167	Thioxanthone in apolar solvents: ultrafast internal conversion precedes fast intersystem crossing. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 6637-47  Mechanism of the Triplet-to-Singlet Upconversion in the Assistant Dopant ACRXTN. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 3715-3721  Redesign of the DFT/MRCI Hamiltonian. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 034104  Ab Initio Benchmark Study of Nonadiabatic S1-S2 Photodynamics of cis- and trans-Hexatriene.	3.6 3.8 3.9	41 111 81
169 168 167	Thioxanthone in apolar solvents: ultrafast internal conversion precedes fast intersystem crossing. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 6637-47  Mechanism of the Triplet-to-Singlet Upconversion in the Assistant Dopant ACRXTN. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 3715-3721  Redesign of the DFT/MRCI Hamiltonian. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 034104  Ab Initio Benchmark Study of Nonadiabatic S1-S2 Photodynamics of cis- and trans-Hexatriene. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 6541-56  Quantum-Chemical Studies on Excitation Energy Transfer Processes in BODIPY-Based	3.6 3.8 3.9 2.8	41 111 81 6
169 168 167 166	Thioxanthone in apolar solvents: ultrafast internal conversion precedes fast intersystem crossing. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 6637-47  Mechanism of the Triplet-to-Singlet Upconversion in the Assistant Dopant ACRXTN. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 3715-3721  Redesign of the DFT/MRCI Hamiltonian. <i>Journal of Chemical Physics</i> , <b>2016</b> , 144, 034104  Ab Initio Benchmark Study of Nonadiabatic S1-S2 Photodynamics of cis- and trans-Hexatriene. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 6541-56  Quantum-Chemical Studies on Excitation Energy Transfer Processes in BODIPY-Based Donor-Acceptor Systems. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 4316-27  Electron-Vibrational Coupling and Fluorescence Spectra of Tetra-, Penta-, and Hexacoordinated	3.6 3.8 3.9 2.8 6.4	41 111 81 6

### (2012-2015)

161	investigated by anion photoelectron spectroscopy and theoretical calculations. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 23573-81	3.6	15
160	On the photophysics of four heteroleptic iridium(III) phenylpyridyl complexes investigated by relativistic multi-configuration methods. <i>Molecular Physics</i> , <b>2015</b> , 1-16	1.7	12
159	Intersystem crossing rates of S1 state keto-amino cytosine at low excess energy. <i>Journal of Chemical Physics</i> , <b>2015</b> , 143, 234301	3.9	26
158	Carotenoids and light-harvesting: from DFT/MRCI to the Tamm-Dancoff approximation. <i>Journal of Chemical Theory and Computation</i> , <b>2015</b> , 11, 655-66	6.4	37
157	Time-dependent approach to spin-vibronic coupling: implementation and assessment. <i>Journal of Chemical Physics</i> , <b>2014</b> , 140, 114104	3.9	57
156	Photophysics of flavin derivatives absorbing in the blue-green region: thioflavins as potential cofactors of photoswitches. <i>Journal of Physical Chemistry B</i> , <b>2014</b> , 118, 1743-53	3.4	16
155	On the molecular mechanism of non-radiative decay of nitrobenzene and the unforeseen challenges this simple molecule holds for electronic structure theory. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 12393-406	3.6	56
154	Thermal and solvent effects on the triplet formation in cinnoline. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 4740-51	3.6	38
153	Reverse intersystem crossing in rhodamines by near-infrared laser excitation. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 6985-90	2.8	11
152	Chimeric behavior of excited thioxanthone in protic solvents: II. Theory. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 11708-17	2.8	29
151	Chimeric behavior of excited thioxanthone in protic solvents: I. Experiments. <i>Journal of Physical Chemistry A</i> , <b>2014</b> , 118, 11696-707	2.8	35
150	On the photophysics of carotenoids: a multireference DFT study of peridinin. <i>Journal of Physical Chemistry B</i> , <b>2013</b> , 117, 13808-15	3.4	45
149	Spectroscopic and theoretical study on electronically modified chromophores in LOV domains: 8-bromo- and 8-trifluoromethyl-substituted flavins. <i>ChemBioChem</i> , <b>2013</b> , 14, 645-54	3.8	15
148	Photophysics of xanthone: a quantum chemical perusal. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 3935	5- <u>48</u>	30
147	Ultrafast deactivation mechanism of the excited singlet in the light-induced spin crossover of [Fe(2,2&pipyridine)3]2+. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 17541-51	4.8	123
146	In search of the dark state of 5-methyl-2-hydroxypyrimidine using a numerical DFT/MRCI gradient. <i>Molecular Physics</i> , <b>2012</b> , 110, 2429-2438	1.7	5
145	A theoretical study of thionine: spin-orbit coupling and intersystem crossing. <i>Photochemical and Photobiological Sciences</i> , <b>2012</b> , 11, 1860-7	4.2	22
144	A quantum chemical investigation of the electronic structure of thionine. <i>Photochemical and Photobiological Sciences</i> , <b>2012</b> , 11, 397-408	4.2	31

143	SpinBrbit coupling and intersystem crossing in molecules. <i>Wiley Interdisciplinary Reviews:</i> Computational Molecular Science, <b>2012</b> , 2, 187-203	7.9	471
142	Time-dependent approaches for the calculation of intersystem crossing rates. <i>Journal of Chemical Physics</i> , <b>2011</b> , 134, 154105	3.9	106
141	On the photophysics of 1,6-diphenyl-1,3,5-hexatriene isomers and rotamers. <i>ChemPhysChem</i> , <b>2011</b> , 12, 1872-9	3.2	7
140	T1, T2 state energies and electron affinities of small #diphenylpolyenes investigated by anion photodetachment photoelectron spectroscopy and excited-state theory. <i>ChemPhysChem</i> , <b>2011</b> , 12, 19	948 <del>-:5</del> 6	2
139	Throwing light on dark states of Ebligothiophenes of chain lengths 2 to 6: radical anion photoelectron spectroscopy and excited-state theory. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 10350-63	3.6	33
138	Isolated and solvated thioxanthone: a photophysical study. <i>Journal of Physical Chemistry A</i> , <b>2011</b> , 115, 8589-96	2.8	26
137	Accurate calculations of the ground state and low-lying excited states of the (RbBa)+molecular ion: a proposed system for ultracold reactive collisions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2010</b> , 43, 055101	1.3	14
136	Diphenylhexatrienes as photoprotective agents for ultrasensitive fluorescence detection. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 4099-108	2.8	17
135	The resolution of the identity approximation for calculations of spin-spin contribution to zero-field splitting parameters. <i>Journal of Chemical Physics</i> , <b>2010</b> , 132, 144111	3.9	44
134	Thioxanthone: on the shape of the first absorption band. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 9320-7	3.6	12
133	Ab initio investigation of the methylation and hydration effects on the electronic spectra of uracil and thymine. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 4915-23	3.6	48
132	Overruling the energy gap law: fast triplet formation in 6-azauracil. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 15665-71	3.6	29
131	QM/MM calculation of solvent effects on absorption spectra of guanine. <i>Journal of Computational Chemistry</i> , <b>2010</b> , 31, 90-106	3.5	57
130	Theoretical study of the low-lying excited states of Etarotene isomers by a multireference configuration interaction method. <i>Chemical Physics</i> , <b>2010</b> , 373, 98-103	2.3	29
129	Excited state relaxation dynamics and electronic properties of a quinoid carotenoid. <i>Chemical Physics</i> , <b>2010</b> , 373, 137-144	2.3	5
128	Electronic coherence provides a direct proof for energy-level crossing in photoexcited lutein and beta-carotene. <i>Physical Review Letters</i> , <b>2009</b> , 103, 108302	7.4	55
127	Calculating electron paramagnetic resonance g-matrices for triplet state molecules from multireference spin-orbit configuration interaction wave functions. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 154106	3.9	14
126	Spin-forbidden transitions in flavone. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2009</b> , 73, 1-5	4.4	11

## (2008-2009)

125	Transient spectroscopy of UV excited flavone: TripletEriplet absorption and comparison with theory. <i>Chemical Physics Letters</i> , <b>2009</b> , 473, 167-170	2.5	4	
124	The photophysics of alloxazine: a quantum chemical investigation in vacuum and solution. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 1655-66	4.2	30	
123	Four-component relativistic coupled cluster and configuration interaction calculations on the ground and excited states of the RbYb molecule. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 12607-14	2.8	34	
122	Intersystem crossing and characterization of dark states in the pyrimidine nucleobases uracil, thymine, and 1-methylthymine. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 11809-16	2.8	96	
121	Influence of the LOV domain on low-lying excited states of flavin: a combined quantum-mechanics/molecular-mechanics investigation. <i>Journal of Physical Chemistry B</i> , <b>2009</b> , 113, 156	1 <del>0</del> 248	46	
120	Photophysical properties of structurally and electronically modified flavin derivatives determined by spectroscopy and theoretical calculations. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 9365-75	2.8	55	
119	Photophysics of phenalenone: quantum-mechanical investigation of singlet-triplet intersystem crossing. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 1688-96	3.6	25	
118	Parallel multireference configuration interaction calculations on mini-beta-carotenes and beta-carotene. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 044708	3.9	97	
117	Spectroscopic properties of phenolic and quinoid carotenoids: a combined theoretical and experimental study. <i>Photochemical and Photobiological Sciences</i> , <b>2009</b> , 8, 270-8	4.2	18	
116	UV excitation and radiationless deactivation of imidazole. <i>Journal of Chemical Physics</i> , <b>2009</b> , 130, 03430	153.9	57	
115	Performance of the Density Functional Theory/Multireference Configuration Interaction Method on Electronic Excitation of Extended Bystems. <i>Journal of Chemical Theory and Computation</i> , <b>2008</b> , 4, 1501-15	6.4	152	
114	Electron spin-spin coupling from multireference configuration interaction wave functions. <i>Journal of Chemical Physics</i> , <b>2008</b> , 129, 044102	3.9	24	
113	Ultrafast dynamics in thiophene investigated by femtosecond pump probe photoelectron spectroscopy and theory. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 393-404	3.6	42	
112	AlScore chemically diverse empirical scoring function employing quantum chemical binding energies of hydrogen-bonded complexes. <i>Journal of Chemical Information and Modeling</i> , <b>2008</b> , 48, 1492	-510	37	
111	The photophysics of 7H-adenine: A quantum chemical investigation including spinBrbit effects. <i>Chemical Physics</i> , <b>2008</b> , 347, 346-359	2.3	22	
110	Singlet and triplet excited states and intersystem crossing in free-base porphyrin: TDDFT and DFT/MRCI study. <i>ChemPhysChem</i> , <b>2008</b> , 9, 282-92	3.2	97	
109	Stepwise conversion of a single source precursor into crystalline AlN by transamination reaction. Journal of Solid State Chemistry, 2008, 181, 530-538	3.3	5	
108	The photophysics of flavins: What makes the difference between gas phase and aqueous solution?. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 198, 221-231	4.7	88	

107	SpinBrbit coupling in keto-porphyrins. Chemical Physics Letters, 2008, 458, 190-194	2.5	7
106	Effects of protonation and deprotonation on the excitation energies of lumiflavin. <i>Chemical Physics Letters</i> , <b>2008</b> , 463, 400-404	2.5	26
105	The g-tensor of AlO: Principal problems and first approaches. <i>Chemical Physics</i> , <b>2008</b> , 343, 258-269	2.3	22
104	Deactivation via ring opening: A quantum chemical study of the excited states of furan and comparison to thiophene. <i>Chemical Physics</i> , <b>2008</b> , 349, 269-277	2.3	53
103	Excited states of thiophene: ring opening as deactivation mechanism. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 380-92	3.6	78
102	Theoretical investigation of the energies and geometries of photoexcited uranyl(VI) ion: a comparison between wave-function theory and density functional theory. <i>Journal of Chemical Physics</i> , <b>2007</b> , 127, 214302	3.9	63
101	Intersystem crossing driven by vibronic spin-orbit coupling: a case study on psoralen. <i>Physical Chemistry Chemical Physics</i> , <b>2007</b> , 9, 5209-21	3.6	103
100	The guanine tautomer puzzle: quantum chemical investigation of ground and excited states. <i>Journal of Physical Chemistry A</i> , <b>2007</b> , 111, 1545-53	2.8	162
99	Quantum chemical investigation of hydrogen-bond strengths and partition into donor and acceptor contributions. <i>Journal of Computational Chemistry</i> , <b>2007</b> , 28, 1503-1515	3.5	22
98	Reverse Monte Carlo modelling of amorphous Si3B3N7using scattering and15N NMR data. <i>Journal of Physics Condensed Matter</i> , <b>2007</b> , 19, 056201	1.8	2
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