Angelo Giussani

List of Publications by Year
in descending order

30 papers	2,632 citations	516710 16 h-index	477307 29 g-index
34 all docs	34 docs citations	34 times ranked	3098 citing authors

#	Article	IF	Citations
1	On the Importance of Ligand-Centered Excited States in the Emission of Cyclometalated Ir(III) Complexes. Inorganic Chemistry, 2021, 60, 13222-13232.	4.0	7
2	Building a Functionalizable, Potent Chemiluminescent Agent: A Rational Design Study on 6,8-Substituted Luminol Derivatives. Journal of Organic Chemistry, 2021, 86, 11388-11398.	3.2	14
3	On the chemiluminescence emission of luminol: protic and aprotic solvents and encapsulation to improve the properties in aqueous solution. Physical Chemistry Chemical Physics, 2020, 22, 27617-27625.	2.8	6
4	Regiochemical memory in the adiabatic photolysis of thymine-derived oxetanes. A combined ultrafast spectroscopic and CASSCF/CASPT2 computational study. Physical Chemistry Chemical Physics, 2020, 22, 20037-20042.	2.8	6
5	How important is roaming in the photodegradation of nitrobenzene?. Physical Chemistry Chemical Physics, 2020, 22, 15945-15952.	2.8	12
6	On the Intrinsically Low Quantum Yields of Pyrimidine DNA Photodamages: Evaluating the Reactivity of the Corresponding Minimum Energy Crossing Points. Journal of Physical Chemistry Letters, 2020, 11, 4984-4989.	4.6	8
7	Induced Night Vision by Singlet-Oxygen-Mediated Activation of Rhodopsin. Journal of Physical Chemistry Letters, 2019, 10, 7133-7140.	4.6	14
8	OpenMolcas: From Source Code to Insight. Journal of Chemical Theory and Computation, 2019, 15, 5925-5964.	5.3	661
9	Pyrene, a Test Case for Deep-Ultraviolet Molecular Photophysics. Journal of Physical Chemistry Letters, 2019, 10, 3481-3487.	4.6	35
10	Similar chemical structures, dissimilar triplet quantum yields: a CASPT2 model rationalizing the trend of triplet quantum yields in nitroaromatic systems. Physical Chemistry Chemical Physics, 2019, 21, 10514-10522.	2.8	10
11	Azole-containing cationic bis-cyclometallated iridium(<scp>iii</scp>) isocyanide complexes: a theoretical insight into the emission energy and emission efficiency. Dalton Transactions, 2019, 48, 9725-9733.	3.3	5
12	Molecular Basis of the Chemiluminescence Mechanism of Luminol. Chemistry - A European Journal, 2019, 25, 5202-5213.	3.3	45
13	Light induced damage and repair in nucleic acids and proteins: general discussion. Faraday Discussions, 2018, 207, 389-408.	3.2	0
14	Two-dimensional electronic spectroscopy as a tool for tracking molecular conformations in DNA/RNA aggregates. Faraday Discussions, 2018, 207, 233-250.	3.2	14
15	Photoinduced formation mechanism of the thymineâ€“thymine (6â€“4) adduct in DNA; a QM(CASPT2//CASSCF):MM(AMBER) study. Faraday Discussions, 2018, 207, 375-387.	3.2	20
16	Insights into the Complex Photophysics and Photochemistry of the Simplest Nitroaromatic Compound: A CASPT2//CASSCF Study on Nitrobenzene. Journal of Chemical Theory and Computation, 2017, 13, 2777-2788.	5.3	34
17	On the Simulation of Twoâ€dimensional Electronic Spectroscopy of Indoleâ€containing Peptides. Photochemistry and Photobiology, 2017, 93, 1368-1380.	2.5	13
18	<scp>Molcas</scp> 8: New capabilities for multiconfigurational quantum chemical calculations across the periodic table. Journal of Computational Chemistry, 2016, 37, 506-541.	3.3	1,317

#	Article	IF	Citations
19	Spectroscopic fingerprints of DNA/RNA pyrimidine nucleobases in third-order nonlinear electronic spectra. Theoretical Chemistry Accounts, 2016, 135, 1.	1.4	28
20	Multiple Decay Mechanisms and 2Dâ€UV Spectroscopic Fingerprints of Singlet Excited Solvated Adenineâ€Uracil Monophosphate. Chemistry - A European Journal, 2016, 22, 7497-7507.	3.3	31
21	Spectral lineshapes in nonlinear electronic spectroscopy. Physical Chemistry Chemical Physics, 2015, 17, 30925-30936.	2.8	39
22	Probing deactivation pathways of DNA nucleobases by two-dimensional electronic spectroscopy: first principles simulations. Faraday Discussions, 2015, 177, 345-362.	3.2	29
23	Modeling the high-energy electronic state manifold of adenine: Calibration for nonlinear electronic spectroscopy. Journal of Chemical Physics, 2015, 142, 212443.	3.0	44
24	Toward the Understanding of the Photophysics and Photochemistry of 1-Nitronaphthalene under Solar Radiation: The First Theoretical Evidence of a Photodegradation Intramolecular Rearrangement Mechanism Involving the Triplet States. Journal of Chemical Theory and Computation, 2014, 10, 3987-3995.	5.3	24
25	Relaxation Mechanisms of 5-Azacytosine. Journal of Chemical Theory and Computation, 2014, 10, 3915-3924.	5.3	24
26	Excitation of Nucleobases from a Computational Perspective I: Reaction Paths. Topics in Current Chemistry, 2013, 355, 57-97.	4.0	66
27	Photoinduced Formation Mechanism of the Thymineâ€“Thymine (6â€“4) Adduct. Journal of Physical Chemistry B, 2013, 117, 1999-2004.	2.6	46
28	Combined Theoretical and Experimental Study of the Photophysics of Asulam. Journal of Physical Chemistry A, 2013, 117, 2125-2137.	2.5	11
29	Essential on the Photophysics and Photochemistry of the Indole Chromophore by Using a Totally Unconstrained Theoretical Approach. Journal of Chemical Theory and Computation, 2011, 7, 4088-4096.	5.3	51
30	Photophysics of 1-Aminonaphthalene: A Theoretical and Time-Resolved Experimental Study. Journal of Physical Chemistry A, 2009, 113, 13509-13518.	2.5	14