

# Brennan Ashwood

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1251695/publications.pdf>

Version: 2024-02-01

14  
papers

385  
citations

933447

10  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

410  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemical and Photodynamical Properties of Sulfur-Substituted Nucleic Acid Bases,. <i>Photochemistry and Photobiology</i> , 2019, 95, 33-58.	2.5	89
2	2-Thiouracil intersystem crossing photodynamics studied by wavelength-dependent photoelectron and transient absorption spectroscopies. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 19756-19766.	2.8	58
3	Excited-State Dynamics of the Thiopurine Prodrug 6-Thioguanine: Can N9-Glycosylation Affect Its Phototoxic Activity?. <i>Molecules</i> , 2017, 22, 379.	3.8	43
4	Unintended Consequences of Expanding the Genetic Alphabet. <i>Journal of the American Chemical Society</i> , 2016, 138, 11457-11460.	13.7	36
5	Solvatochromic Effects on the Absorption Spectrum of 2-Thiocytosine. <i>Journal of Physical Chemistry B</i> , 2017, 121, 5187-5196.	2.6	31
6	Determining Sequence-Dependent DNA Oligonucleotide Hybridization and Dehybridization Mechanisms Using Coarse-Grained Molecular Simulation, Markov State Models, and Infrared Spectroscopy. <i>Journal of the American Chemical Society</i> , 2021, 143, 17395-17411.	13.7	30
7	Can a Six-Letter Alphabet Increase the Likelihood of Photochemical Assault to the Genetic Code?. <i>Chemistry - A European Journal</i> , 2016, 22, 16648-16656.	3.3	17
8	Oxidized Derivatives of 5-Methylcytosine Alter the Stability and Dehybridization Dynamics of Duplex DNA. <i>Journal of Physical Chemistry B</i> , 2020, 124, 1160-1174.	2.6	16
9	Photochemical Reactivity of dTPT3: A Crucial Nucleobase Derivative in the Development of Semisynthetic Organisms. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2387-2392.	4.6	12
10	Excited-State Dynamics in O <sup>6</sup> -Methylguanosine: Impact of O <sup>6</sup> -Methylation on the Relaxation Mechanism of Guanine Monomers. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4380-4385.	4.6	11
11	Ultrafast Excited-State Dynamics in Cyclometalated Ir(III) Complexes Coordinated with Perylenebisimide and Its I <sup>-</sup> -Radical Anion Ligands. <i>Journal of Physical Chemistry C</i> , 2017, 121, 21184-21198.	3.1	11
12	5-Carboxylcytosine and Cytosine Protonation Distinctly Alter the Stability and Dehybridization Dynamics of the DNA Duplex. <i>Journal of Physical Chemistry B</i> , 2020, 124, 627-640.	2.6	11
13	Temperature-Jump 2D IR Spectroscopy with Intensity-Modulated CW Optical Heating. <i>Journal of Physical Chemistry B</i> , 2020, 124, 8665-8677.	2.6	11
14	Photochemical relaxation pathways of S <sup>6</sup> -methylthioinosine and O <sup>6</sup> -methylguanosine in solution. <i>Faraday Discussions</i> , 2018, 207, 351-374.	3.2	9