

# David M Close

## List of Publications by Year in descending order

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25  
papers

648  
citations

687363

13  
h-index

580821

25  
g-index

25  
all docs

25  
docs citations

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times ranked

586  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ab Initio Ionization Energy Thresholds of DNA and RNA Bases in Gas Phase and in Aqueous Solution. <i>Journal of Physical Chemistry A</i> , 2004, 108, 6373-6377.	2.5	119
2	Calculation of the Ionization Potentials of the DNA Bases in Aqueous Medium. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10376-10379.	2.5	107
3	Calculated Vertical Ionization Energies of the Common $\hat{\pm}$ -Amino Acids in the Gas Phase and in Solution. <i>Journal of Physical Chemistry A</i> , 2011, 115, 2900-2912.	2.5	67
4	Oxidative Damage to Cytosine:â€™ Implication for the Study of Radiation-Induced Damage to DNA. <i>Journal of Physical Chemistry B</i> , 2003, 107, 864-867.	2.6	48
5	Ionization Energies of the Nucleotides. <i>Journal of Physical Chemistry A</i> , 2008, 112, 11207-11212.	2.5	35
6	The Influence of Microhydration on the Ionization Energy Thresholds of Uracil and Thymine. <i>Journal of Physical Chemistry A</i> , 2005, 109, 9279-9283.	2.5	34
7	Influence of Microhydration on the Ionization Energy Thresholds of Thymine:Â Comparisons of Theoretical Calculations with Experimental Values. <i>Journal of Physical Chemistry A</i> , 2006, 110, 7485-7490.	2.5	32
8	Calculated p <i>K</i> of the DNA Base Radical Ions. <i>Journal of Physical Chemistry A</i> , 2013, 117, 473-480.	2.5	27
9	Calculation of Standard Reduction Potentials of Amino Acid Radicals and the Effects of Water and Incorporation into Peptides. <i>Journal of Physical Chemistry A</i> , 2018, 122, 439-445.	2.5	24
10	EPR and ENDOR Studies of X-Irradiated Single Crystals of Deoxycytidine 5â€™-Phosphate Monohydrate at 10 and 77 K. <i>Journal of Physical Chemistry A</i> , 1998, 102, 6737-6744.	2.5	22
11	Ionization Energy Thresholds of Microhydrated Adenine and Its Tautomers. <i>Journal of Physical Chemistry A</i> , 2008, 112, 12702-12706.	2.5	20
12	DNA Damage by the Direct Effect of Ionizing Radiation: Products Produced by Two Sequential One-Electron Oxidations. <i>Journal of Physical Chemistry A</i> , 2013, 117, 12608-12615.	2.5	18
13	Radiation chemistry of purines in the solid state: ESR and ENDOR studies of xâ€™irradiated xanthosine dihydrate single crystals. <i>Journal of Chemical Physics</i> , 1983, 79, 3240-3250.	3.0	16
14	One-electron oxidation of ds(5â€™-GGG-3â€™) and ds(5â€™-G(8OG)G-3â€™) and the nature of hole distribution: a density functional theory (DFT) study. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 5078-5089.	2.8	15
15	One-Electron Oxidation of Individual DNA Bases and DNA Base Stacks. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1860-1867.	2.5	13
16	Electron Transfer in Amino Acid-Nucleic Acid Base Complexes:â€™ EPR, ENDOR, and DFT Study of X-Irradiated N-Formylglycine-Cytosine Complex Crystals. <i>Journal of Physical Chemistry A</i> , 2006, 110, 8653-8662.	2.5	10
17	Calculations of the Energetics of Oxidation of Aqueous Nucleosides and the Effects of Prototropic Equilibria. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4043-4048.	2.5	9
18	Model Calculations of Radiation-Induced Damage in Thymine Derivatives. <i>Structural Chemistry</i> , 2003, 14, 451-454.	2.0	8

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19	One-Electron Oxidation of 2-Deoxyadenosine-5-phosphate: Comparisons of Theoretical Calculations with Experimental Values. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8411-8417.	2.5	7
20	Comprehensive model for X-ray-induced damage in protein crystallography. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 945-957.	2.4	5
21	Model Calculations of Radiation-Induced Damage in 1-Methyluracil:9-Ethyladenine. <i>Structural Chemistry</i> , 2002, 13, 203-209.	2.0	4
22	Low-temperature thermoluminescent behavior of 5-dCMP single crystals. <i>Journal of Chemical Physics</i> , 1982, 76, 2174-2178.	3.0	3
23	Alkyl radical adducts of aromatic N-oxides as hydrogen-abstracting agents: The reactivity of phenazine-N,N-dioxide-methyl radical adduct. <i>Research on Chemical Intermediates</i> , 2006, 32, 625-635.	2.7	2
24	William A. Bernhard (1942-2012). <i>Radiation Research</i> , 2012, 178, 101-103.	1.5	2
25	Model Calculations of Radiation Induced Damage in DNA Constituents Using Density Functional Theory. <i>Computational Chemistry - Reviews of Current Trends</i> , 2003, , 209-247.	0.4	1