

James P Hall

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

981
citations

516710

16
h-index

552781

26
g-index

31
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docs citations

31
times ranked

981
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal structures of λ -[Ru(phen) ₂ dppz] ²⁺ with oligonucleotides containing TA/TA and AT/AT steps show two intercalation modes. <i>Nature Chemistry</i> , 2012, 4, 621-628.	13.6	182
2	Structure determination of an intercalating ruthenium dipyridophenazine complex which kinks DNA by semiintercalation of a tetraazaphenanthrene ligand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 17610-17614.	7.1	122
3	The importance of loop length on the stability of i-motif structures. <i>Chemical Communications</i> , 2015, 51, 5630-5632.	4.1	98
4	X-ray Crystal Structure of λ -[Ru(phen) ₂ dppz] ²⁺ with d(ATGCAT) ₂ Shows Enantiomer Orientations and Water Ordering. <i>Journal of the American Chemical Society</i> , 2013, 135, 12652-12659.	13.7	83
5	Monitoring one-electron photo-oxidation of guanine in DNA crystals using ultrafast infrared spectroscopy. <i>Nature Chemistry</i> , 2015, 7, 961-967.	13.6	59
6	Direct observation by time-resolved infrared spectroscopy of the bright and the dark excited states of the [Ru(phen) ₂ (dppz)] ²⁺ light-switch compound in solution and when bound to DNA. <i>Chemical Science</i> , 2016, 7, 3075-3084.	7.4	52
7	Structural Studies Reveal Enantiospecific Recognition of a DNA G-Quadruplex by a Ruthenium Polypyridyl Complex. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 9881-9885.	13.8	40
8	Delta chirality ruthenium λ -light-switch TM complexes can bind in the minor groove of DNA with five different binding modes. <i>Nucleic Acids Research</i> , 2016, 44, 9472-9482.	14.5	39
9	Reversal of a Single Base-Pair Step Controls Guanine Photo-Oxidation by an Intercalating Ruthenium(II) Dipyridophenazine Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8364-8368.	13.8	32
10	Enantiomeric Conformation Controls Rate and Yield of Photoinduced Electron Transfer in DNA Sensitized by Ru(II) Dipyridophenazine Complexes. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 734-738.	4.6	29
11	Ruthenium Polypyridyl Complex Bound to a Unimolecular Chair-Form G-Quadruplex. <i>Journal of the American Chemical Society</i> , 2022, 144, 5956-5964.	13.7	28
12	The Structural Effect of Methyl Substitution on the Binding of Polypyridyl Ru ^{II} -dppz Complexes to DNA. <i>Organometallics</i> , 2015, 34, 2481-2486.	2.3	25
13	Controlled Dehydration of a Ruthenium Complex-DNA Crystal Induces Reversible DNA Kinking. <i>Journal of the American Chemical Society</i> , 2014, 136, 17505-17512.	13.7	21
14	Guanine Can Direct Binding Specificity of Ru ^{II} -dipyridophenazine (dppz) Complexes to DNA through Steric Effects. <i>Chemistry - A European Journal</i> , 2017, 23, 4981-4985.	3.3	20
15	Inosine Can Increase DNA's Susceptibility to Photo-oxidation by a Ru(II) Complex due to Structural Change in the Minor Groove. <i>Chemistry - A European Journal</i> , 2017, 23, 10344-10351.	3.3	18
16	Three thymine/adenine binding modes of the ruthenium complex λ -[Ru(TAP) ₂ (dppz)] ²⁺ to the G-quadruplex forming sequence d(TAGGGTT) shown by X-ray crystallography. <i>Chemical Communications</i> , 2019, 55, 9116-9119.	4.1	17
17	X-ray Crystal Structures Show DNA Stacking Advantage of Terminal Nitrile Substitution in Ru ^{II} -dppz Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 15859-15867.	3.3	16
18	An LNA-amide modification that enhances the cell uptake and activity of phosphorothioate exon-skipping oligonucleotides. <i>Nature Communications</i> , 2022, 13, .	12.8	16

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19	Stabilization of Long-Looped i-Motif DNA by Polypyridyl Ruthenium Complexes. <i>Frontiers in Chemistry</i> , 2019, 7, 744.	3.6	13
20	Monitoring guanine photo-oxidation by enantiomerically resolved Ru(II) dipyridophenazine complexes using inosine-substituted oligonucleotides. <i>Faraday Discussions</i> , 2015, 185, 455-469.	3.2	12
21	Preferred orientation in an angled intercalation site of a chloro-substituted $[Ru(TAP)_2(dppz)]^{2+}$ complex bound to d(TCGGCGCCGA) ₂ . <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120525.	3.4	11
22	Solid-phase synthesis and structural characterisation of phosphoroselenolate-modified DNA: a backbone analogue which does not impose conformational bias and facilitates SAD X-ray crystallography. <i>Chemical Science</i> , 2019, 10, 10948-10957.	7.4	10
23	The influence of loops on the binding of the $[Ru(phen)_2(dppz)]^{2+}$ light-switch compound to i-motif DNA structures revealed by time-resolved spectroscopy. <i>Chemical Communications</i> , 2020, 56, 9703-9706.	4.1	8
24	Structural Studies Reveal Enantiospecific Recognition of a DNA G ₄ Quadruplex by a Ruthenium Polypyridyl Complex. <i>Angewandte Chemie</i> , 2019, 131, 9986-9990.	2.0	6
25	Structural Studies of DNA-binding Metal Complexes of Therapeutic Importance. <i>Chemical Biology</i> , 2018, , 198-227.	0.2	6
26	Exploring the Perception of Additional Information Content in 360° 3D VR Video for Teaching and Learning. , 2022, 1, 1-17.		4
27	Blending virtual reality with traditional approaches to encourage engagement with core chemistry concepts relevant to an undergraduate pharmacy curriculum. <i>Pharmacy Education</i> , 0, , 365-374.	0.6	2
28	Frontispiece: Reversal of a Single Base-Pair Step Controls Guanine Photo-Oxidation by an Intercalating Ruthenium(II) Dipyridophenazine Complex. <i>Angewandte Chemie - International Edition</i> , 2015, 54, n/a-n/a.	13.8	0
29	Frontispiz: Reversal of a Single Base-Pair Step Controls Guanine Photo-Oxidation by an Intercalating Ruthenium(II) Dipyridophenazine Complex. <i>Angewandte Chemie</i> , 2015, 127, n/a-n/a.	2.0	0
30	DNA I-motifs: beyond the double helix. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2016, 72, s239-s240.	0.1	0