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Exploring the interaction of ruthenium(II) polypyridyl complexes with DNA using single-molecule techniques

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#	Paper	IF	Citations
83	Gold nanocomposites with rigid fully conjugated heteroditopic ligands shell as nanobuilding blocks for coordination chemistry. <i>Chemical Communications</i> , 2006 , 4183-5	5.8	16
82	Rapid kinetics of protein-nucleic acid interaction is a major component of HIV-1 nucleocapsid protein@nucleic acid chaperone function. <i>Journal of Molecular Biology</i> , 2006 , 363, 867-77	6.5	77
81	Single DNA molecule stretching measures the activity of chemicals that target the HIV-1 nucleocapsid protein. <i>Analytical Biochemistry</i> , 2006 , 358, 159-70	3.1	34
80	Effect of isovector-scalar meson on neutron-star matter in strong magnetic fields. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006 , 32, 47-61	2.9	38
79	Single molecule force spectroscopy of salt-dependent bacteriophage T7 gene 2.5 protein binding to single-stranded DNA. <i>Journal of Biological Chemistry</i> , 2006 , 281, 38689-96	5.4	38
78	Transition on the entropic elasticity of DNA induced by intercalating molecules. <i>Journal of Chemical Physics</i> , 2007 , 127, 105108	3.9	45
77	DNA binding proteins that alter nucleic acid flexibility. 2007,		1
76	HMGB binding to DNA: single and double box motifs. <i>Journal of Molecular Biology</i> , 2007 , 374, 993-1004	6.5	47
75	Mechanisms of DNA binding determined in optical tweezers experiments. <i>Biopolymers</i> , 2007 , 85, 154-68	B2.2	70
74	Quantifying force-dependent and zero-force DNA intercalation by single-molecule stretching. <i>Nature Methods</i> , 2007 , 4, 517-22	21.6	124
73	Studies on cytotoxic and DNA-binding properties of two ruthenium(II) complexes of a substituted phenanthroline ligand. <i>Transition Metal Chemistry</i> , 2008 , 33, 499-503	2.1	11
72	Voltammetric Studies on the Recognition of a Copper Complex to Single- and Double-Stranded DNA and Its Application in Gene Biosensor. <i>Electroanalysis</i> , 2008 , 20, 2096-2101	3	20
71	DNA binding, photocleavage, and topoisomerase inhibition of functionalized ruthenium(II)-polypyridine complexes. <i>Chemistry and Biodiversity</i> , 2008 , 5, 1962-79	2.5	54
70	DNA overstretching in the presence of glyoxal: structural evidence of force-induced DNA melting. <i>Biophysical Journal</i> , 2008 , 95, 1248-55	2.9	66
69	Modulation of T4 gene 32 protein DNA binding activity by the recombination mediator protein UvsY. <i>Journal of Molecular Biology</i> , 2008 , 380, 799-811	6.5	16
68	(Terpyridine)copper(II)-carbon nanohorns: metallo-nanocomplexes for photoinduced charge separation. <i>Journal of the American Chemical Society</i> , 2008 , 130, 4725-31	16.4	49
67	Mechanically manipulating the DNA threading intercalation rate. <i>Journal of the American Chemical Society</i> , 2008 , 130, 3752-3	16.4	34

(2011-2008)

66	Quantifying DNA-protein interactions by single molecule stretching. <i>Methods in Cell Biology</i> , 2008 , 84, 517-40	1.8	2
65	Kinetics and thermodynamics of salt-dependent T7 gene 2.5 protein binding to single- and double-stranded DNA. <i>Nucleic Acids Research</i> , 2008 , 36, 5668-77	20.1	25
64	Mechanism of DNA flexibility enhancement by HMGB proteins. <i>Nucleic Acids Research</i> , 2009 , 37, 1107-1	420.1	42
63	Modeling the entropic structural transition of DNA complexes formed with intercalating drugs. <i>Physical Biology</i> , 2009 , 6, 036013	3	18
62	Optical tweezers experiments resolve distinct modes of DNA-protein binding. <i>Biopolymers</i> , 2009 , 91, 265-82	2.2	45
61	Discrimination of a copper complex to single- and double-stranded DNA as determined by electrochemical kinetics and thermodynamics. <i>Bioelectrochemistry</i> , 2009 , 75, 32-6	5.6	8
60	Label-free electrochemiluminescent aptasensor with attomolar mass detection limits based on a Ru(phen)(3)(2+)-double-strand DNA composite film electrode. <i>Analytical Chemistry</i> , 2009 , 81, 9299-305	7.8	111
59	Colorimetric recognition of DNA intercalators with unmodified gold nanoparticles. <i>Chemical Communications</i> , 2009 , 1658-60	5.8	31
58	A novel fluorescent silver ion biosensor based on nucleic acid molecular "light switch". <i>Journal of Fluorescence</i> , 2010 , 20, 541-9	2.4	10
57	Revisiting the neighbor exclusion model and its applications. <i>Biopolymers</i> , 2010 , 93, 1-7	2.2	10
56	Synthesis, DNA-binding and photocleavage of "light switch" complexes [Ru(bpy)2(pyip)]2+ and [Ru(phen)2(pyip)]2+. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2010 , 77, 522-7	4.4	29
55	Biophysical characterization of DNA binding from single molecule force measurements. <i>Physics of Life Reviews</i> , 2010 , 7, 299-341	2.1	140
54	Torsional sensing of small-molecule binding using magnetic tweezers. <i>Nucleic Acids Research</i> , 2010 , 38, 7122-32	20.1	79
53	DNA binding to an anticancer organo-ruthenium complex. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 14041-7	3.4	35
52	Absence of quenching by [Fe(CN)6]4- is not proof of DNA intercalation. <i>Chemical Communications</i> , 2011 , 47, 1848-50	5.8	21
51	Controllable DNA condensation-release induced by simple azaheterocyclic-based metal complexes. Journal of Physical Chemistry B, 2011 , 115, 13350-4	3.4	16
50	Electrochemical spectroscopic investigations on the interaction of an ytterbium complex with DNA and their analytical applications such as biosensor. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 1117-23	7.9	12
49	Intercalation of Organic Ligands as a Tool to Modify the Properties of DNA. 2011 , 49-76		7

48	Non-intercalative binding mode of bridged binuclear chiral Ru(II) complexes to native duplex DNA. <i>Journal of Inorganic Biochemistry</i> , 2011 , 105, 1569-75	4.2	21
47	Atomic force microscopy study of DNA conformation in the presence of drugs. <i>European Biophysics Journal</i> , 2011 , 40, 59-68	1.9	53
46	DNA intercalating studies of [Ru(bpy)2dmt]2+ with two vacant nitrogen atoms by introducing copper(II) ions. <i>DNA and Cell Biology</i> , 2011 , 30, 329-36	3.6	
45	Challenges in astrophysics (Scientific session of the Physical Sciences Division of the Russian Academy of Sciences, 25 January 2012). <i>Physics-Uspekhi</i> , 2012 , 55, 929-941	2.8	
44	Force spectroscopy reveals the DNA structural dynamics that govern the slow binding of Actinomycin D. <i>Nucleic Acids Research</i> , 2012 , 40, 4925-32	20.1	49
43	Mesoscale DNA structural changes on binding and photoreaction with Ru[(TAP)2PHEHAT]2+. Journal of the American Chemical Society, 2012 , 134, 10214-21	16.4	39
42	AFM Studies on Curcumin Based Zn(II) Complex Molecules for Applications as Anticancer Agents. <i>Molecular Crystals and Liquid Crystals</i> , 2012 , 558, 194-203	0.5	1
41	Synthesis, characterization and X-ray crystal structures of ruthenium polypyridyl and 2-(2?-hydroxyphenyl)-benzoxazole complexes: Reactivity with 1-methylimidazole, purine, glutathione and CT-DNA. <i>Polyhedron</i> , 2013 , 62, 148-157	2.7	5
40	PT-ACRAMTU, a platinum-acridine anticancer agent, lengthens and aggregates, but does not stiffen or soften DNA. <i>Cell Biochemistry and Biophysics</i> , 2013 , 67, 1103-13	3.2	13
39	Noncovalent DNA Binding of Metal Complexes. 2013 , 709-750		2
38	Time-lapse AFM imaging of DNA conformational changes induced by daunorubicin. <i>Nano Letters</i> , 2013 , 13, 5679-84	11.5	25
38		11.5	13
	2013, 13, 5679-84 Pellet fuelling of plasmas with edge localized modes mitigation by resonant magnetic		
37	 2013, 13, 5679-84 Pellet fuelling of plasmas with edge localized modes mitigation by resonant magnetic perturbations in MAST. <i>Plasma Physics and Controlled Fusion</i>, 2013, 55, 025009 Transmission spectra study of sulfate substituted potassium dihydrogen phosphate. <i>Laser Physics</i> 	2	
37	Pellet fuelling of plasmas with edge localized modes mitigation by resonant magnetic perturbations in MAST. <i>Plasma Physics and Controlled Fusion</i> , 2013 , 55, 025009 Transmission spectra study of sulfate substituted potassium dihydrogen phosphate. <i>Laser Physics Letters</i> , 2013 , 10, 066001 Strong DNA deformation required for extremely slow DNA threading intercalation by a binuclear	1.5	13
37 36 35	Pellet fuelling of plasmas with edge localized modes mitigation by resonant magnetic perturbations in MAST. <i>Plasma Physics and Controlled Fusion</i> , 2013 , 55, 025009 Transmission spectra study of sulfate substituted potassium dihydrogen phosphate. <i>Laser Physics Letters</i> , 2013 , 10, 066001 Strong DNA deformation required for extremely slow DNA threading intercalation by a binuclear ruthenium complex. <i>Nucleic Acids Research</i> , 2014 , 42, 11634-41 Magnetic ordered states induced by interparticle magnetostatic interaction in Fe/Au mixed	2 1.5 20.1	13 23
37363534	Pellet fuelling of plasmas with edge localized modes mitigation by resonant magnetic perturbations in MAST. <i>Plasma Physics and Controlled Fusion</i> , 2013 , 55, 025009 Transmission spectra study of sulfate substituted potassium dihydrogen phosphate. <i>Laser Physics Letters</i> , 2013 , 10, 066001 Strong DNA deformation required for extremely slow DNA threading intercalation by a binuclear ruthenium complex. <i>Nucleic Acids Research</i> , 2014 , 42, 11634-41 Magnetic ordered states induced by interparticle magnetostatic interaction in EFe/Au mixed nanoparticle assembly. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 176001 The structure of locally bounded finite-dimensional representations of connected locally compact	2 1.5 20.1 1.8	13 23 5

(2019-2014)

30	DNA molecular recognition of intercalators affects aggregation of a thermoresponsive polymer. <i>Polymer Chemistry</i> , 2014 , 5, 4612-4616	4.9	6
29	Expanding the family of heteroleptic oxidovanadium(IV) compounds with salicylaldehyde semicarbazones and polypyridyl ligands showing anti-Trypanosoma cruzi activity. <i>Journal of Inorganic Biochemistry</i> , 2015 , 147, 116-25	4.2	23
28	A ruthenium dimer complex with a flexible linker slowly threads between DNA bases in two distinct steps. <i>Nucleic Acids Research</i> , 2015 , 43, 8856-67	20.1	14
27	Investigation of the binding modes between AIE-active molecules and dsDNA by single molecule force spectroscopy. <i>Nanoscale</i> , 2015 , 7, 8939-45	7.7	25
26	Performance evaluation of a piezoactuator-based single-stage valve system subjected to high temperature. <i>Smart Materials and Structures</i> , 2015 , 24, 015022	3.4	4
25	DNA visualization in single molecule studies carried out with optical tweezers: Covalent versus non-covalent attachment of fluorophores. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 466, 226-31	3.4	14
24	Extracting physical chemistry from mechanics: a new approach to investigate DNA interactions with drugs and proteins in single molecule experiments. <i>Integrative Biology (United Kingdom)</i> , 2015 , 7, 967-86	₅ 3.7	47
23	Unexpected DNA binding properties with correlated downstream biological applications in mono vs. bis-1,8-naphthalimide Ru(II)-polypyridyl conjugates. <i>Dalton Transactions</i> , 2015 , 44, 16332-44	4.3	31
22	Dissecting the Dynamic Pathways of Stereoselective DNA Threading Intercalation. <i>Biophysical Journal</i> , 2016 , 110, 1255-63	2.9	12
21	Mechanisms of small molecule-DNA interactions probed by single-molecule force spectroscopy. <i>Nucleic Acids Research</i> , 2016 , 44, 3971-88	20.1	94
20	Synthesis, characterisation, cytotoxicity and antibacterial activity of ruthenium(II) and rhodium(III) complexes with sulfur-containing terpyridines. <i>Polyhedron</i> , 2016 , 107, 27-37	2.7	9
19	A biphosphinic ruthenium complex with potent anti-bacterial and anti-cancer activity. <i>New Journal of Chemistry</i> , 2017 , 41, 13085-13095	3.6	18
18	Synthesis, structure, DNA binding and anticancer activity of mixed ligand ruthenium(II) complex. Journal of Molecular Structure, 2018 , 1155, 288-296	3.4	7
17	Reshaping the Energy Landscape Transforms the Mechanism and Binding Kinetics of DNA Threading Intercalation. <i>Biochemistry</i> , 2018 , 57, 614-619	3.2	8
16	Interfering with DNA High-Order Structures using Chiral Ruthenium(II) Complexes. <i>Chemistry - A European Journal</i> , 2018 , 24, 690-698	4.8	8
15	-Heterocyclic Carbene-Platinum Complexes Featuring an Anthracenyl Moiety: Anti-Cancer Activity and DNA Interaction. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	9
14	Flexibility and thermal dynamic stability increase of dsDNA induced by Ru(bpy)dppz based on AFM and HRM technique. <i>BMC Chemistry</i> , 2019 , 13, 68	3.7	1
13	Recent Developments in the Interactions of Classic Intercalated Ruthenium Compounds: [Ru(bpy)日ppz] and [Ru(phen)日ppz] with a DNA Molecule. <i>Molecules</i> , 2019 , 24,	4.8	7

12	Effects of Intercalating Molecules on the Polymer Properties of DNA. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 8572-8582	3.4	
11	Light activation of cyclometalated ruthenium complexes drives towards caspase 3 dependent apoptosis in gastric cancer cells. <i>Journal of Inorganic Biochemistry</i> , 2020 , 208, 111080	4.2	3
10	Molecular structure, DNA binding mode, photophysical properties and recommendations for use of SYBR Gold. <i>Nucleic Acids Research</i> , 2021 , 49, 5143-5158	20.1	6
9	Ratiometric Fluorescence Detection of DNA Based on the Inner Filter Effect of Ru(bpy)(dppx) toward Silicon Nanodots. <i>ACS Omega</i> , 2021 , 6, 857-862	3.9	3
8	Intercalative DNA binding governs fluorescence enhancement of SYBR Gold.		1
7	Metallation-Induced Heterogeneous Dynamics of DNA Revealed by Single-Molecule FRET. <i>Chemistry - A European Journal</i> , 2020 , 26, 4980-4987	4.8	
6	Left vs. Right: Exploring the Effects of Chiral Threading Intercalators using Optical Tweezers <i>Biophysical Journal</i> , 2022 ,	2.9	О
5	New Insights into the Mechanism of Action of the Drug Chloroquine: Direct Interaction with DNA and Cytotoxicity <i>Journal of Physical Chemistry B</i> , 2022 , 126, 3512-3521	3.4	1
4	Optical tweezers for drug discovery. 2022 , 103443		О
3	Single molecule force spectroscopy of DNA-ligand complexes in the entropic regime. 2023 , 135-182		O
2	DNA ligands. 2023 , 23-38		0
1	Bibliography. 2023 , 215-239		O