Specific binding of hoechst 33258 to the d(CGCAAATTTC spectroscopic studies

Journal of Molecular Biology 271, 244-257

DOI: 10.1006/jmbi.1997.1170

Citation Report

#	Article	IF	CITATIONS
1	Energetics of drug–DNA interactions. Biopolymers, 1997, 44, 201-215.	1.2	377
2	Drug—DNA interactions. Current Opinion in Structural Biology, 1998, 8, 314-320.	2.6	280
3	The effects of salt on the TATA binding protein-DNA interaction from a hyperthermophilic archaeon 1 lEdited by I. Tinoco. Journal of Molecular Biology, 1998, 279, 117-125.	2.0	119
4	Electrostatic Contributions to Heat Capacity Changes of DNA-Ligand Binding. Biophysical Journal, 1998, 75, 769-776.	0.2	120
5	Spermine and thermine conjugates of cholic acid condense DNA,but lithocholic acid polyamine conjugates do so more efficiently. Chemical Communications, 1998, , 2035-2036.	2.2	17
6	Sequence-Specific DNA Minor Groove Binders. Design and Synthesis of Netropsin and Distamycin Analogues. Bioconjugate Chemistry, 1998, 9, 513-538.	1.8	255
7	DNA recognition by quinoxaline antibiotics: use of base-modified DNA molecules to investigate determinants of sequence-specific binding of triostin A and TANDEM. Biochemical Journal, 1998, 330, 81-87.	1.7	20
8	Fluorophores., 1999,, 63-93.		20
9	Synthesis of a fluorescent microgonotropen (FMGT-1) and its interactions with the dodecamer d(CCGGAATTCCGG). Bioorganic and Medicinal Chemistry Letters, 1999, 9, 3261-3266.	1.0	12
10	Bisimidazoacridones: Effect of Molecular Environment on Conformation and Photophysical Properties. Photochemistry and Photobiology, 1999, 70, 568-578.	1.3	8
11	Cellular uptake, cytotoxicity and DNA-binding studies of the novel imidazoacridinone antineoplastic agent C1311. British Journal of Cancer, 1999, 81, 367-375.	2.9	37
12	Interaction between antitumor drugs and a double-stranded oligonucleotide studied by electrospray ionization mass spectrometry., 1999, 34, 1328-1337.		168
13	DNA cleavage by hydroxy-salicylidene-ethylendiamine-iron complexes. Nucleic Acids Research, 1999, 27, 4160-4166.	6.5	82
14	Site-specificity of bis-benzimidazole Hoechst 33258 in A-tract recognition of the DNA dodecamer duplex d(GCAAAATTTTGC)2. Chemical Communications, 1999, , 1861-1862.	2.2	8
15	DNA minor groove recognition by bis-benzimidazole analogues of Hoechst 33258: insights into structure-DNA affinity relationships assessed by fluorescence titration measurements. Nucleic Acids Research, 1999, 27, 1619-1624.	6.5	64
16	The mechanics of minor groove width variation in DNA, and its implications for the accommodation of ligands. Journal of Molecular Biology, 1999, 288, 953-963.	2.0	29
17	How and How Much Can Hoechst 33258 Cause Unwinding in a DNA Duplex?. Chemical and Pharmaceutical Bulletin, 1999, 47, 1363-1368.	0.6	17
18	Salt Effects on Fluorescence Spectral Shifts of DNA-Bound Hoechst 33258 and Reaction Volumes of the Minor Groove Binding. Bulletin of the Chemical Society of Japan, 1999, 72, 1129-1137.	2.0	5

#	Article	IF	CITATIONS
19	Solution structure and dynamics of the A-T tract DNA decamer duplex d(GGTAATTACC)2: implications for recognition by minor groove binding drugs. Biochemical Journal, 1999, 342, 125.	1.7	7
20	Solution structure and dynamics of the A-T tract DNA decamer duplex d(GGTAATTACC)2: implications for recognition by minor groove binding drugs. Biochemical Journal, 1999, 342, 125-132.	1.7	16
21	Drug-DNA recognition: energetics and implications for design. Journal of Molecular Recognition, 2000, 13, 188-197.	1.1	116
22	Synthesis of fluorescent microgonotropens (FMGTs) and their interactions with dsDNA. Bioorganic and Medicinal Chemistry, 2000, 8, 1871-1880.	1.4	23
23	DNA-binding peptides searched from the solid-phase combinatorial library with the use of the magnetic beads attaching the target duplex DNA. Bioorganic and Medicinal Chemistry, 2000, 8, 465-473.	1.4	24
24	Specific molecular recognition of mixed nucleic acid sequences: An aromatic dication that binds in the DNA minor groove as a dimer. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 12-16.	3.3	166
25	Sequence-dependent variation in DNA minor groove width dictates orientational preference of Hoechst 33258 in A-tract recognition: solution NMR structure of the 2:1 complex with d(CTTTTGCAAAAG)2. Nucleic Acids Research, 2000, 28, 728-735.	6. 5	55
26	A thermodynamic and structural analysis of DNA minor-groove complex formation 1 1Edited by I. Tinoco. Journal of Molecular Biology, 2000, 300, 321-337.	2.0	130
27	Binding of Symmetrical Cyanine Dyes into the DNA Minor Groove. Journal of Biomolecular Structure and Dynamics, 2000, 18, 59-72.	2.0	41
28	Parsing free energies of drug-DNA interactions. Methods in Enzymology, 2000, 323, 373-405.	0.4	67
29	Thermodynamics of Substrate Binding to the Chaperone SecBâ€. Biochemistry, 2000, 39, 2420-2427.	1.2	19
30	Energetics of DNA Intercalation Reactionsâ€. Biochemistry, 2000, 39, 8439-8447.	1.2	272
31	DNA Binding, Solubility, and Partitioning Characteristics of Extended Lexitropsins. Journal of Medicinal Chemistry, 2000, 43, 3257-3266.	2.9	22
32	Recognition of Nine Base Pairs in the Minor Groove of DNA by a Tripyrrole Peptideâ^'Hoechst Conjugate. Journal of the American Chemical Society, 2001, 123, 2469-2477.	6.6	37
33	Analysis and interpretation of ligand-DNA binding isotherms. Methods in Enzymology, 2001, 340, 3-22.	0.4	67
34	A Simple, High-Resolution Method for Establishing DNA Binding Affinity and Sequence Selectivity. Journal of the American Chemical Society, 2001, 123, 5878-5891.	6.6	512
35	Increased stability and lifetime of the complex formed between DNA and meta -phenyl-substituted hoechst dyes as studied by fluorescence titrations and stopped-flow kinetics 1 1Edited by I. Tinoco. Journal of Molecular Biology, 2001, 308, 649-663.	2.0	21
36	NOVEL CLASS OF DNA BINDING MOTIFS BASED ON BISTETRAHYDROFURAN AND BISFURAN SKELETON WITH LONG ALKYL CHAINS. Nucleosides, Nucleotides and Nucleic Acids, 2001, 20, 551-558.	0.4	5

3

#	ARTICLE	IF	CITATIONS
37	Experimental Precedent for the Need To Involve the Primary Hydration Layer of DNA in Lead Drug Design. Journal of Medicinal Chemistry, 2001, 44, 2503-2506.	2.9	15
38	Calorimetric techniques in the study of high-order DNA-drug interactions. Methods in Enzymology, 2001, 340, 109-149.	0.4	43
39	Isothermal titration calorimetry: application to structure-based drug design. Thermochimica Acta, 2001, 380, 209-215.	1.2	53
40	Tris-benzimidazole derivatives: design, synthesis and DNA sequence recognition. Bioorganic and Medicinal Chemistry, 2001, 9, 2905-2919.	1.4	43
41	DNA minor-groove recognition by small molecules (up to 2000). Natural Product Reports, 2001, 18, 291-309.	5.2	455
42	NMR Study of Daunomycin Complexation with Hexadeoxynucleotide 5"-d(TpApCpGpTpA) in Aqueous Solution. Molecular Biology, 2001, 35, 740-749.	0.4	3
43	Heterogeneous DNA binding modes of berenil. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2001, 1519, 175-184.	2.4	28
44	In situ staining with DNA-binding fluorescent dye, Hoechst 33258, to detect microorganisms in the epithelial cells of oral leukoplakia. Oral Oncology, 2001, 37, 521-526.	0.8	5
45	Kinetics of binding of hoechst dyes to DNA studied by stopped-flow fluorescence techniques. Methods in Enzymology, 2001, 340, 212-233.	0.4	18
46	Molecular Modelling of Ligand—DNA Minor Groove Binding: Role of Ligand—Water Interactions. Journal of Biomolecular Structure and Dynamics, 2001, 19, 175-178.	2.0	5
47	Thermodynamic characterization of the multivalent binding of chartreusin to DNA. Nucleic Acids Research, 2002, 30, 4567-4573.	6.5	65
48	Energetics of Anthracycline–DNA Interactions. , 0, , 461-481.		0
49	Thermodynamics of Aminoglycosideâ^'rRNA Recognition: The Binding of Neomycin-Class Aminoglycosides to the A Site of 16S rRNAâ€. Biochemistry, 2002, 41, 7695-7706.	1.2	136
50	Base-sequence specificity of Hoechst 33258 and DAPI binding to five (A/T)4 DNA sites with kinetic evidence for more than one high-affinity Hoechst 33258-AATT complex. Journal of Molecular Biology, 2002, 315, 1049-1061.	2.0	114
51	Comparative thermodynamics for monomer and dimer sequence-dependent binding of a heterocyclic dication in the DNA minor groove. Journal of Molecular Biology, 2002, 317, 361-374.	2.0	47
52	Affinities of Packaging Domain Loops in HIV-1 RNA for the Nucleocapsid Proteinâ€. Biochemistry, 2002, 41, 5276-5282.	1.2	82
53	NMR Characterization of the DNA Binding Properties of a Novel Hoechst 33258 Analogue Peptide Building Block. Bioconjugate Chemistry, 2002, 13, 927-936.	1.8	10
54	Efficient Calf Thymus DNA Condensation upon Binding with Novel Bile Acid Polyamine Amides. Bioconjugate Chemistry, 2002, 13, 481-490.	1.8	26

#	Article	IF	Citations
55	Thermodynamics of drug–DNA interactions. Archives of Biochemistry and Biophysics, 2002, 403, 1-15.	1.4	334
56	Theoretical study of tautomeric structures and fluorescence spectra of Hoechst 33258. Computational and Theoretical Chemistry, 2002, 579, 109-113.	1.5	80
57	Circular dichroism and thermal melting differentiation of Hoechst 33258 binding to the curved (A4T4) and straight (T4A4) DNA sequences. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2002, 1576, 136-142.	2.4	13
58	Distamycin A affects the stability of NF-?B p50-DNA complexes in a sequence-dependent manner. Journal of Molecular Recognition, 2002, 15, 19-26.	1.1	6
59	Thermodynamics and kinetics of the cleavage of DNA catalyzed by bleomycin A5. FEBS Journal, 2002, 269, 2851-2859.	0.2	23
60	Interactions of the DNA intercalator acridine orange, with itself, with caffeine, and with double stranded DNA. Biophysical Chemistry, 2002, 96, 53-76.	1.5	133
61	Bleomycin A5 is analogous in mechanism to a DNA-cleaving enzyme: a microcalorimetric study. Thermochimica Acta, 2002, 383 , $1-11$.	1.2	2
62	The antimalarial and cytotoxic drug cryptolepine intercalates into DNA at cytosine-cytosine sites. Nature Structural Biology, 2002, 9, 57-60.	9.7	164
63	Influence of response factors on determining equilibrium association constants of non-covalent complexes by electrospray ionization mass spectrometry. Journal of Mass Spectrometry, 2003, 38, 491-501.	0.7	138
64	Thermodynamics of aminoglycoside-rRNA recognition. Biopolymers, 2003, 70, 58-79.	1.2	60
65	Temperature induced hyperchromism exhibited by Hoechst 33258: evidence of drug aggregation from UV-melting method. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 3123-3129.	2.0	15
66	Synthesis and evaluation of peptidomimetics that bind DNA. Bioorganic and Medicinal Chemistry, 2003, 11, 2355-2365.	1.4	3
67	Reaching into the Major Groove of B-DNA:Â Synthesis and Nucleic Acid Binding of a Neomycinâ^'Hoechst 33258 Conjugate. Journal of the American Chemical Society, 2003, 125, 12398-12399.	6.6	56
68	Enthalpy/Entropy Compensation:Â Influence of DNA Flanking Sequence on the Binding of 7-Amino Actinomycin D to Its Primary Binding Site in Short DNA Duplexesâ€. Biochemistry, 2003, 42, 11960-11967.	1.2	52
69	Sequence Selective Recognition in the Minor Groove of dsDNA by Pyrrole, Imidazole-Substituted Bis-benzimidazole Conjugates. Journal of the American Chemical Society, 2003, 125, 7843-7848.	6.6	22
70	Sequence-specific minor groove binding by bis-benzimidazoles: water molecules in ligand recognition. Nucleic Acids Research, 2003, 31, 1514-1524.	6.5	59
71	Influence of Phenyl Ring Disubstitution on Bisbenzimidazole and Terbenzimidazole Cytotoxicity:Â Synthesis and Biological Evaluation as Radioprotectors. Journal of Medicinal Chemistry, 2003, 46, 3785-3792.	2.9	53
72	Two new cyclosporin folds observed in the structures of the immunosuppressant cyclosporin G and the formyl peptide receptor antagonist cyclosporin H at ultra-high resolution. Organic and Biomolecular Chemistry, 2003, 1, 1466-1474.	1.5	13

#	Article	IF	Citations
73	Energetics of echinomycin binding to DNA. Nucleic Acids Research, 2003, 31, 6191-6197.	6.5	88
74	Water at DNA surfaces: Ultrafast dynamics in minor groove recognition. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8113-8118.	3.3	233
75	Ensemble and single-molecule fluorescence spectroscopic study of the binding modes of the bis-benzimidazole derivative Hoechst 33258 with DNA. Nucleic Acids Research, 2003, 31, 2178-2186.	6.5	51
77	Application of Isothermal Titration Calorimetry in the Biological Sciences: Things Are Heating Up!. BioTechniques, 2004, 37, 885-887.	0.8	63
78	DNA sequence recognition by an isopropyl substituted thiazole polyamide. Nucleic Acids Research, 2004, 32, 3410-3417.	6.5	22
79	Energetic basis for selective recognition of T{middle dot}G mismatched base pairs in DNA by imidazole-rich polyamides. Nucleic Acids Research, 2004, 32, 2000-2007.	6.5	26
80	Comparison of the binding stoichiometries of positively charged DNA-binding drugs using positive and negative ion electrospray ionization mass spectrometry. Journal of the American Society for Mass Spectrometry, 2004, 15, 1382-1391.	1,2	25
81	DNA binding of a short lexitropsin. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1353-1356.	1.0	27
82	DNA sequence recognition in the minor groove by hairpin pyrrole polyamide–Hoechst 33258 analogue conjugate. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3803-3807.	1.0	15
83	Solid-Phase Synthesis of Positively Charged Deoxynucleic Guanidine (DNG) Tethering a Hoechst 33258 Analogue:Â Triplex and Duplex Stabilization by Simultaneous Minor Groove Binding. Journal of the American Chemical Society, 2004, 126, 3736-3747.	6.6	25
84	Thiophene-Based Diamidine Forms a "Super―AT Binding Minor Groove Agent. Journal of the American Chemical Society, 2004, 126, 13659-13669.	6.6	82
85	Large-scale molecular dynamics simulation of DNA: implementation and validation of the AMBER98 force field in LAMMPS. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2004, 362, 1373-1386.	1.6	45
86	Energetic Diversity of DNA Minor-groove Recognition by Small Molecules Displayed Through Some Model Ligand-DNA Systems. Journal of Molecular Biology, 2004, 342, 73-89.	2.0	45
87	A molecular thermodynamic view of DNA–drug interactions: a case study of 25 minor-groove binders. Archives of Biochemistry and Biophysics, 2004, 429, 81-99.	1.4	106
88	Berberine, a strong polyriboadenylic acid binding plant alkaloid: spectroscopic, viscometric, and thermodynamic study. Bioorganic and Medicinal Chemistry, 2005, 13, 165-174.	1.4	89
89	Spectrometric studies of cytotoxic protoberberine alkaloids binding to double-stranded DNA. Bioorganic and Medicinal Chemistry, 2005, 13, 1859-1866.	1.4	69
90	Intercalation of Organic Dye Molecules into Double-Stranded DNA – General Principles and Recent Developments., 0,, 161-204.		213
91	Thermodynamics of the interaction of aluminum ions with DNA: Implications for the biological function of aluminum. Journal of Inorganic Biochemistry, 2005, 99, 1145-1154.	1.5	68

#	Article	IF	CITATIONS
92	Recognition of a 10 base pair sequence of DNA and stereochemical control of the binding affinity of chiral hairpin polyamide–Hoechst 33258 conjugates. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 5531-5536.	1.0	11
93	Biophysical studies of a ruthenium(II) polypyridyl complex binding to DNA and RNA prove that nucleic acid structure has significant effects on binding behaviors. Journal of Biological Inorganic Chemistry, 2005, 10, 529-538.	1.1	77
94	Preparation and Chemical and Biological Studies of the Novel ComplexÂÎ $\frac{1}{4}$ -1,4,5-triphenyl-1,3,4-triazole-2-thiolate-bis[dichlorotriethylphosphineplatinum(II)]a. Transition Metal Chemistry, 2005, 30, 733-737.	0.7	1
95	Theoretical Study of Molecular Recognition by Hoechst 33258 Derivatives. Journal of Biomolecular Structure and Dynamics, 2005, 23, 37-47.	2.0	15
96	Applications of Biocalorimetry: Binding, Stability and Enzyme Kinetics., 2005, , 1-34.		11
97	Association of the Minor Groove Binding Drug Hoechst 33258 with d(CGCGAATTCGCG)2:  Volumetric, Calorimetric, and Spectroscopic Characterizations. Biochemistry, 2005, 44, 9785-9794.	1.2	71
98	Hydration Changes in the Association of Hoechst 33258 with DNA. Biochemistry, 2005, 44, 16988-16997.	1.2	50
99	Isothermal Titration Calorimetry: A Tutorial. , 2005, , 35-58.		10
100	Configurational Entropy Change of Netropsin and Distamycin upon DNA Minor-Groove Binding. Biophysical Journal, 2006, 91, 1460-1470.	0.2	45
101	Strong and selective binding of amiloride to thymine base opposite AP sites in DNA duplexes: simultaneous binding to DNA phosphate backbone. Chemical Communications, 2006, , 1185.	2.2	54
102	Design of New Bidentate Ligands Constructed of Two Hoechst 33258 Units for Discrimination of the Length of Two A3T3Binding Motifs. Journal of Organic Chemistry, 2006, 71, 125-134.	1.7	22
103	Recognition of B-DNA by Neomycinâ^Hoechst 33258 Conjugatesâ€. Biochemistry, 2006, 45, 10217-10232.	1.2	53
104	A thermodynamic signature for drug–DNA binding mode. Archives of Biochemistry and Biophysics, 2006, 453, 26-31.	1.4	368
105	Fluorophores., 2006,, 63-95.		36
106	Molecular aspects on the specific interaction of cytotoxic plant alkaloid palmatine to poly(A). International Journal of Biological Macromolecules, 2006, 39, 210-221.	3.6	56
107	Dinuclear Monointercalating Rull Complexes That Display High Affinity Binding to Duplex and Quadruplex DNA. Chemistry - A European Journal, 2006, 12, 4611-4619.	1.7	221
108	Entropically-driven binding of mithramycin in the minor groove of C/G-rich DNA sequences. Nucleic Acids Research, 2007, 35, 2215-2226.	6.5	47
109	What Drives Proteins into the Major or Minor Grooves of DNA?. Journal of Molecular Biology, 2007, 365, 1-9.	2.0	172

#	Article	IF	CITATIONS
110	Daunomycin Binding to Detergent Micelles:  A Model System for Evaluating the Hydrophobic Contribution to Drugâ^DNA Interactions. Journal of Physical Chemistry B, 2007, 111, 11576-11584.	1.2	25
111	Unusually Strong Binding to the DNA Minor Groove by a Highly Twisted Benzimidazole Diphenylether:Â Induced Fit and Bound Waterâ€. Biochemistry, 2007, 46, 6944-6956.	1.2	24
112	Break in the Heat Capacity Change at 303 K for Complex Binding of Netropsin to AATT Containing Hairpin DNA Constructs. Biophysical Journal, 2007, 92, 2516-2522.	0.2	23
113	Design of DNA Minor Groove Binding Diamidines That Recognize GC Base Pair Sequences:  A Dimeric-Hinge Interaction Motif. Journal of the American Chemical Society, 2007, 129, 13732-13743.	6.6	62
114	Antimicrobial Lexitropsins Containing Amide, Amidine, and Alkene Linking Groups. Journal of Medicinal Chemistry, 2007, 50, 6116-6125.	2.9	77
115	Photophysical Probes of DNA Sequence-Directed Structure and Dynamics. Advances in Photochemistry, 2007, , 145-217.	0.4	17
116	Physical and spectral characterization of the human cyclin A gene and its interactions with anthracycline anticancer drugs. Chemical Physics Letters, 2007, 436, 252-257.	1.2	1
117	Programmable oligomers targeting 5′-GGGG-3′ in the minor groove of DNA and NF-κB binding inhibition. Bioorganic and Medicinal Chemistry, 2007, 15, 759-770.	1.4	21
118	Energetic basis of molecular recognition in a DNA aptamer. Biophysical Chemistry, 2007, 126, 165-175.	1.5	71
119	Volume and hydration changes of DNA–ligand interactions. Biophysical Chemistry, 2007, 125, 471-482.	1.5	14
120	Sequence and length dependent thermodynamic differences in heterocyclic diamidine interactions at AT base pairs in the DNA minor groove. Biophysical Chemistry, 2007, 131, 1-14.	1.5	25
121	Bisimidazoacridones: 2. Steady-state and Time-resolved Fluorescence Studies of Their Diverse Interactions with DNA¶§. Photochemistry and Photobiology, 2003, 78, 313-322.	1.3	0
122	Binding of netropsin to several DNA constructs: Evidence for at least two different $1:1$ complexes formed from an $\hat{a} \in \text{``AATT-containing ds-DNA construct and a single minor groove binding ligand.}$ Biophysical Chemistry, 2007, 126, 186-196.	1.5	39
123	Sequenceâ€Specific Positions of Water Molecules at the Interface between DNA and Minor Groove Binders. ChemPhysChem, 2008, 9, 2766-2771.	1.0	14
124	A Neutral DNA Sequenceâ€Selective Vector for Interaction Studies: Fluorescence Binding Experiments Directed Towards a Carbohydrateâ€DNA Carrier. European Journal of Organic Chemistry, 2008, 2008, 2220-2231.	1.2	3
125	Studies on the interaction of diacetylcurcumin with calf thymus-DNA. Chemical Physics, 2008, 351, 163-169.	0.9	146
126	New challenges for pharmaceutical formulations and drug delivery systems characterization using isothermal titration calorimetry. Drug Discovery Today, 2008, 13, 960-972.	3.2	116
127	Sliding of Alkylating Anticancer Drugs along the Minor Groove of DNA: New Insights on Sequence Selectivity. Biophysical Journal, 2008, 94, 550-561.	0.2	25

#	Article	IF	CITATIONS
128	Diverse Polymorphism of G-Quadruplexes as a Kinetic Phenomenon. Journal of the American Chemical Society, 2008, 130, 14161-14169.	6.6	26
129	Calorimetric and Spectroscopic Studies of Hoechst 33258: Self-association and Binding to Non-cognate DNA. Journal of Molecular Biology, 2008, 381, 607-621.	2.0	73
130	Plasmon-controlled fluorescence: a new paradigm in fluorescence spectroscopy. Analyst, The, 2008, 133, 1308.	1.7	567
131	Calorimetry and Thermodynamics in Drug Design. Annual Review of Biophysics, 2008, 37, 135-151.	4.5	331
132	Targeting human telomeric G-quadruplex DNA with oxazole-containing macrocyclic compounds. Biochimie, 2008, 90, 1233-1249.	1.3	58
133	Alloxazine as a ligand for selective binding to adenine opposite AP sites in DNA duplexes and analysis of single-nucleotide polymorphisms. Organic and Biomolecular Chemistry, 2008, 6, 670.	1.5	50
134	What drives the binding of minor groove-directed ligands to DNA hairpins?. Nucleic Acids Research, 2008, 36, 897-904.	6.5	31
135	A Pyrazine-based Fluorescence-enhancing Ligand with a High Selectivity for Thymine in AP Site-containing DNA Duplexes. Analytical Sciences, 2008, 24, 693-695.	0.8	23
136	Evaluation of Electronic Effect of Phenyl Ring Substituents on the DNA Minor Groove Binding Properties of Novel Bis and Terbenzimidazoles: Synthesis and Spectroscopic Studies of Ligand-DNA Interaction. Oligonucleotides, 2009, 19, 329-340.	2.7	7
137	Structural Insights into Parasite eIF4E Binding Specificity for m7G and m2,2,7G mRNA Caps. Journal of Biological Chemistry, 2009, 284, 31336-31349.	1.6	30
138	Recent Developments in Isothermal Titration Calorimetry Label Free Screening. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 772-790.	0.6	31
139	Partition of thermodynamic energies of drug–DNA complexation. Biopolymers, 2009, 91, 773-790.	1.2	32
140	Sequence Dependent Femtosecond-Resolved Hydration Dynamics in the Minor Groove of DNA and Histone—DNA Complexes. Journal of Fluorescence, 2009, 19, 1111-1118.	1.3	3
141	Enhanced DNA dynamics due to cationic reagents, topological states of dsDNA and high mobility group box 1 as probed by PicoGreen. FEBS Journal, 2009, 276, 541-551.	2.2	10
142	Effect of methyl substitution in a ligand on the selectivity and binding affinity for a nucleobase: A case study with isoxanthopterin and its derivatives. Bioorganic and Medicinal Chemistry, 2009, 17, 351-359.	1.4	24
143	Spectroscopic and calorimetric studies on the DNA recognition of pyrrolo[2,1-c][1,4]benzodiazepine hybrids. Bioorganic and Medicinal Chemistry, 2009, 17, 919-928.	1.4	15
144	Triple recognition of B-DNA. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 4974-4979.	1.0	34
145	A detailed binding free energy study of 2 : 1 ligand–DNA complex formation by experiment and simulation. Physical Chemistry Chemical Physics, 2009, 11, 10682.	1.3	49

#	Article	IF	CITATIONS
146	Minor Groove Binding Compounds That Jump a GC Base Pair and Bind to Adjacent AT Base Pair Sites. Biochemistry, 2009, 48, 1573-1583.	1.2	16
147	Netropsin, a Minor Groove Binding Ligand: A Potential Radioprotective Agent. Radiation Research, 2009, 172, 698-705.	0.7	16
148	Interaction of Small Molecules with Double-Stranded RNA: Spectroscopic, Viscometric, and Calorimetric Study of Hoechst and Proflavine Binding to PolyCG Structures. DNA and Cell Biology, 2009, 28, 209-219.	0.9	26
149	Influence of substituent modifications on the binding of 2-amino-1,8-naphthyridines to cytosine opposite an AP site in DNA duplexes: thermodynamic characterization. Nucleic Acids Research, 2009, 37, 1411-1422.	6.5	78
150	Small-Molecule Binding at an Abasic Site of DNA: Strong Binding of Lumiflavin for Improved Recognition of Thymine-Related Single Nucleotide Polymorphisms. Journal of Physical Chemistry B, 2009, 113, 1522-1529.	1.2	32
151	Solution Structure of a Covalently Bound Pyrrolo[2,1-c][1,4]benzodiazepineâ^Benzimidazole Hybrid to a 10mer DNA Duplex. Biochemistry, 2009, 48, 12223-12232.	1.2	14
152	Sequence Dependencies of DNA Deformability and Hydration in the Minor Groove. Biophysical Journal, 2009, 97, 1138-1147.	0.2	33
153	Recent Developments in the Chemistry of Deoxyribonucleic Acid (DNA) Intercalators: Principles, Design, Synthesis, Applications and Trends. Molecules, 2009, 14, 1725-1746.	1.7	113
154	Isothermal Titration Calorimetry: A Powerful Technique To Quantify Interactions in Polymer Hybrid Systems. Macromolecules, 2009, 42, 7545-7552.	2.2	60
156	Plasmon-Controlled Fluorescence Towards High-Sensitivity Optical Sensing. Advances in Biochemical Engineering/Biotechnology, 2009, 116, 1-28.	0.6	12
157	Osmolyte Changes the Binding Affinity and Mode of Interaction of Minor Groove Binder Hoechst 33258 with Calf Thymus DNA. Chemical and Pharmaceutical Bulletin, 2010, 58, 1447-1454.	0.6	10
158	Groove Binding Ligands for the Interaction with Parallel-Stranded <i>ps</i> DNA. Bioconjugate Chemistry, 2010, 21, 1389-1403.	1.8	42
159	Metal-enhanced PicoGreen \hat{A}^{\otimes} fluorescence: Application to fast and ultra-sensitive pg/ml DNA quantitation. Journal of Immunological Methods, 2010, 362, 95-100.	0.6	23
160	Molecularly Imprinted Nanospheres by Nonaqueous Emulsion Polymerization. Macromolecular Rapid Communications, 2010, 31, 2035-2040.	2.0	37
161	Synthesis of new di- and triamine diosgenin dimers. Tetrahedron, 2010, 66, 1420-1423.	1.0	3
162	Studies on thermodynamic nature of steroselectivity for ruthenium(II) polypyridyl complex binding to DNA. Inorganic Chemistry Communication, 2010, 13, 711-714.	1.8	20
163	DNA binding, cytotoxicity, and apoptotic-inducing activity of ruthenium(II) polypyridyl complex. Acta Biochimica Et Biophysica Sinica, 2010, 42, 440-449.	0.9	32
164	Molecular Dynamics Simulations Shed Light on the Enthalpic and Entropic Driving Forces That Govern the Sequence Specific Recognition between Netropsin and DNA. Journal of Physical Chemistry B, 2010, 114, 11164-11172.	1.2	19

#	Article	IF	CITATIONS
165	Revisiting the Association of Cationic Groove-Binding Drugs to DNA Using a Poisson-Boltzmann Approach. Biophysical Journal, 2010, 99, 879-886.	0.2	28
166	Characterization of PicoGreen Interaction with dsDNA and the Origin of Its Fluorescence Enhancement upon Binding. Biophysical Journal, 2010, 99, 3010-3019.	0.2	152
167	Hoechst 33342 induces radiosensitization in malignant glioma cells via increase in mitochondrial reactive oxygen species. Free Radical Research, 2010, 44, 936-949.	1.5	11
168	The 5-Methyl Group in Thymine Dynamically Influences the Structure of A-Tracts in DNA at the Local and Global Level. Journal of Physical Chemistry B, 2010, 114, 5534-5546.	1.2	11
169	Calorimetric and spectroscopic studies of aminoglycoside binding to AT-rich DNA triple helices. Biochimie, 2010, 92, 514-529.	1.3	34
170	Effect of substituents of alloxazine derivatives on the selectivity and affinity for adenine in AP-site-containing DNA duplexes. Organic and Biomolecular Chemistry, 2010, 8, 4949.	1.5	27
171	Sequence-Dependent Configurational Entropy Change of DNA upon Intercalation. Journal of Physical Chemistry B, 2010, 114, 13446-13454.	1.2	27
172	DNA Binding Characteristics of Mithramycin and Chromomycin Analogues Obtained by Combinatorial Biosynthesis. Biochemistry, 2010, 49, 10543-10552.	1.2	51
173	Physiologically Relevant Concentrations of NaCl and KCl Increase DNA Photocleavage by an N-Substituted 9-Aminomethylanthracene Dye. Biochemistry, 2011, 50, 10375-10389.	1.2	33
174	Water-soluble amino derivatives of free-base dppz – syntheses and DNA binding studies. Organic and Biomolecular Chemistry, 2011, 9, 3462.	1.5	11
175	Interaction of minor groove ligands with G-quadruplexes: Thermodynamic contributions of the number of quartets, Tâ€"U substitutions, and conformation. Biochimie, 2011, 93, 1341-1350.	1.3	6
176	Conformational studies and solvent-accessible surface area analysis of known selective DNA G-Quadruplex binders. Biochimie, 2011, 93, 1267-1274.	1.3	23
177	Studies on the binding of 5-N-methylated quindoline derivative to human telomeric G-quadruplex. Biochemical and Biophysical Research Communications, 2011, 406, 454-458.	1.0	13
178	Thermodynamics of Nucleic Acid Structural Modifications for Biotechnology Applications. , 0, , .		0
179	Specificity of RSG-1.2 Peptide Binding to RRE-IIB RNA Element of HIV-1 over Rev Peptide Is Mainly Enthalpic in Origin. PLoS ONE, 2011, 6, e23300.	1.1	8
180	Effect of DNA Groove Binder Distamycin A upon Chromatin Structure. PLoS ONE, 2011, 6, e26486.	1.1	17
181	Hoechst 33342 induced reactive oxygen species and impaired expression of cytochrome c oxidase subunit 1 leading to cell death in irradiated human cancer cells. Molecular and Cellular Biochemistry, 2011, 352, 281-292.	1.4	7
182	Characteristics of complex formation between monomeric and dimeric bisbenzimidazoles and AT-containing polynucleotide. Molecular Biology, 2012, 46, 823-827.	0.4	3

#	Article	IF	CITATIONS
184	Temperatureâ€Switched Binding of a Ru ^{II} (dppz)/DNA Lightâ€Switch Complex. Angewandte Chemie - International Edition, 2012, 51, 12107-12110.	7.2	33
185	Interaction of Hexadecylbetainate Chloride with Biological Relevant Lipids. Langmuir, 2012, 28, 3524-3533.	1.6	16
186	Synthesis, characterization, and DNA-binding studies of ruthenium complexes [Ru(tpy)(ptn)]2+ and Ru(dmtpy)(ptn)]2+. Journal of Inorganic Biochemistry, 2012, 113, 31-39.	1.5	25
187	Graphene oxide integrated sensor for electrochemical monitoring of mitomycin C–DNA interaction. Analyst, The, 2012, 137, 2129.	1.7	79
188	Rationalising sequence selection by ligand assemblies in the DNA minor groove: the case for thiazotropsin A. Chemical Science, 2012, 3, 711-722.	3.7	20
190	Energetics of ligand binding to the DNA minor groove. Physical Chemistry Chemical Physics, 2012, 14, 5588.	1.3	21
192	Strong and Selective Binding of Amiloride to an Abasic Site in RNA Duplexes: Thermodynamic Characterization and MicroRNA Detection. Angewandte Chemie - International Edition, 2012, 51, 6369-6372.	7.2	46
193	Polycyclic Azoniahetarenes: Assessing the Binding Parameters of Complexes between Unsubstituted Ligands and Gâ€Quadruplex DNA. Chemistry - A European Journal, 2012, 18, 10903-10915.	1.7	25
194	SYBR Green I: Fluorescence Properties and Interaction with DNA. Journal of Fluorescence, 2012, 22, 1189-1199.	1.3	223
195	Solvatochromic fluorescent cyanophenoxazine: design, synthesis, photophysical properties and fluorescence light-up sensing of ct-DNA. RSC Advances, 2013, 3, 5374.	1.7	13
197	Minor-Groove Binding Drugs: Where Is the Second Hoechst 33258 Molecule?. Journal of Physical Chemistry B, 2013, 117, 5820-5830.	1.2	46
198	Structural and energetic insights into sequence-specific interaction in DNA–drug recognition: development of affinity predictor and analysis of binding selectivity. Journal of Molecular Modeling, 2013, 19, 1573-1582.	0.8	9
199	Role of Water in Netropsin Binding to an A2T2 Hairpin DNA Site: Osmotic Stress Experiments. Journal of Physical Chemistry B, 2013, 117, 15958-15965.	1.2	1
200	Thermodynamics and solvation dynamics of BIV TAR RNA–Tat peptide interaction. Molecular BioSystems, 2013, 9, 88-98.	2.9	7
201	Sensing of biomolecules and label-free discrimination of DNA containing a triple T–C/T–G mismatch pair with a fluorescence light-up probe, triazolylpyrene (TNDMBPy). Tetrahedron Letters, 2013, 54, 2627-2632.	0.7	13
202	Study on effects of molecular crowding on G-quadruplex-ligand binding and ligand-mediated telomerase inhibition. Methods, 2013, 64, 19-27.	1.9	33
203	MUC-1 aptamer-conjugated dye-doped silica nanoparticles for MCF-7 cells detection. Biomaterials, 2013, 34, 371-381.	5.7	90
204	Anticancer drug mithramycin interacts with core histones: An additional mode of action of the DNA groove binder. FEBS Open Bio, 2014, 4, 987-995.	1.0	11

#	Article	IF	Citations
205	Shape readout of ATâ€rich DNA by carbohydrates. Biopolymers, 2014, 101, 720-732.	1.2	7
206	Sensitive multiplexed DNA detection using silica nanoparticles as the target capturing platform. Talanta, 2014, 128, 263-267.	2.9	18
207	Minor Groove Binding of the Food Colorant Carmoisine to DNA: Spectroscopic and Calorimetric Characterization Studies. Journal of Agricultural and Food Chemistry, 2014, 62, 317-326.	2.4	49
208	Atomistic account of structural and dynamical changes induced by small binders in the double helix of a short DNA. Physical Chemistry Chemical Physics, 2014, 16, 14070-14082.	1.3	17
209	Recognition of the DNA Minor Groove by Thiazotropsin Analogues. ChemBioChem, 2014, 15, 1978-1990.	1.3	15
210	Interactions of cyclic and non-cyclic naphthalene diimide derivatives with different nucleic acids. Bioorganic and Medicinal Chemistry, 2014, 22, 2593-2601.	1.4	19
211	The DNA intercalators ethidium bromide and propidium iodide also bind to core histones. FEBS Open Bio, 2014, 4, 251-259.	1.0	68
212	Recent Progress in Abasic Site-binding Small Molecules for Detecting Single-base Mutations in DNA. Analytical Sciences, 2014, 30, 137-142.	0.8	11
213	Thermodynamic Analysis of Enzyme–Substrate Interactions by Isothermal Titration Calorimetry (ITC). Kagaku To Seibutsu, 2015, 53, 834-842.	0.0	0
215	Thermodynamic fingerprints of ligand binding to human telomeric G-quadruplexes. Nucleic Acids Research, 2015, 43, gkv1167.	6.5	47
216	Single Molecular Machines and Motors. Advances in Atom and Single Molecule Machines, 2015, , .	0.0	6
217	Dominant Driving Forces in Human Telomere Quadruplex Binding-Induced Structural Alterations. Biophysical Journal, 2015, 108, 2903-2911.	0.2	21
218	Sequence-Dependent Solvation Dynamics of Minor-Groove Bound Ligand Inside Duplex-DNA. Journal of Physical Chemistry B, 2015, 119, 11019-11029.	1.2	23
219	Thermodynamics and kinetic studies in the binding interaction of cyclic naphthalene diimide derivatives with double stranded DNAs. Bioorganic and Medicinal Chemistry, 2015, 23, 4769-4776.	1.4	12
220	Strong positive cooperativity in binding to the A3T3 repeat by Hoechst 33258 derivatives attaching the quinoline units at the end of a branched linker. Bioorganic and Medicinal Chemistry, 2015, 23, 4583-4590.	1.4	5
221	A new strategy for site-specific alkylation of DNA using oligonucleotides containing an abasic site and alkylating probes. Chemical Communications, 2015, 51, 14885-14888.	2.2	17
222	The energetic basis of the DNA double helix: a combined microcalorimetric approach. Nucleic Acids Research, 2015, 43, 8577-8589.	6.5	44
223	Association of a Zn2+ containing metallo \hat{l}^2 -lactamase with the anticancer antibiotic mithramycin. Journal of Inorganic Biochemistry, 2015, 142, 75-83.	1.5	1

#	Article	IF	CITATIONS
224	The Pharmacological Potential of Non-ribosomal Peptides from Marine Sponge and Tunicates. Frontiers in Pharmacology, 2016, 7, 333.	1.6	47
225	Structures of Rpn1 T1:Rad23 and hRpn13:hPLIC2 Reveal Distinct Binding Mechanisms between Substrate Receptors and Shuttle Factors of the Proteasome. Structure, 2016, 24, 1257-1270.	1.6	72
226	Spectroscopic and microcalorimetric studies on the molecular binding of food colorant acid red 27 with deoxyribonucleic acid. Journal of Molecular Recognition, 2016, 29, 363-369.	1.1	2
227	Force measurements reveal how small binders perturb the dissociation mechanisms of DNA duplex sequences. Nanoscale, 2016, 8, 11718-11726.	2.8	11
228	Imidazolylâ€Naphthalenediimideâ€Based Threading Intercalators of DNA. ChemBioChem, 2016, 17, 2162-2171.	1.3	22
229	Linker dependent intercalation of bisbenzimidazole-aminosugars in an RNA duplex; selectivity in RNA vs . DNA binding. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5989-5994.	1.0	17
230	Targeting of 1-Naphthyl acetyl spermine to DNA: A calorimetric and spectroscopic investigation. Journal of Chemical Thermodynamics, 2016, 94, 52-60.	1.0	4
231	Studies on the interaction of the food colorant tartrazine with double stranded deoxyribonucleic acid. Journal of Biomolecular Structure and Dynamics, 2016, 34, 935-942.	2.0	13
232	2D-IR Spectroscopy Shows that Optimized DNA Minor Groove Binding of Hoechst33258 Follows an Induced Fit Model. Journal of Physical Chemistry B, 2017, 121, 1295-1303.	1.2	27
233	Fluorescent sensing of thrombin using a magnetic nano-platform with aptamer-target-aptamer sandwich and fluorescent silica nanoprobe. Journal of Luminescence, 2017, 187, 9-13.	1.5	11
234	Measuring Fluorescence Anisotropy as One of Very Useful Analytical Methods to Obtain Detailed Information of the Complex Binding Interaction. Bulletin of the Korean Chemical Society, 2017, 38, 406-409.	1.0	0
235	Thermodynamic Study of the Interaction of Bovine Serum Albumin and Amino Acids with Cellulose Nanocrystals. Langmuir, 2017, 33, 5473-5481.	1.6	47
236	Conformational properties of DNA minor groove binder Hoechst 33258 in gas phase and in aqueous solution. Computational and Theoretical Chemistry, 2017, 1113, 32-41.	1.1	9
237	Optimization of the Alkyl Linker of TO Base Surrogate in Triplexâ€Forming PNA for Enhanced Binding to Doubleâ€Stranded RNA. Chemistry - A European Journal, 2017, 23, 4079-4088.	1.7	31
238	Selective Inhibition of <i>Escherichia coli</i> RNA and DNA Topoisomerase I by Hoechst 33258 Derived Mono- and Bisbenzimidazoles. Journal of Medicinal Chemistry, 2017, 60, 4904-4922.	2.9	25
239	Inosine Can Increase DNA′s Susceptibility to Photoâ€oxidation by a RullComplex due to Structural Change in the Minor Groove. Chemistry - A European Journal, 2017, 23, 10344-10351.	1.7	18
240	Experimental Probing and Molecular Dynamics Simulation of the Molecular Recognition of DNA Duplexes by the Flavonoid Luteolin. Journal of Chemical Information and Modeling, 2017, 57, 2237-2249.	2.5	19
241	Impact of Linker Length and Composition on Fragment Binding and Cell Permeation: Story of a Bisbenzimidazole Dye Fragment. Biochemistry, 2017, 56, 6434-6447.	1.2	6

#	ARTICLE	IF	Citations
242	The plant alkaloid chelerythrine binds to chromatin, alters H3K9Ac and modulates global gene expression. Journal of Biomolecular Structure and Dynamics, 2017, 35, 1491-1499.	2.0	5
243	Interaction of anthelmintic drug (thiabendazole) with DNA: Spectroscopic and molecular modeling studies. Arabian Journal of Chemistry, 2017, 10, S3947-S3954.	2.3	37
244	Forces maintaining the DNA double helix and its complexes with transcription factors. Progress in Biophysics and Molecular Biology, 2018, 135, 30-48.	1.4	32
245	Thermodynamic and spectroscopic investigations of TMPyP4 association with guanine- and cytosine-rich DNA and RNA repeats ofÂC9orf72. Biochemical and Biophysical Research Communications, 2018, 495, 2410-2417.	1.0	27
246	Cooperativity effect involving drug–DNA/RNA intermolecular interaction: A B3LYP-D3 and MP2 theoretical investigation on ketoprofenâc cytosineâc H ₂ O system. Journal of Biomolecular Structure and Dynamics, 2018, 36, 3587-3606.	2.0	6
247	Aminomethylanthracene Dyes as Highâ€lonicâ€Strength DNAâ€Photocleaving Agents: Two Rings are Better than One. ChemistrySelect, 2018, 3, 4897-4910.	0.7	2
248	Theoretical investigation into the cooperativity effect between the intermolecular Ï€â [™] ™ and H-bonding interactions in the curcuminâ [™] cytosineâ [™] H2O system. Journal of Molecular Modeling, 2018, 24, 298.	0.8	3
249	Thermal Denaturation of DNA G-Quadruplexes and Their Complexes with Ligands: Thermodynamic Analysis of the Multiple States Revealed by Mass Spectrometry. Journal of the American Chemical Society, 2018, 140, 12553-12565.	6.6	78
250	Thermodynamic investigation of Hoechst 33258-poly(A).poly(U) binding through calorimetric studies. Journal of Chemical Thermodynamics, 2018, 126, 91-96.	1.0	5
251	An overview of recent advances in duplex DNA recognition by small molecules. Beilstein Journal of Organic Chemistry, 2018, 14, 1051-1086.	1.3	97
252	Thermodynamics of the interactions of positively charged cellulose nanocrystals with molecules bearing different amounts of carboxylate anions. Physical Chemistry Chemical Physics, 2018, 20, 17637-17647.	1.3	14
253	Thermodynamics of DNA Minor Groove Binders. Journal of Medicinal Chemistry, 2019, 62, 385-402.	2.9	26
254	The energetics of small molecules binding with nucleic acids. Journal of Chemical Thermodynamics, 2019, 139, 105887.	1.0	1
255	DNA binding thermodynamics and site stoichiometry as a function of polyamide size. Biochimie, 2019, 165, 170-178.	1.3	2
256	Protomers of DNA-binding dye fluoresce different colours: intrinsic photophysics of Hoechst 33258. Physical Chemistry Chemical Physics, 2019, 21, 16848-16858.	1.3	8
257	Thermodynamic Study of Ion-Driven Aggregation of Cellulose Nanocrystals. Biomacromolecules, 2019, 20, 3181-3190.	2.6	28
258	Interaction of aloe active compounds with calf thymus DNA. Journal of Molecular Recognition, 2019, 32, e2786.	1.1	6
259	Cooperativity effect of the Ï€âċ¯Ï€ interaction between drug and DNA on intercalative binding induced by H-bonds: a QM/QTAIM investigation of the curcuminâċādenineâċ¯H ₂ O model system. Physical Chemistry Chemical Physics, 2019, 21, 11871-11882.	1.3	3

#	Article	IF	CITATIONS
260	Isothermal Titration Calorimetry: A Powerful Tool for the Characterization of Molecular Interactions. Series in Bioengineering, 2019, , 63-103.	0.3	1
261	Thermodynamics and Biophysics of Biomedical Nanosystems. Series in Bioengineering, 2019, , .	0.3	6
262	Synthesis and Molecular Docking Studies of Novel 5-Arylideneaminouracils. Russian Journal of General Chemistry, 2019, 89, 122-127.	0.3	1
263	Characterizing the Binding Interaction between Erlotinib and Calf Thymus DNAÂInÂVitroÂUsing Multi‧pectroscopic Methodologies and Viscosity Measurement Combined with Molecular Docking and DFT Calculation. ChemistrySelect, 2019, 4, 3774-3781.	0.7	13
264	Assessment on the binding characteristics of dasatinib, a tyrosine kinase inhibitor to calf thymus DNA: insights from multi-spectroscopic methodologies and molecular docking as well as DFT calculation. Journal of Biomolecular Structure and Dynamics, 2020, 38, 4210-4220.	2.0	22
265	Chiral Os(II) Polypyridyl Complexes as Enantioselective Nuclear DNA Imaging Agents Especially Suitable for Correlative High-Resolution Light and Electron Microscopy Studies. ACS Applied Materials & Samp; Interfaces, 2020, 12, 3465-3473.	4.0	12
266	Quadruplex–Duplex Junction: A Highâ€Affinity Binding Site for Indoloquinoline Ligands. Chemistry - A European Journal, 2020, 26, 16910-16922.	1.7	21
267	Dissecting Dynamic and Hydration Contributions to Sequence-Dependent DNA Minor Groove Recognition. Biophysical Journal, 2020, 119, 1402-1415.	0.2	1
268	DNA minor-groove binder Hoechst 33258 destabilizes base-pairing adjacent to its binding site. Communications Biology, 2020, 3, 525.	2.0	25
269	Investigation of binding characteristics of ritonavir with calf thymus DNA with the help of spectroscopic techniques and molecular simulation. Journal of Biomolecular Structure and Dynamics, 2022, 40, 2908-2916.	2.0	14
270	Estimation of a stronger heparin binding locus in fibronectin domain III ¹⁴ using thermodynamics and molecular dynamics. RSC Advances, 2020, 10, 20288-20301.	1.7	9
271	The regulatory function of dlno80 correlates with its DNA binding activity. Gene, 2020, 732, 144368.	1.0	1
272	Curcumin analogs exhibit anti-cancer activity by selectively targeting G-quadruplex forming c-myc promoter sequence. Biochimie, 2021, 180, 205-221.	1.3	21
273	Origin of heat capacity increment in DNA folding: The hydration effect. Biochimica Et Biophysica Acta - General Subjects, 2021, 1865, 129774.	1.1	9
274	DNA Minor Groove-Induced <i>cis</i> fi>– <i>trans</i> Isomerization of a Near-Infrared Fluorescent Probe. Biochemistry, 2021, 60, 2084-2097.	1.2	5
275	Mass Spectrometry of Nucleic Acid Noncovalent Complexes. Chemical Reviews, 2022, 122, 7720-7839.	23.0	40
276	A polymeric approach toward resistance-resistant antimicrobial agent with dual-selective mechanisms of action. Science Advances, 2021, 7, .	4.7	50
277	Chapter 9. Reversible Small Molecule–Nucleic Acid Interactions. , 2007, , 341-382.		6

#	Article	IF	CITATIONS
278	Bisimidazoacridones: 2. Steady-state and Time-resolved Fluorescence Studies of Their Diverse Interactions with DNA¶§. Photochemistry and Photobiology, 2003, 78, 313.	1.3	12
279	Recent Advances in Therapeutic Applications of Bisbenzimidazoles. Medicinal Chemistry, 2020, 16, 454-486.	0.7	7
280	Bipyrrole Derivatives as New DNA-Minor Groove Binders. Heterocycles, 2004, 63, 29.	0.4	3
281	Development of the Strategy for Chemical Modifications to Nucleic Acids. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2016, 74, 494-504.	0.0	0
284	Potential Target Sites that Are Affected by Antimicrobial Surfaces. Materials Horizons, 2020, , 33-63.	0.3	1
285	Solution structure and dynamics of the A-T tract DNA decamer duplex d(GGTAATTACC)2: implications for recognition by minor groove binding drugs. Biochemical Journal, 1999, 342 (Pt 1), 125-32.	1.7	2
286	Piperine analogs arrest c-myc gene leading to downregulation of transcription for targeting cancer. Scientific Reports, 2021, 11, 22909.	1.6	13
287	AT-hook peptides bind the major and minor groove of AT-rich DNA duplexes. Nucleic Acids Research, 2022, 50, 2431-2439.	6.5	6
288	The Importance of Entropic Factors in DNA Behaviour: Insights from Simulations. , 2006, , 537-558.		0
289	Exploring the Conformational and Binding Dynamics of HMGA2·DNA Complexes Using Trapped Ion Mobility Spectrometry–Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2022, 33, 1103-1112.	1.2	4
290	Preparation, cytotoxic activity and DNA interaction studies of new platinum(II) complexes with 1,10-phenanthroline and 5-alkyl-1,3,4-oxadiazol-2(3H)-thione derivatives. Journal of Inorganic Biochemistry, 2022, 237, 111993.	1.5	2
291	Fragment-Based Design of Small Molecules to Study DNA Minor Groove Recognition. Journal of Physical Chemistry B, 2022, 126, 7310-7320.	1.2	2
292	Molecular interactions between bovine serum albumin (BSA) and trihalophenol: Insights from spectroscopic, calorimetric and molecular modeling studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2023, 287, 122054.	2.0	12