Kazuhiko Nakatani

List of Publications by Year
in descending order

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241	6,545	76326	98798
papers	citations	40 h-index	67 g-index

261	261	261	3820
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	HT-SELEX-based identification of binding pre-miRNA hairpin-motif for small molecules. Molecular Therapy - Nucleic Acids, 2022, 27, 165-174.	5.1	4
2	CAG repeat-binding small molecule improves motor coordination impairment in a mouse model of Dentatorubralâ€“pallidoluysian atrophy. Neurobiology of Disease, 2022, 163, 105604.	4.4	11
3	Possibilities and challenges of small molecule organic compounds for the treatment of repeat diseases. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 2022, 98, 30-48.	3.8	8
4	Mismatch binding ligand upregulated back-splicing reaction producing circular RNA in a cellular model. Chemical Communications, 2022, 58, 3629-3632.	4.1	2
5	2-Amino-1,8-naphthyridine Dimer (ANP77), a High-Affinity Binder to the Internal Loops of C/CC and T/CC Sites in Double-Stranded DNA. Journal of Organic Chemistry, 2022, 87, 340-350.	3.2	3
6	Premature translation termination mediated non-ER stress induced ATF6 activation by a ligand-dependent ribosomal frameshifting circuit. Nucleic Acids Research, 2022, 50, 5369-5383.	14.5	2
7	Small molecule-induced trinucleotide repeat contractions during in vitro DNA synthesis. Chemical Communications, 2021, 57, 3235-3238.	4.1	6
8	Speeding drug discovery targeting RNAs: An iterative â€œRNA selection-compounds screening cycleâ€œ for exploring RNA-small molecule pairs. Bioorganic and Medicinal Chemistry, 2021, 36, 116070.	3.0	1
9	Ab initio multi-level layered elongation method and its application to local interaction analysis between DNA bulge and ligand molecules. Journal of Chemical Physics, 2021, 155, 044110.	3.0	3
10	A small-molecule fluorescence probe ANP77 for sensing RNA internal loop of C, U and A/CC motifs and their binding molecules. Nucleic Acids Research, 2021, 49, 8462-8470.	14.5	7
11	Cyclic mismatch binding ligands interact with disease-associated CGG trinucleotide repeats in RNA and suppress their translation. Nucleic Acids Research, 2021, 49, 9479-9495.	14.5	8
12	Short Tandem Repeat Contractions during In Vitro DNA Synthesis by Repeat-binding Molecules. Chemistry Letters, 2021, 50, 1848-1851.	1.3	0
13	Rational design of a photoswitchable DNA glue enabling high regulatory function and supramolecular chirality transfer. Chemical Science, 2021, 12, 9207-9220.	7.4	21
14	Small Molecule-Induced Dimerization of Hairpin RNA Interfered with the Dicer Cleavage Reaction. Biochemistry, 2021, 60, 245-249.	2.5	4
15	Small molecule targeting r(UGGAA)n disrupts RNA foci and alleviates disease phenotype in Drosophila model. Nature Communications, 2021, 12, 236.	12.8	39
16	FAN1 exo- not endo-nuclease pausing on disease-associated slipped-DNA repeats: A mechanism of repeat instability. Cell Reports, 2021, 37, 110078.	6.4	19
17	RTâ€Hproâ€PCR: A MicroRNA Detection System Using a Primer with a DNA Tag. ChemBioChem, 2020, 21, 477-480.	2.6	7
18	A novel naphthyridine tetramer that recognizes tandem Gâ€“G mismatches by the formation of an interhelical complex. Chemical Communications, 2020, 56, 754-757.	4.1	3

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19	Hydrolytically Stable Monolayers Derived from Epoxy Silane. Chemistry Letters, 2020, 49, 129-132.	1.3	0
20	Chemical Probing of Thymine in the TGG/CGG Triad to Explore the Deamination of 5-Methylcytosine in the CGG Repeat. Biochemistry, 2020, 59, 2679-2683.	2.5	0
21	The Dimeric Form of 1,3â€Diaminoisoquinoline Derivative Rescued the Misâ€splicing of Atp2a1 and Clcn1 Genes in Myotonic Dystrophy Typeâ€…1 Mouse Model. Chemistry - A European Journal, 2020, 26, 14305-14309.	3.3	10
22	A slipped-CAG DNA-binding small molecule induces trinucleotide-repeat contractions in vivo. Nature Genetics, 2020, 52, 146-159.	21.4	110
23	Recognition of expanded GGGGCC hexanucleotide repeat by synthetic ligand through interhelical binding. Biochemical and Biophysical Research Communications, 2020, 531, 56-61.	2.1	3
24	Assembly of ruthenium complexes on double stranded DNA using mismatch binding ligands. Chemical Communications, 2020, 56, 5227-5230.	4.1	6
25	Structural insights into synthetic ligands targeting Aâ€“A pairs in disease-related CAG RNA repeats. Nucleic Acids Research, 2019, 47, 10906-10913.	14.5	23
26	Molecular Glue for RNA: Regulating RNA Structure and Function through Synthetic RNA Binding Molecules. ChemBioChem, 2019, 20, 2903-2910.	2.6	4
27	Modulating RNA secondary and tertiary structures by mismatch binding ligands. Methods, 2019, 167, 78-91.	3.8	10
28	Inhibition of pre-miRNA-136 processing by Dicer with small molecule BzDANP suggested the formation of ternary complex of pre-miR-136â€“BzDANPâ€“Dicer. Bioorganic and Medicinal Chemistry, 2019, 27, 2140-2148.	3.0	8
29	Electrical Nucleotide Sensor Based on Synthetic Guanineâ€Receptorâ€Modified Electrodes. ChemistrySelect, 2018, 3, 3819-3824.	1.5	2
30	PCR under Low Ionic Concentration Buffer Conditions. ChemistrySelect, 2018, 3, 973-976.	1.5	5
31	Restoration of Ribozyme Tertiary Contact and Function by Using a Molecular Glue for RNA. Angewandte Chemie - International Edition, 2018, 57, 506-510.	13.8	15
32	Restoration of Ribozyme Tertiary Contact and Function by Using a Molecular Glue for RNA. Angewandte Chemie, 2018, 130, 515-519.	2.0	3
33	CGG repeat DNA assisted dimerization of CGG/CGG binding molecule through intermolecular disulfide formation. Chemical Communications, 2018, 54, 13072-13075.	4.1	4
34	A Dimeric 2,9â€Diaminoâ€1,10â€phenanthroline Derivative Improves Alternative Splicing in Myotonic Dystrophy Typeâ€…1 Cell and Mouse Models. Chemistry - A European Journal, 2018, 24, 18115-18122.	3.3	27
35	Bicyclic and tricyclic Câ€“C mismatch-binding ligands bind to CCG trinucleotide repeat DNAs. Chemical Communications, 2018, 54, 7074-7077.	4.1	11
36	1,3-Di(quinolin-2-yl)guanidine binds to GGCCCC hexanucleotide repeat DNA in C9ORF72. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2364-2368.	2.2	3

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37	Expanding chemical space of DNA-binding molecules with three base-binding units. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2894-2898.	2.2	2
38	Small synthetic molecule-stabilized RNA pseudoknot as an activator for â€“1 ribosomal frameshifting. Nucleic Acids Research, 2018, 46, 8079-8089.	14.5	24
39	Fluorescence turn-on hairpin-probe PCR. Chemical Communications, 2017, 53, 1393-1396.	4.1	5
40	Amphiphilic DNA tiles for controlled insertion and 2D assembly on fluid lipid membranes: the effect on mechanical properties. Nanoscale, 2017, 9, 3051-3058.	5.6	19
41	Synthetic ligand promotes gene expression by affecting GC sequence in promoter. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3391-3394.	2.2	4
42	Synthesis of Naphthyridine Dimers with Conformational Restriction and Binding to DNA and RNA. Chemistry - an Asian Journal, 2017, 12, 3077-3087.	3.3	7
43	Synthesis of Naphthyridine Carbamate Dimer (NCD) Derivatives Modified with Alkanethiol and Binding Properties of Gâ€“G Mismatch DNA. Organic Letters, 2017, 19, 4163-4166.	4.6	10
44	Design and Synthesis of Cyclic Mismatchâ€Binding Ligands (CMBLs) with Variable Linkers by Ringâ€Closing Metathesis and their Photophysical and DNA Repeat Binding Properties. Chemistry - A European Journal, 2017, 23, 11385-11396.	3.3	9
45	A 2,7-diamino-1,4,8-triazanaphthalene derivative selectively binds to cytosine bulge DNA only at a weakly acidic pH. Organic and Biomolecular Chemistry, 2017, 15, 1313-1316.	2.8	2
46	Cyclic mismatch binding ligand CMBL4 binds to the 5â€²-T-3â€²/5â€²-GG-3â€² site by inducing the flipping out of thymine base. Nucleic Acids Research, 2016, 44, gkw672.	14.5	12
47	Fluorescence Probe for Detecting CCG Trinucleotide Repeat DNA Expansion and Slipâ€Out. ChemBioChem, 2016, 17, 1685-1688.	2.6	14
48	Naphthyridineâ€Benzoazaquinolone: Evaluation of a Tricyclic System for the Binding to (CAG)_n Repeat DNA and RNA. Chemistry - an Asian Journal, 2016, 11, 1971-1981.	3.3	17
49	Synthesis of 1H-pyrrolo[3,2-h]quinoline-8-amine derivatives that target CTG trinucleotide repeats. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3761-3764.	2.2	22
50	A Ligand That Targets CUG Trinucleotide Repeats. Chemistry - A European Journal, 2016, 22, 14761-14761.	3.3	3
51	A Ligand That Targets CUG Trinucleotide Repeats. Chemistry - A European Journal, 2016, 22, 14881-14889.	3.3	18
52	BzDANP, a Small-Molecule Modulator of Pre-miR-29a Maturation by Dicer. ACS Chemical Biology, 2016, 11, 2790-2796.	3.4	17
53	Synthesis and Photophysical Properties of Fluorescence Molecular Probe for Turn-ON-Type Detection of Cytosine Bulge DNA. Organic Letters, 2016, 18, 3170-3173.	4.6	10
54	Development of 2, 7-Diamino-1, 8-Naphthyridine (DANP) Anchored Hairpin Primers for RT-PCR Detection of Chikungunya Virus Infection. PLoS Neglected Tropical Diseases, 2016, 10, e0004887.	3.0	3

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55	Exploratory Study on the RNAâ€Binding Structural Motifs by Library Screening Targeting preâ€miRNAâ€29â€‰a. Chemistry - A European Journal, 2015, 21, 16859-16867.	3.3	27
56	2-Aminophenanthroline dimer stabilized the Câ€“C mismatched duplex DNA. Bioorganic and Medicinal Chemistry, 2015, 23, 753-758.	3.0	5
57	A hybridisation-dependent membrane-insertable amphiphilic DNA. Organic and Biomolecular Chemistry, 2015, 13, 10117-10121.	2.8	4
58	Formation of a Ligandâ€Assisted Complex of Two RNA Hairpin Loops. Chemistry - A European Journal, 2014, 20, 5282-5287.	3.3	15
59	Detection of hepatitis C virus by single-step hairpin primer RT-PCR. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 394-396.	2.2	9
60	Cytosine-bulge-dependent fluorescence quenching for the real-time hairpin primer PCR. Chemical Communications, 2014, 50, 15195-15198.	4.1	9
61	Modulation of binding properties of amphiphilic DNA containing multiple dodecyl phosphotriester linkages to lipid bilayer membrane. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3578-3581.	2.2	8
62	Synthesis of 8-Substituted Adenine and Adenosine Libraries and the Binding to pre-miR-29a. Bulletin of the Chemical Society of Japan, 2014, 87, 1013-1015.	3.2	2
63	Recognition of Chelerythrine to Human Telomeric DNA and RNA G-quadruplexes. Scientific Reports, 2014, 4, 6767.	3.3	34
64	Development of Photoswitchable RNA Aptamerâ€“Ligand Complexes. Methods in Molecular Biology, 2014, 1111, 29-40.	0.9	5
65	The Chemistry of Polymerase Chain Reaction^|^mdash;Development of the PCR Method Using New Modified Primers^|^mdash;. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2014, 72, 370-381.	0.1	2
66	A Synthetic Riboswitch that Operates using a Rationally Designed Ligandâ€“RNA Pair. Angewandte Chemie - International Edition, 2013, 52, 9976-9979.	13.8	20
67	Selective recognition of Gâ€“G mismatch using the double functional probe with electrochemical activeferrocenyl. Biosensors and Bioelectronics, 2013, 42, 36-40.	10.1	19
68	Ligand-inducible formation of RNA pseudoknot. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3539-3541.	2.2	11
69	High speed DNA denaturation using microheating devices. Applied Physics Letters, 2013, 103, 023112.	3.3	4
70	Triethynylmethane: a molecular unit inducing excimer-like emission in aggregated states of hydrocarbon fluorophores. Tetrahedron Letters, 2013, 54, 143-146.	1.4	7
71	A Novel DANP-Coupled Hairpin RT-PCR for Rapid Detection of Chikungunya Virus. Journal of Molecular Diagnostics, 2013, 15, 227-233.	2.8	21
72	A dimeric form of N-methoxycarbonyl-2-amino-1,8-naphthyridine bound to the Aâ€“A mismatch in the CAG/CAG base triad in dsRNA. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 558-561.	2.2	7

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73	Facile electrochemical biosensor based on a new bifunctional probe for label-free detection of CGG trinucleotide repeat. Biosensors and Bioelectronics, 2013, 49, 282-289.	10.1	26
74	Xanthone derivatives as potential inhibitors of miRNA processing by human Dicer: Targeting secondary structures of pre-miRNA by small molecules. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 252-255.	2.2	37
75	Fluorescent indicator displacement assay of ligands targeting 10 microRNA precursors. Bioorganic and Medicinal Chemistry, 2013, 21, 7101-7106.	3.0	21
76	Ligand-induced electron spin-assembly on a DNA tile. Chemical Communications, 2013, 49, 6370.	4.1	18
77	G-quadruplex formation of entirely hydrophobic DNA in organic solvents. Chemical Communications, 2013, 49, 5501.	4.1	10
78	The Chemistry of PCR Primers: Concept and Application. Israel Journal of Chemistry, 2013, 53, 401-416.	2.3	8
79	Naphthyridine tetramer with a pre-organized structure for 1:1 binding to a CGG/CGG sequence. Nucleic Acids Research, 2012, 40, 2771-2781.	14.5	28
80	Assembly of a Small DNA Rectangular Parallelepiped Block into Higher Order Nanostructures. Chemistry Letters, 2012, 41, 1550-1552.	1.3	2
81	Activation of prokaryotic translation by antisense oligonucleotides binding to coding region of mRNA. Biochemical and Biophysical Research Communications, 2012, 429, 105-110.	2.1	1
82	Toward the Discovery of Small Molecules Affecting RNA Function. , 2012, , 59-67.		0
83	Amphiphilic DNA Duplex Stabilized by a Hydrophobic Zipper. European Journal of Organic Chemistry, 2012, 2012, 5317-5323.	2.4	11
84	Competitive Alleleâ€Specific Hairpin Primer PCR for Extremely High Allele Discrimination in Typing of Single Nucleotide Polymorphisms. ChemBioChem, 2012, 13, 1409-1412.	2.6	13
85	Structureâ€“Activity Studies on the Fluorescent Indicator in a Displacement Assay for the Screening of Small Molecules Binding to RNA. Chemistry - A European Journal, 2012, 18, 9999-10008.	3.3	25
86	A small molecule regulates hairpin structures in d(CGG) trinucleotide repeats. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2000-2003.	2.2	31
87	Tandem Arrays of TEMPO and Nitronyl Nitroxide Radicals with Designed Arrangements on DNA. Chemistry - A European Journal, 2012, 18, 178-183.	3.3	22
88	Ligand inducible assembly of a DNA tetrahedron. Chemical Communications, 2011, 47, 3499.	4.1	20
89	Control of DNA hybridization by photoswitchable molecular glue. Chemical Society Reviews, 2011, 40, 5718.	38.1	52
90	Interstrand Crosslink for Discrimination of Methylated Cytosines. Chemistry Letters, 2011, 40, 852-854.	1.3	0

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91	Ligandâ€Assisted Complex Formation of Two DNA Hairpin Loops. Angewandte Chemie - International Edition, 2011, 50, 4390-4393.	13.8	23
92	Moleculaâ€Glueâ€Triggered DNA Assembly To Form a Robust and Photoresponsive Nanoâ€Network. Chemistry - A European Journal, 2011, 17, 8189-8194.	3.3	9
93	Small Molecule Modulates Hairpin Structures in CAG Trinucleotide Repeats. ChemBioChem, 2011, 12, 1686-1689.	2.6	21
94	Noncovalent Assembly of TEMPO Radicals Pair-wise Embedded on a DNA Duplex. Chemistry Letters, 2010, 39, 556-557.	1.3	15
95	A reverse transcriptase stop assay revealed diverse quadruplex formations in UTRs in mRNA. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 2350-2353.	2.2	26
96	Antisense-Induced Guanine Quadruplexes Inhibit Reverse Transcription by HIV-1 Reverse Transcriptase. Journal of the American Chemical Society, 2010, 132, 11171-11178.	13.7	32
97	Fluorescent Indicator Displacement Assay for Ligandâ^'RNA Interactions. Journal of the American Chemical Society, 2010, 132, 3660-3661.	13.7	63
98	Discrimination of N6-methyl adenine in a specific DNA sequence. Chemical Communications, 2010, 46, 5530.	4.1	17
99	Programmed assembly of organic radicals on DNA. Chemical Communications, 2010, 46, 1247.	4.1	27
100	Transformation of cytosine to uracil in single-stranded DNA via their oxime sulfonates. Chemical Communications, 2010, 46, 3378.	4.1	2
101	Reaction of cytosine with bisulfite and hydroxylamine. Nucleic Acids Symposium Series, 2009, 53, 215-216.	0.3	0
102	DNA cross-link generated by a novel modified DNA containing a formyl group. Nucleic Acids Symposium Series, 2009, 53, 171-172.	0.3	2
103	RNA Aptamers That Reversibly Bind Photoresponsive Azobenzeneâ€Containing Peptides. Chemistry - A European Journal, 2009, 15, 424-432.	3.3	26
104	A Small Molecule Affecting the Replication of Trinucleotide Repeat d(GAA)_n. Chemistry - A European Journal, 2009, 15, 10641-10648.	3.3	24
105	Photoswitchable Unsymmetrical Ligand for DNA Heteroâ€Mismatches. European Journal of Organic Chemistry, 2009, 2009, 4051-4058.	2.4	26
106	Secondaryâ€Structureâ€Inducible Ligand Fluorescence Coupled with PCR. Angewandte Chemie - International Edition, 2009, 48, 7822-7824.	13.8	26
107	A Lightâ€Driven Supramolecular Optical Switch. Angewandte Chemie - International Edition, 2009, 48, 7362-7365.	13.8	66
108	The effect of linker length on binding affinity of a photoswitchable molecular glue for DNA. Bioorganic and Medicinal Chemistry, 2009, 17, 2536-2543.	3.0	24

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109	Synthesis and Reaction of DNA Oligomers Containing Modified Cytosines Related to Bisulfite Sequencing. Organic Letters, 2009, 11, 1377-1379.	4.6	13
110	Recognition of Mismatched Base Pairs in DNA. Bulletin of the Chemical Society of Japan, 2009, 82, 1055-1069.	3.2	46
111	Site-specific binding of chelerythrine and sanguinarine to single pyrimidine bulges in hairpin DNA. Analytical and Bioanalytical Chemistry, 2008, 392, 709-716.	3.7	29
112	Ligandâ€Stabilized Hairpin Structures Interfere with Elongation of Human Telomere. ChemBioChem, 2008, 9, 510-513.	2.6	8
113	DNA Labeling by Ligand Inducible Secondary Structure. ChemBioChem, 2008, 9, 1893-1897.	2.6	8
114	Ligand Binding to Tandem G Quadruplexes from Human Telomeric DNA. ChemBioChem, 2008, 9, 2583-2587.	2.6	50
115	Dimer of 2,7-diamino-1,8-naphthyridine for the detection of mismatches formed by pyrimidine nucleotide bases. Bioorganic and Medicinal Chemistry, 2008, 16, 10338-10344.	3.0	17
116	Polyamines stabilize left-handed Z-DNA: Using X-ray crystallographic analysis, we have found a new type of polyamine (PA) that stabilizes left-handed Z-DNA. Biochemical and Biophysical Research Communications, 2008, 366, 275-280.	2.1	26
117	The crystallographic study of left-handed Z-DNA d(CGCGCG)2 and thermine complexes crystallized at various temperatures and at various concentration of cations. Biochemical and Biophysical Research Communications, 2008, 368, 382-387.	2.1	5
118	Genotyping by allele-specific l-DNA-tagged PCR. Journal of Biotechnology, 2008, 135, 157-160.	3.8	29
119	Synthesis of Dimeric 2â€Aminoâ€1,8â€Naphthyridine and Related DNAâ€Binding Molecules. Current Protocols in Nucleic Acid Chemistry, 2008, 32, Unit 8.6.	0.5	4
120	Molecular Design Targeting Repeat Sequences in Human Genome. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2008, 66, 1126-1133.	0.1	2
121	Reversible regulation of binding between a photoresponsive peptide and its RNA aptamer. Nucleic Acids Symposium Series, 2007, 51, 93-94.	0.3	4
122	Reversible control of DNA hybridization by photoresponsive ligands. Nucleic Acids Symposium Series, 2007, 51, 173-174.	0.3	2
123	The rare crystallographic structure of d(CGCGCG)2: The natural spermidine molecule bound to the minor groove of left-handed Z-DNA d(CGCGCG)2 at 10Â°C. Biochemical and Biophysical Research Communications, 2007, 358, 24-28.	2.1	17
124	Photoswitchable Molecular Glue for DNA. Journal of the American Chemical Society, 2007, 129, 11898-11899.	13.7	113
125	Exploiting Small Molecule Binding to DNA for the Detection of Single-Nucleotide Mismatches and Their Base Environment. Analytical Chemistry, 2007, 79, 2552-2555.	6.5	30
126	Photoregulation of a Peptideâ€'RNA Interaction on a Gold Surface. Journal of the American Chemical Society, 2007, 129, 8678-8679.	13.7	51

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127	Detection ofL-DNA-Tagged PCR Products by Surface Plasmon Resonance Imaging. ChemBioChem, 2007, 8, 169-171.	2.6	17
128	Small-Molecule Binding to the Nonquadruplex Form of the Human Telomeric Sequence. ChemBioChem, 2007, 8, 723-726.	2.6	7
129	Bidirectional Control of Gold Nanoparticle Assembly by Turning On and Off DNA Hybridization with Thermally Degradable Molecular Glue. ChemBioChem, 2007, 8, 483-485.	2.6	20
130	Allele Specific C-Bulge Probes with One Unique Fluorescent Molecule Discriminate the Single Nucleotide Polymorphism in DNA. Chemistry - A European Journal, 2007, 13, 4452-4457.	3.3	39
131	Emission of characteristic fluorescence from the ligandâ€“cytosine complex in U_A/ACU bulged RNA duplex. Bioorganic and Medicinal Chemistry, 2007, 15, 4813-4817.	3.0	11
132	Analysis of mismatched DNA by mismatch binding ligand (MBL)â€“Sepharose affinity chromatography. Analytical and Bioanalytical Chemistry, 2007, 388, 1165-1173.	3.7	6
133	THz Time-Domain Spectroscopy of Thin-Film DNA Oligomer Having Mismatch. , 2006, , .		0
134	Evaluation of mismatch-binding ligands as inhibitors for Revâ€“RRE interaction. Bioorganic and Medicinal Chemistry, 2006, 14, 5384-5388.	3.0	15
135	Mismatch-Binding Ligands Function as a Molecular Glue for DNA. Angewandte Chemie - International Edition, 2006, 45, 5623-5626.	13.8	71
136	Inhibition of DNA replication by a d(CAG) repeat binding ligand. Nucleic Acids Symposium Series, 2006, 50, 147-148.	0.3	7
137	Control of DNA hybridization by photoswitchable mismatch binding ligands. Nucleic Acids Symposium Series, 2006, 50, 87-88.	0.3	1
138	Measurement of circular dichroism and structural chemical research of d(CG)6 and d(TA)6. Nucleic Acids Symposium Series, 2006, 50, 227-228.	0.3	1
139	N,Nâ€²-Bis(3-aminopropyl)-2,7-diamino-1,8-naphthyridine stabilized a single pyrimidine bulge in duplex DNA. Bioorganic and Medicinal Chemistry, 2005, 13, 4507-4512.	3.0	49
140	A new ligand binding to Gâ€“G mismatch having improved thermal and alkaline stability. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 259-262.	2.2	45
141	Small-molecule ligand induces nucleotide flipping in (CAG)n trinucleotide repeats. Nature Chemical Biology, 2005, 1, 39-43.	8.0	156
142	Binding of Naphthyridine Carbamate Dimer to the (CGG)n Repeat Results in the Disruption of the G-C Base Pairing. Angewandte Chemie - International Edition, 2005, 44, 7280-7283.	13.8	82
143	Application of L-DNA as a molecular tag. Nucleic Acids Symposium Series, 2005, 49, 261-262.	0.3	8
144	Solution structure of a small-molecular ligand complexed with CAG trinucleotide repeat DNA. Nucleic Acids Symposium Series, 2005, 49, 49-50.	0.3	1

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145	Molecular labeling of the CGG trinucleotide repeat. Nucleic Acids Symposium Series, 2005, 49, 39-40.	0.3	0
146	NMR structural analysis of the G.G mismatch DNA complexed with naphthyridine-dimer. Nucleic Acids Symposium Series, 2005, 49, 213-214.	0.3	18
147	Charge Transport in Duplex DNA Containing Modified Nucleotide Bases. Topics in Current Chemistry, 2004, , 163-186.	4.0	14
148	Detection of guanine-adenine mismatches by surface plasmon resonance sensor carrying naphthyridine-azaquinolone hybrid on the surface. Nucleic Acids Research, 2004, 32, 278-286.	14.5	79
149	Highly sensitive detection of GG mismatched DNA by surfaces immobilized naphthyridine dimer through poly(ethylene oxide) linkers. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1105-1108.	2.2	17
150	Chemistry Challenges in SNP Typing. ChemBioChem, 2004, 5, 1623-1633.	2.6	95
151	The binding of guanineâ€“guanine mismatched DNA to naphthyridine dimer immobilized sensor surfaces: kinetic aspects. Bioorganic and Medicinal Chemistry, 2004, 12, 3117-3123.	3.0	12
152	2-Ureidoquinoline: a useful molecular element for stabilizing single cytosine and thymine bulges. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3431-3433.	2.2	12
153	Solvent Effects on the Suppression of Oxidative Decomposition of Guanines by Phenyl Group Attachment in Deoxyribonucleic Acid (DNA). Journal of Physical Chemistry B, 2004, 108, 7500-7505.	2.6	4
154	The SPR Sensor Detecting Cytosineâ”Cytosine Mismatches. Journal of the American Chemical Society, 2004, 126, 557-562.	13.7	108
155	Assessment of the sequence dependency for the binding of 2-aminonaphthyridine to the guanine bulge. Bioorganic and Medicinal Chemistry, 2003, 11, 2347-2353.	3.0	18
156	2,6-Diaminonaphthyridine derivatives bind to a single nucleotide bulge in DNA. Nucleic Acids Symposium Series, 2003, 3, 139-140.	0.3	0
157	Hole Trapping atN6-Cyclopropyldeoxyadenosine Suggests a Direct Contribution of Adenine Bases to Hole Transport through DNA. Journal of the American Chemical Society, 2003, 125, 10154-10155.	13.7	41
158	Induction of a Remarkable Conformational Change in a Human Telomeric Sequence by the Binding of Naphthyridine Dimer:â€‰ Inhibition of the Elongation of a Telomeric Repeat by Telomerase. Journal of the American Chemical Society, 2003, 125, 662-666.	13.7	65
159	Formation and destruction of the guanine quartet in solution observed by cold-spray ionization mass spectrometryElectronic supplementary information available: CSI and ESI mass spectra of dG, dC, dA and dT, and schematic diagram of the coldspray ion source. See http://www.rsc.org/suppdata/cc/b2/b212432g/. Chemical Communications, 2003, , 788-789.	4.1	30
160	Affinity Labeling of a Single Guanine Bulge. Journal of the American Chemical Society, 2003, 125, 8972-8973.	13.7	32
161	Detection of the C-C mismatched base pair by small ligands. Nucleic Acids Symposium Series, 2003, 3, 131-132.	0.3	1
162	The binding of naphthyridine tetramer to guanine-rich sequences. Nucleic Acids Symposium Series, 2003, 3, 133-134.	0.3	1

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163	Recognition of DNA mismatch structures. Nucleic Acids Symposium Series, 2002, 2, 127-128.	0.3	1
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