## Shankar Balasubramanian

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2529444/publications.pdf Version: 2024-02-01

		2802	2448
281	43,596	94	197
papers	citations	h-index	g-index
312	312	312	38604
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	G-quadruplex DNA structures in human stem cells and differentiation. Nature Communications, 2022, 13, 142.	12.8	44
2	Early detection of cancer. Science, 2022, 375, eaay9040.	12.6	291
3	TET2 is a component of the estrogen receptor complex and controls 5mC to 5hmC conversion at estrogen receptor cis-regulatory regions. Cell Reports, 2021, 34, 108776.	6.4	20
4	G-quadruplexes are transcription factor binding hubs in human chromatin. Genome Biology, 2021, 22, 117.	8.8	130
5	Promoter G-quadruplex folding precedes transcription and is controlled by chromatin. Genome Biology, 2021, 22, 143.	8.8	56
6	Chemical profiling of DNA G-quadruplex-interacting proteins in live cells. Nature Chemistry, 2021, 13, 626-633.	13.6	82
7	Reduced Bisulfite Sequencing: Quantitative Base-Resolution Sequencing of 5-Formylcytosine. Methods in Molecular Biology, 2021, 2272, 3-12.	0.9	2
8	RNA G-quadruplex structures control ribosomal protein production. Scientific Reports, 2021, 11, 22735.	3.3	19
9	Single-cell mapping of DNA G-quadruplex structures in human cancer cells. Scientific Reports, 2021, 11, 23641.	3.3	26
10	A Spontaneous Ringâ€Opening Reaction Leads to a Repairâ€Resistant Thymine Oxidation Product in Genomic DNA. ChemBioChem, 2020, 21, 320-323.	2.6	0
11	The Structure and Function of DNA G-Quadruplexes. Trends in Chemistry, 2020, 2, 123-136.	8.5	499
12	Single-molecule visualization of DNA G-quadruplex formation in live cells. Nature Chemistry, 2020, 12, 832-837.	13.6	235
13	Landscape of G-quadruplex DNA structural regions in breast cancer. Nature Genetics, 2020, 52, 878-883.	21.4	122
14	Activation-induced cytidine deaminase localizes to G-quadruplex motifs at mutation hotspots in lymphoma. NAR Cancer, 2020, 2, zcaa029.	3.1	14
15	Selective Chemical Functionalization at N6-Methyladenosine Residues in DNA Enabled by Visible-Light-Mediated Photoredox Catalysis. Journal of the American Chemical Society, 2020, 142, 21484-21492.	13.7	24
16	Genome-wide DNA Methylation Signatures Are Determined by DNMT3A/B Sequence Preferences. Biochemistry, 2020, 59, 2541-2550.	2.5	16
17	Natural, modified DNA bases. Current Opinion in Chemical Biology, 2020, 57, 1-7.	6.1	28
18	Affinity-Selected Bicyclic Peptide G-Quadruplex Ligands Mimic a Protein-like Binding Mechanism. Journal of the American Chemical Society, 2020, 142, 8367-8373.	13.7	20

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19	The regulation and functions of DNA and RNA G-quadruplexes. Nature Reviews Molecular Cell Biology, 2020, 21, 459-474.	37.0	707
20	Unusual Activity of a <i>Chlamydomonas</i> TET/JBP Family Enzyme. Biochemistry, 2019, 58, 3627-3629.	2.5	4
21	An Activatable Cancer-Targeted Hydrogen Peroxide Probe for Photoacoustic and Fluorescence Imaging. Cancer Research, 2019, 79, 5407-5417.	0.9	31
22	Sequencing abasic sites in DNA at single-nucleotide resolution. Nature Chemistry, 2019, 11, 629-637.	13.6	52
23	METTL1 Promotes let-7 MicroRNA Processing via m7G Methylation. Molecular Cell, 2019, 74, 1278-1290.e9.	9.7	288
24	Detection, Structure and Function of Modified DNA Bases. Journal of the American Chemical Society, 2019, 141, 6420-6429.	13.7	55
25	Whole genome experimental maps of DNA G-quadruplexes in multiple species. Nucleic Acids Research, 2019, 47, 3862-3874.	14.5	280
26	Charting a course for chemistry. Nature Chemistry, 2019, 11, 286-294.	13.6	18
27	A Photoâ€responsive Smallâ€Molecule Approach for the Optoâ€epigenetic Modulation of DNA Methylation. Angewandte Chemie, 2019, 131, 6692-6696.	2.0	6
28	A Photoâ€responsive Smallâ€Molecule Approach for the Optoâ€epigenetic Modulation of DNA Methylation. Angewandte Chemie - International Edition, 2019, 58, 6620-6624.	13.8	13
29	Structure of a (3+1) hybrid G-quadruplex in the <i>PARP1</i> promoter. Nucleic Acids Research, 2019, 47, 1564-1572.	14.5	43
30	Genetic interactions of G-quadruplexes in humans. ELife, 2019, 8, .	6.0	91
31	Genome-wide mapping of endogenous G-quadruplex DNA structures by chromatin immunoprecipitation and high-throughput sequencing. Nature Protocols, 2018, 13, 551-564.	12.0	214
32	Targeting Multiple Effector Pathways in Pancreatic Ductal Adenocarcinoma with a G-Quadruplex-Binding Small Molecule. Journal of Medicinal Chemistry, 2018, 61, 2500-2517.	6.4	114
33	RNA G-quadruplexes at upstream open reading frames cause DHX36- and DHX9-dependent translation of human mRNAs. Genome Biology, 2018, 19, 229.	8.8	112
34	Analysis of NRAS RNA G-quadruplex binding proteins reveals DDX3X as a novel interactor of cellular G-quadruplex containing transcripts. Nucleic Acids Research, 2018, 46, 11592-11604.	14.5	106
35	DNA G-quadruplex structures mold the DNA methylome. Nature Structural and Molecular Biology, 2018, 25, 951-957.	8.2	185
36	5-Formylcytosine organizes nucleosomes and forms Schiff base interactions with histones in mouse embryonic stem cells. Nature Chemistry, 2018, 10, 1258-1266.	13.6	88

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37	Detecting RNA G-Quadruplexes (rG4s) in the Transcriptome. Cold Spring Harbor Perspectives in Biology, 2018, 10, a032284.	5.5	95
38	Sequencing 5â€Hydroxymethyluracil at Singleâ€Base Resolution. Angewandte Chemie, 2018, 130, 9842-9844.	2.0	3
39	NOTCH-mediated non-cell autonomous regulation of chromatin structure during senescence. Nature Communications, 2018, 9, 1840.	12.8	57
40	Sequencing 5â€Hydroxymethyluracil at Singleâ€Base Resolution. Angewandte Chemie - International Edition, 2018, 57, 9694-9696.	13.8	18
41	Structural basis of G-quadruplex unfolding by the DEAH/RHA helicase DHX36. Nature, 2018, 558, 465-469.	27.8	224
42	Selective inhibitors of trypanosomal uridylyl transferase RET1 establish druggability of RNA post-transcriptional modifications. RNA Biology, 2017, 14, 611-619.	3.1	5
43	G-quadruplex structures within the 3′ UTR of LINE-1 elements stimulate retrotransposition. Nature Structural and Molecular Biology, 2017, 24, 243-247.	8.2	58
44	2′- <i>O</i> -Methyl-5-hydroxymethylcytidine: A Second Oxidative Derivative of 5-Methylcytidine in RNA. Journal of the American Chemical Society, 2017, 139, 1766-1769.	13.7	29
45	Gender Differences in Global but Not Targeted Demethylation in iPSC Reprogramming. Cell Reports, 2017, 18, 1079-1089.	6.4	54
46	DNA G-quadruplexes in the human genome: detection, functions and therapeutic potential. Nature Reviews Molecular Cell Biology, 2017, 18, 279-284.	37.0	667
47	CX-5461 is a DNA G-quadruplex stabilizer with selective lethality in BRCA1/2 deficient tumours. Nature Communications, 2017, 8, 14432.	12.8	379
48	The Profile and Dynamics of RNA Modifications in Animals. ChemBioChem, 2017, 18, 979-984.	2.6	30
49	Synthesis and biophysical analysis of modified thymine-containing DNA oligonucleotides. Chemical Communications, 2017, 53, 1389-1392.	4.1	22
50	DNA sequencing at 40: past, present and future. Nature, 2017, 550, 345-353.	27.8	729
51	Synthesis and Multiple Incorporations of 2′â€ <i>O</i> â€Methylâ€5â€hydroxymethylcytidine, 5â€Hydroxymethylcytidine and 5â€Formylcytidine Monomers into RNA Oligonucleotides. ChemBioChem, 2017, 18, 2236-2241.	2.6	16
52	Mapping and elucidating the function of modified bases in DNA. Nature Reviews Chemistry, 2017, 1, .	30.2	73
53	Base resolution maps reveal the importance of 5-hydroxymethylcytosine in a human glioblastoma. Npj Genomic Medicine, 2017, 2, 6.	3.8	22
54	Local epigenetic reprogramming induced by G-quadruplex ligands. Nature Chemistry, 2017, 9, 1110-1117.	13.6	88

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55	Click and discover. Nature, 2017, 548, 162-164.	27.8	3
56	Machine learning model for sequence-driven DNA G-quadruplex formation. Scientific Reports, 2017, 7, 14535.	3.3	111
57	Single genome retrieval of context-dependent variability in mutation rates for human germline. BMC Genomics, 2017, 18, 81.	2.8	8
58	Genome-wide mapping of 5-hydroxymethyluracil in the eukaryote parasite Leishmania. Genome Biology, 2017, 18, 23.	8.8	50
59	In vivo genome-wide profiling reveals a tissue-specific role for 5-formylcytosine. Genome Biology, 2016, 17, 141.	8.8	58
60	Enhanced Methylation Analysis by Recovery of Unsequenceable Fragments. PLoS ONE, 2016, 11, e0152322.	2.5	13
61	Structural Analysis using SHALiPE to Reveal RNA Gâ€Quadruplex Formation in Human Precursor MicroRNA. Angewandte Chemie, 2016, 128, 9104-9107.	2.0	13
62	Identification of small molecule inhibitors of the Lin28-mediated blockage of pre-let-7g processing. Organic and Biomolecular Chemistry, 2016, 14, 10208-10216.	2.8	32
63	Retinol and ascorbate drive erasure of epigenetic memory and enhance reprogramming to naÃ <sup>-</sup> ve pluripotency by complementary mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 12202-12207.	7.1	139
64	rG4-seq reveals widespread formation of G-quadruplex structures in the human transcriptome. Nature Methods, 2016, 13, 841-844.	19.0	314
65	DSBCapture: in situ capture and sequencing of DNA breaks. Nature Methods, 2016, 13, 855-857.	19.0	120
66	G-quadruplex structures mark human regulatory chromatin. Nature Genetics, 2016, 48, 1267-1272.	21.4	683
67	An Epigeneticsâ€Inspired DNAâ€Based Data Storage System. Angewandte Chemie, 2016, 128, 11310-11314.	2.0	15
68	Structural Analysis using SHALiPE to Reveal RNA Gâ€Quadruplex Formation in Human Precursor MicroRNA. Angewandte Chemie - International Edition, 2016, 55, 8958-8961.	13.8	92
69	An Epigeneticsâ€Inspired DNAâ€Based Data Storage System. Angewandte Chemie - International Edition, 2016, 55, 11144-11148.	13.8	31
70	Long genes and genes with multiple splice variants are enriched in pathways linked to cancer and other multigenic diseases. BMC Genomics, 2016, 17, 225.	2.8	28
71	Photoactivation of Mutant Isocitrate Dehydrogenase 2 Reveals Rapid Cancer-Associated Metabolic and Epigenetic Changes. Journal of the American Chemical Society, 2016, 138, 718-721.	13.7	39
72	Dual Binding of an Antibody and a Small Molecule Increases the Stability of TERRA Gâ€Quadruplex. Angewandte Chemie, 2015, 127, 924-927.	2.0	16

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73	FOXM1 binds directly to non-consensus sequences in the human genome. Genome Biology, 2015, 16, 130.	8.8	49
74	Accurate Measurement of 5-Methylcytosine and 5-Hydroxymethylcytosine in Human Cerebellum DNA by Oxidative Bisulfite on an Array (OxBS-Array). PLoS ONE, 2015, 10, e0118202.	2.5	54
75	Dual Binding of an Antibody and a Small Molecule Increases the Stability of TERRA Gâ€Quadruplex. Angewandte Chemie - International Edition, 2015, 54, 910-913.	13.8	28
76	Insights into the mechanism of a G-quadruplex-unwinding DEAH-box helicase. Nucleic Acids Research, 2015, 43, 2223-2231.	14.5	84
77	Formation and Abundance of 5â€Hydroxymethylcytosine in RNA. ChemBioChem, 2015, 16, 752-755.	2.6	148
78	High-throughput sequencing of DNA G-quadruplex structures in the human genome. Nature Biotechnology, 2015, 33, 877-881.	17.5	954
79	5-Formylcytosine can be a stable DNA modification in mammals. Nature Chemical Biology, 2015, 11, 555-557.	8.0	225
80	Targeted Detection of Gâ€Quadruplexes in Cellular RNAs. Angewandte Chemie - International Edition, 2015, 54, 6751-6754.	13.8	77
81	Selective Chemical Labeling of Natural T Modifications in DNA. Journal of the American Chemical Society, 2015, 137, 9270-9272.	13.7	56
82	Decoding genomes. Biochemical Society Transactions, 2015, 43, 1-5.	3.4	1
83	G-quadruplex ligands exhibit differential G-tetrad selectivity. Chemical Communications, 2015, 51, 8048-8050.	4.1	78
84	Molecular signatures of plastic phenotypes in two eusocial insect species with simple societies. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13970-13975.	7.1	192
85	The Biology and Genomic Localization of Cytosine Modifications. Epigenetics and Human Health, 2015, , 167-191.	0.2	1
86	Solexa Sequencing: Decoding Genomes on a Population Scale. Clinical Chemistry, 2015, 61, 21-24.	3.2	26
87	5-Formylcytosine alters the structure of the DNA double helix. Nature Structural and Molecular Biology, 2015, 22, 44-49.	8.2	140
88	oxBS-450K: A method for analysing hydroxymethylation using 450K BeadChips. Methods, 2015, 72, 9-15.	3.8	83
89	Chemical Methods for Decoding Cytosine Modifications in DNA. Chemical Reviews, 2015, 115, 2240-2254.	47.7	110
90	Concurrent BCL2/MYC Gene Amplification Associates with Increased DNA G-Quadruplex Formation in DLBCL. Blood, 2015, 126, 2641-2641.	1.4	0

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91	Elevated Levels of G-Quadruplex Formation in Human Stomach and Liver Cancer Tissues. PLoS ONE, 2014, 9, e102711.	2.5	168
92	Determinants of G quadruplexâ€induced epigenetic instability in <scp>REV</scp> 1â€deficient cells. EMBO Journal, 2014, 33, 2507-2520.	7.8	111
93	G-quadruplexes regulate Epstein-Barr virus–encoded nuclear antigen 1 mRNA translation. Nature Chemical Biology, 2014, 10, 358-364.	8.0	220
94	Existence and consequences of G-quadruplex structures in DNA. Current Opinion in Genetics and Development, 2014, 25, 22-29.	3.3	311
95	Visualization and selective chemical targeting of RNA G-quadruplex structures in the cytoplasm of human cells. Nature Chemistry, 2014, 6, 75-80.	13.6	511
96	Suppression of the FOXM1 transcriptional programme via novel small molecule inhibition. Nature Communications, 2014, 5, 5165.	12.8	167
97	Chemical biology of genomic DNA: minimizing PCR bias. Chemical Communications, 2014, 50, 12047-12049.	4.1	5
98	Targeting a c-MYC G-quadruplex DNA with a fragment library. Chemical Communications, 2014, 50, 1704-1707.	4.1	49
99	5-Hydroxymethylcytosine is a predominantly stable DNA modification. Nature Chemistry, 2014, 6, 1049-1055.	13.6	431
100	Targeting DNA Gâ€Quadruplexes with Helical Small Molecules. ChemBioChem, 2014, 15, 2563-2570.	2.6	31
101	Nucleotide Contributions to the Structural Integrity and DNA Replication Initiation Activity of Noncoding Y RNA. Biochemistry, 2014, 53, 5848-5863.	2.5	17
102	Quantitative sequencing of 5-formylcytosine in DNA at single-base resolution. Nature Chemistry, 2014, 6, 435-440.	13.6	211
103	Reprogramming the Mechanism of Action of Chlorambucil by Coupling to a G-Quadruplex Ligand. Journal of the American Chemical Society, 2014, 136, 5860-5863.	13.7	66
104	Chemical biology on the genome. Bioorganic and Medicinal Chemistry, 2014, 22, 4356-4370.	3.0	10
105	Genome-wide mapping of FOXM1 binding reveals co-binding with estrogen receptor alpha in breast cancer cells. Genome Biology, 2013, 14, R6.	9.6	113
106	Light-mediated in cell downregulation of G-quadruplex-containing genes using a photo-caged ligand. Chemical Communications, 2013, 49, 8453.	4.1	29
107	Oxidative bisulfite sequencing of 5-methylcytosine and 5-hydroxymethylcytosine. Nature Protocols, 2013, 8, 1841-1851.	12.0	291
108	Quantitative visualization of DNA G-quadruplex structures in human cells. Nature Chemistry, 2013, 5, 182-186.	13.6	1,746

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109	An Acetyleneâ€Bridged 6,8â€Purine Dimer as a Fluorescent Switchâ€On Probe for Parallel Gâ€Quadruplexes. Angewandte Chemie - International Edition, 2013, 52, 1428-1431.	13.8	43
110	G-quadruplex structures are stable and detectable in human genomic DNA. Nature Communications, 2013, 4, 1796.	12.8	390
111	G-Quadruplex DNA as a Molecular Target for Induced Synthetic Lethality in Cancer Cells. Journal of the American Chemical Society, 2013, 135, 9640-9643.	13.7	121
112	Downregulation of Androgen Receptor Transcription by Promoter G-Quadruplex Stabilization as a Potential Alternative Treatment for Castrate-Resistant Prostate Cancer. Biochemistry, 2013, 52, 1429-1436.	2.5	23
113	Binding Interactions between Long Noncoding RNA HOTAIR and PRC2 Proteins. Biochemistry, 2013, 52, 9519-9527.	2.5	151
114	Targeting RNA–Protein Interactions within the Human Immunodeficiency Virus Type 1 Lifecycle. Biochemistry, 2013, 52, 9269-9274.	2.5	33
115	Mechanochemical Properties of Individual Human Telomeric RNA (TERRA) Gâ€Quadruplexes. ChemBioChem, 2013, 14, 1931-1935.	2.6	29
116	A screen for hydroxymethylcytosine and formylcytosine binding proteins suggests functions in transcription and chromatin regulation. Genome Biology, 2013, 14, R119.	9.6	269
117	FANCJ coordinates two pathways that maintain epigenetic stability at G-quadruplex DNA. Nucleic Acids Research, 2012, 40, 1485-1498.	14.5	184
118	An RNA Hairpin to G-Quadruplex Conformational Transition. Journal of the American Chemical Society, 2012, 134, 19953-19956.	13.7	80
119	Comparative Structural Effects of HIV-1 Gag and Nucleocapsid Proteins in Binding to and Unwinding of the Viral RNA Packaging Signal. Biochemistry, 2012, 51, 3162-3169.	2.5	17
120	Pyridostatin analogues promote telomere dysfunction and long-term growth inhibition in human cancer cells. Organic and Biomolecular Chemistry, 2012, 10, 6537.	2.8	109
121	Genome-wide distribution of 5-formylcytosine in embryonic stem cells is associated with transcription and depends on thymine DNA glycosylase. Genome Biology, 2012, 13, R69.	9.6	205
122	Innentitelbild: Selective RNA Versus DNA G-Quadruplex Targeting by Inâ€Situ Click Chemistry (Angew.) Tj ETQc	10 0 0 rgB1	/ (Overlock 1
123	Selective RNA Versus DNA Gâ€Quadruplex Targeting by Inâ€Situ Click Chemistry. Angewandte Chemie - International Edition, 2012, 51, 11073-11078.	13.8	144
124	Experimental approaches to identify cellular G-quadruplex structures and functions. Methods, 2012, 57, 84-92.	3.8	40
125	A non-canonical DNA structure is a binding motif for the transcription factor SP1 in vitro. Nucleic Acids Research, 2012, 40, 1499-1508.	14.5	169

126GENCODE: The reference human genome annotation for The ENCODE Project. Genome Research, 2012,<br/>22, 1760-1774.5.54,217

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127	An Intramolecular G-Quadruplex Structure Is Required for Binding of Telomeric Repeat-Containing RNA to the Telomeric Protein TRF2. Journal of the American Chemical Society, 2012, 134, 11974-11976.	13.7	128
128	The Kinetics and Folding Pathways of Intramolecular G-Quadruplex Nucleic Acids. Journal of the American Chemical Society, 2012, 134, 19297-19308.	13.7	135
129	Quantitative Sequencing of 5-Methylcytosine and 5-Hydroxymethylcytosine at Single-Base Resolution. Science, 2012, 336, 934-937.	12.6	850
130	Demonstration of Ligand Decoration, and Ligand-Induced Perturbation, of G-Quadruplexes in a Plasmid Using Atomic Force Microscopy. Biochemistry, 2012, 51, 578-585.	2.5	23
131	5'-UTR RNA G-quadruplexes: translation regulation and targeting. Nucleic Acids Research, 2012, 40, 4727-4741.	14.5	543
132	Small-molecule–induced DNA damage identifies alternative DNA structures in human genes. Nature Chemical Biology, 2012, 8, 301-310.	8.0	576
133	Synthesis of Bisâ€indole Carboxamides as Gâ€Quadruplex Stabilizing and Inducing Ligands. Chemistry - A European Journal, 2012, 18, 554-564.	3.3	38
134	A LIN28-Dependent Structural Change in pre-let-7g Directly Inhibits Dicer Processing. Biochemistry, 2011, 50, 7514-7521.	2.5	38
135	Sequencing nucleic acids: from chemistry to medicine. Chemical Communications, 2011, 47, 7281.	4.1	26
136	A Sequence-Independent Analysis of the Loop Length Dependence of Intramolecular RNA G-Quadruplex Stability and Topology. Biochemistry, 2011, 50, 7251-7258.	2.5	115
137	G-Quadruplex-Binding Benzo[ <i>a</i> ]phenoxazines Down-Regulate <i>c-KIT</i> Expression in Human Gastric Carcinoma Cells. Journal of the American Chemical Society, 2011, 133, 2658-2663.	13.7	139
138	The transcription factor FOXM1 is a cellular target of the natural product thiostrepton. Nature Chemistry, 2011, 3, 725-731.	13.6	223
139	A single-molecule platform for investigation of interactions between G-quadruplexes and small-molecule ligands. Nature Chemistry, 2011, 3, 782-787.	13.6	189
140	Targeting G-quadruplexes in gene promoters: a novel anticancer strategy?. Nature Reviews Drug Discovery, 2011, 10, 261-275.	46.4	1,447
141	Rudimentary G-quadruplex–based telomere capping in Saccharomyces cerevisiae. Nature Structural and Molecular Biology, 2011, 18, 478-485.	8.2	107
142	Decoding Genomes at High Speed: Implications for Science and Medicine. Angewandte Chemie - International Edition, 2011, 50, 12406-12410.	13.8	12
143	Synthesis and Binding Studies of Novel Diethynylâ€Pyridine Amides with Genomic Promoter DNA Gâ€Quadruplexes. Chemistry - A European Journal, 2011, 17, 4571-4581.	3.3	58
144	Gene inactivation and its implications for annotation in the era of personal genomics. Genes and Development, 2011, 25, 1-10.	5.9	29

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145	Small-molecule-mediated G-quadruplex isolation from human cells. Nature Chemistry, 2010, 2, 1095-1098.	13.6	166
146	Distinct functions of maternal and somatic Pat1 protein paralogs. Rna, 2010, 16, 2094-2107.	3.5	50
147	RNA Conformation in Catalytically Active Human Telomerase. Journal of the American Chemical Society, 2010, 132, 2852-2853.	13.7	15
148	The <i>BCL-2</i> 5′ Untranslated Region Contains an RNA G-Quadruplex-Forming Motif That Modulates Protein Expression. Biochemistry, 2010, 49, 8300-8306.	2.5	134
149	Targeting the <i>c-Kit</i> Promoter C-quadruplexes with 6-Substituted Indenoisoquinolines. ACS Medicinal Chemistry Letters, 2010, 1, 306-310.	2.8	67
150	Small molecule-mediated inhibition of translation by targeting a native RNA G-quadruplex. Organic and Biomolecular Chemistry, 2010, 8, 2771.	2.8	101
151	Ensemble and single molecule FRET analysis of the structure and unfolding kinetics of the c-kit promoter quadruplexes. Chemical Communications, 2010, 46, 946-948.	4.1	11
152	LIN-28 and the poly(U) polymerase PUP-2 regulate let-7 microRNA processing in Caenorhabditis elegans. Nature Structural and Molecular Biology, 2009, 16, 1016-1020.	8.2	224
153	G-quadruplex nucleic acids as therapeutic targets. Current Opinion in Chemical Biology, 2009, 13, 345-353.	6.1	532
154	A G-Rich Sequence within the <i>c-kit</i> Oncogene Promoter Forms a Parallel G-Quadruplex Having Asymmetric G-Tetrad Dynamics. Journal of the American Chemical Society, 2009, 131, 13399-13409.	13.7	195
155	Single-Molecule Analysis of the Human Telomerase RNA·Dyskerin Interaction and the Effect of Dyskeratosis Congenita Mutations. Biochemistry, 2009, 48, 10858-10865.	2.5	21
156	G-Quadruplex DNA Bound by a Synthetic Ligand is Highly Dynamic. Journal of the American Chemical Society, 2009, 131, 12522-12523.	13.7	47
157	A Small Molecule That Disrupts G-Quadruplex DNA Structure and Enhances Gene Expression. Journal of the American Chemical Society, 2009, 131, 12628-12633.	13.7	123
158	Genome-wide analysis of a G-quadruplex-specific single-chain antibody that regulates gene expression. Nucleic Acids Research, 2009, 37, 6716-6722.	14.5	75
159	Controlled-folding of a small molecule modulates DNA G-quadruplex recognition. Chemical Communications, 2009, , 80-82.	4.1	25
160	Recognition and discrimination of DNA quadruplexes by acridine-peptide conjugates. Organic and Biomolecular Chemistry, 2009, 7, 76-84.	2.8	60
161	Exploring the Differential Recognition of DNA Gâ€Quadruplex Targets by Small Molecules Using Dynamic Combinatorial Chemistry. Angewandte Chemie - International Edition, 2008, 47, 2677-2680. 	13.8	101
162	Accurate whole human genome sequencing using reversible terminator chemistry. Nature, 2008, 456, 53-59.	27.8	3,118

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163	Single-molecule analysis of human telomerase monomer. Nature Chemical Biology, 2008, 4, 287-289.	8.0	52
164	A Novel Small Molecule That Alters Shelterin Integrity and Triggers a DNA-Damage Response at Telomeres. Journal of the American Chemical Society, 2008, 130, 15758-15759.	13.7	390
165	A Sequence-Independent Study of the Influence of Short Loop Lengths on the Stability and Topology of Intramolecular DNA G-Quadruplexes. Biochemistry, 2008, 47, 689-697.	2.5	285
166	Triarylpyridines: a versatile small molecule scaffold for G-quadruplex recognition. Chemical Communications, 2008, , 1467.	4.1	74
167	Single molecule conformational analysis of DNA G-quadruplexes. Biochimie, 2008, 90, 1197-1206.	2.6	31
168	G-quadruplex recognition by bis-indole carboxamides. Chemical Communications, 2008, , 3055.	4.1	70
169	Rigid cyanine dye nucleic acid labels. Chemical Communications, 2008, , 2004.	4.1	40
170	Diarylethynyl Amides That Recognize the Parallel Conformation of Genomic Promoter DNA G-Quadruplexes. Journal of the American Chemical Society, 2008, 130, 15950-15956.	13.7	151
171	Selective Recognition of a DNA G-Quadruplex by an Engineered Antibody. Biochemistry, 2008, 47, 9365-9371.	2.5	62
172	Single molecule conformational analysis of the biologically relevant DNA G-quadruplex in the promoter of the proto-oncogene c-MYC. Chemical Communications, 2008, , 2007.	4.1	15
173	Position and Stability Are Determining Factors for Translation Repression by an RNA G-Quadruplex-Forming Sequence within the 5′ UTR of the <i>NRAS</i> Proto-oncogene. Biochemistry, 2008, 47, 12664-12669.	2.5	104
174	FANCJ Is a Structure-specific DNA Helicase Associated with the Maintenance of Genomic G/C Tracts. Journal of Biological Chemistry, 2008, 283, 36132-36139.	3.4	207
175	G-quadruplexes: the beginning and end of UTRs. Nucleic Acids Research, 2008, 36, 6260-6268.	14.5	367
176	Massively Parallel Synthetic Sequencing of DNA on Clonal Arrays. Nucleic Acids Symposium Series, 2007, 51, 107-107.	0.3	0
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