### Tom Brown

## List of Publications by Citations

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#	Paper	IF	Citations
383	Click chemistry with DNA. Chemical Society Reviews, <b>2010</b> , 39, 1388-405	58.5	601
382	Detection of PCR products using self-probing amplicons and fluorescence. <i>Nature Biotechnology</i> , <b>1999</b> , 17, 804-7	44.5	596
381	The structural basis of specific base-excision repair by uracil-DNA glycosylase. <i>Nature</i> , <b>1995</b> , 373, 487-9	3 50.4	377
380	Intrauterine parvovirus infection associated with hydrops fetalis. <i>Lancet, The</i> , <b>1984</b> , 2, 1033-4	40	334
379	Structure of an adenine-cytosine base pair in DNA and its implications for mismatch repair. <i>Nature</i> , <b>1986</b> , 320, 552-5	50.4	279
378	Mode of action and application of Scorpion primers to mutation detection. <i>Nucleic Acids Research</i> , <b>2000</b> , 28, 3752-61	20.1	242
377	Template-directed oligonucleotide strand ligation, covalent intramolecular DNA circularization and catenation using click chemistry. <i>Journal of the American Chemical Society</i> , <b>2007</b> , 129, 6859-64	16.4	231
376	Crystal structure of a G:T/U mismatch-specific DNA glycosylase: mismatch recognition by complementary-strand interactions. <i>Cell</i> , <b>1998</b> , 92, 117-29	56.2	222
375	Fluorescence based strategies for genetic analysis. <i>Chemical Communications</i> , <b>2005</b> , 5487-502	5.8	221
374	Molecular structure of the G.A base pair in DNA and its implications for the mechanism of transversion mutations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1986</b> , 83, 2402-6	11.5	220
373	Crystal structure of a DNA duplex containing 8-hydroxydeoxyguanine-adenine base pairs. <i>Biochemistry</i> , <b>1994</b> , 33, 10266-70	3.2	<b>2</b> 10
372	Quenching of CdSe quantum dot emission, a new approach for biosensing. <i>Chemical Communications</i> , <b>2005</b> , 3201-3	5.8	179
371	Click nucleic acid ligation: applications in biology and nanotechnology. <i>Accounts of Chemical Research</i> , <b>2012</b> , 45, 1258-67	24.3	155
370	SERS-melting: a new method for discriminating mutations in DNA sequences. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 15589-601	16.4	151
369	Nucleic acid base analog FRET-pair facilitating detailed structural measurements in nucleic acid containing systems. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 4288-93	16.4	145
368	Characterization and use of an unprecedentedly bright and structurally non-perturbing fluorescent DNA base analogue. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, 157-67	20.1	144
367	Highly Sensitive DNA Sensor Based on Upconversion Nanoparticles and Graphene Oxide. <i>ACS Applied Materials &amp; Diterfaces</i> , <b>2015</b> , 7, 12422-9	9.5	143

# (2007-2002)

366	High throughput measurement of duplex, triplex and quadruplex melting curves using molecular beacons and a LightCycler. <i>Nucleic Acids Research</i> , <b>2002</b> , 30, e39	20.1	136
365	The contribution of cytosine protonation to the stability of parallel DNA triple helices. <i>Journal of Molecular Biology</i> , <b>1998</b> , 275, 811-22	6.5	135
364	Intramolecular DNA quadruplexes with different arrangements of short and long loops. <i>Nucleic Acids Research</i> , <b>2007</b> , 35, 4214-22	20.1	132
363	High-resolution structure of a DNA helix containing mismatched base pairs. <i>Nature</i> , <b>1985</b> , 315, 604-6	50.4	132
362	Four base recognition by triplex-forming oligonucleotides at physiological pH. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 3025-32	20.1	127
361	The structure of guanosine-thymidine mismatches in B-DNA at 2.5-A resolution <i>Journal of Biological Chemistry</i> , <b>1987</b> , 262, 9962-9970	5.4	127
360	Chiral phosphorothioate analogues of B-DNA. The crystal structure of Rp-d[Gp(S)CpGp(S)CpGp(S)C]. <i>Journal of Molecular Biology</i> , <b>1986</b> , 192, 891-905	6.5	122
359	Synthesis and physical properties of anti-HIV antisense oligonucleotides bearing terminal lipophilic groups. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 3411-7	20.1	121
358	The structure of guanosine-thymidine mismatches in B-DNA at 2.5-A resolution. <i>Journal of Biological Chemistry</i> , <b>1987</b> , 262, 9962-70	5.4	121
357	Biocompatible artificial DNA linker that is read through by DNA polymerases and is functional in Escherichia coli. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 11338-43	11.5	119
356	Crystal structure and stability of a DNA duplex containing A(anti).G(syn) base-pairs. <i>Journal of Molecular Biology</i> , <b>1989</b> , 207, 455-7	6.5	115
355	New strategy for the synthesis of chemically modified RNA constructs exemplified by hairpin and hammerhead ribozymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 15329-34	11.5	110
354	Sequence effects of single base loops in intramolecular quadruplex DNA. FEBS Letters, 2007, 581, 1657-	- <b>6</b> ,08	109
353	Duplex Scorpion primers in SNP analysis and FRET applications. <i>Nucleic Acids Research</i> , <b>2001</b> , 29, E96	20.1	109
352	Crystal structure of an octameric RuvA-Holliday junction complex. <i>Molecular Cell</i> , <b>1998</b> , 2, 361-72	17.6	108
351	Crystal structure of a thwarted mismatch glycosylase DNA repair complex. <i>EMBO Journal</i> , <b>1999</b> , 18, 659	9 <u>⊦</u> €09	108
350	Interaction of berenil with the EcoRI dodecamer d(CGCGAATTCGCG)2 in solution studied by NMR. <i>Biochemistry</i> , <b>1991</b> , 30, 1372-85	3.2	108
349	Effect of G-tract length on the topology and stability of intramolecular DNA quadruplexes. <i>Biochemistry</i> , <b>2007</b> , 46, 3036-44	3.2	105

348	Influence of pH on the conformation and stability of mismatch base-pairs in DNA. <i>Journal of Molecular Biology</i> , <b>1990</b> , 212, 437-40	6.5	105
347	Fluorescent properties of DNA base analogue tC upon incorporation into DNAnegligible influence of neighbouring bases on fluorescence quantum yield. <i>Nucleic Acids Research</i> , <b>2005</b> , 33, 5019-25	20.1	104
346	Comparison of the thermodynamic stabilities and solution conformations of DNA.RNA hybrids containing purine-rich and pyrimidine-rich strands with DNA and RNA duplexes. <i>Biochemistry</i> , <b>1996</b> , 35, 12538-48	3.2	103
345	An autonomous molecular assembler for programmable chemical synthesis. <i>Nature Chemistry</i> , <b>2016</b> , 8, 542-8	17.6	103
344	Solution structures of DNA.RNA hybrids with purine-rich and pyrimidine-rich strands: comparison with the homologous DNA and RNA duplexes. <i>Biochemistry</i> , <b>1998</b> , 37, 73-80	3.2	101
343	G . T base-pairs in a DNA helix: the crystal structure of d(G-G-G-G-T-C-C-C). <i>Journal of Molecular Biology</i> , <b>1985</b> , 186, 805-14	6.5	100
342	Synthesis and polymerase chain reaction amplification of DNA strands containing an unnatural triazole linkage. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 3958-64	16.4	95
341	Structural and thermodynamic studies on the adenine.guanine mismatch in B-DNA. <i>Nucleic Acids Research</i> , <b>1990</b> , 18, 5617-23	20.1	95
340	High-resolution structure of a mutagenic lesion in DNA. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1990</b> , 87, 9573-6	11.5	90
339	Fast copper-free click DNA ligation by the ring-strain promoted alkyne-azide cycloaddition reaction. <i>Chemical Communications</i> , <b>2011</b> , 47, 6257-9	5.8	88
338	A label-free, electrochemical SERS-based assay for detection of DNA hybridization and discrimination of mutations. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 14099-107	16.4	86
337	Crystal structure of a berenil-dodecanucleotide complex: the role of water in sequence-specific ligand binding <i>EMBO Journal</i> , <b>1990</b> , 9, 1329-1334	13	86
336	Graphene Oxide-Upconversion Nanoparticle Based Optical Sensors for Targeted Detection of mRNA Biomarkers Present in Alzheimer Disease and Prostate Cancer. ACS Sensors, 2017, 2, 52-56	9.2	85
335	HyBeacon probes: a new tool for DNA sequence detection and allele discrimination. <i>Molecular and Cellular Probes</i> , <b>2001</b> , 15, 363-74	3.3	85
334	Rapid and efficient DNA strand cross-linking by click chemistry. ChemBioChem, 2008, 9, 1280-5	3.8	75
333	Tension induces a base-paired overstretched DNA conformation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 15179-84	11.5	74
332	Multiplexed mRNA Sensing and Combinatorial-Targeted Drug Delivery Using DNA-Gold Nanoparticle Dimers. <i>ACS Nano</i> , <b>2018</b> , 12, 3333-3340	16.7	73
331	DNA adopts normal B-form upon incorporation of highly fluorescent DNA base analogue tC: NMR structure and UV-Vis spectroscopy characterization. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, 5087-95	20.1	73

330	Crystal and molecular structure of r(CGCGAAUUAGCG): an RNA duplex containing two G(anti).A(anti) base pairs. <i>Structure</i> , <b>1994</b> , 2, 483-94	5.2	70
329	Structural features and hydration of d(C-G-C-G-A-A-T-T-A-G-C-G); a double helix containing two G.A mispairs. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>1986</b> , 4, 173-91	3.6	70
328	Affinity of mismatch-binding protein MutS for heteroduplexes containing different mismatches. <i>Biochemical Journal</i> , <b>2001</b> , 354, 627-633	3.8	69
327	5-(1-propargylamino)-2Pdeoxyuridine (UP): a novel thymidine analogue for generating DNA triplexes with increased stability. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 1802-9	20.1	68
326	Do C-HO hydrogen bonds contribute to the stability of nucleic acid base pairs?. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>1995</b> , 51, 136-9		66
325	Self-association of a DNA loop creates a quadruplex: crystal structure of d(GCATGCT) at 1.8 A resolution. <i>Structure</i> , <b>1995</b> , 3, 335-40	5.2	66
324	Inosine.adenine base pairs in a B-DNA duplex. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 7935-49	20.1	65
323	Structural features and hydration of a dodecamer duplex containing two C.A mispairs. <i>Nucleic Acids Research</i> , <b>1987</b> , 15, 6589-606	20.1	65
322	Refined crystal structure of an octanucleotide duplex with G . T mismatched base-pairs. <i>Journal of Molecular Biology</i> , <b>1986</b> , 190, 605-18	6.5	65
321	Hydroxylation of methylated CpG dinucleotides reverses stabilisation of DNA duplexes by cytosine 5-methylation. <i>Chemical Communications</i> , <b>2011</b> , 47, 5325-7	5.8	60
320	Transcription of click-linked DNA in human cells. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 2362-5	16.4	59
319	Coralyne has a preference for intercalation between TA.T triples in intramolecular DNA triple helices. <i>Nucleic Acids Research</i> , <b>1997</b> , 25, 1890-6	20.1	58
318	Very stable mismatch duplexes: structural and thermodynamic studies on tandem G.A mismatches in DNA. <i>Biochemistry</i> , <b>1992</b> , 31, 12083-6	3.2	57
317	A very stable cyclic DNA miniduplex with just two base pairs. <i>ChemBioChem</i> , <b>2008</b> , 9, 50-2	3.8	56
316	Solution conformation of a parallel DNA triple helix with 5Pand 3Ptriplex-duplex junctions. <i>Structure</i> , <b>1999</b> , 7, 1-11	5.2	56
315	Non-covalent single transcription factor encapsulation inside a DNA cage. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 2284-8	16.4	55
314	DNA duplexes stabilized by modified monomer residues: synthesis and stability. <i>Journal of the Chemical Society Perkin Transactions</i> 1, <b>1998</b> , 1131-1138		55
313	Fast and efficient DNA crosslinking and multiple orthogonal labelling by copper-free click chemistry. <i>Chemical Communications</i> , <b>2012</b> , 48, 11184-6	5.8	54

312	Triplex addressability as a basis for functional DNA nanostructures. <i>Nano Letters</i> , <b>2007</b> , 7, 3832-9	11.5	54
311	Thermodynamic and kinetic stability of intermolecular triple helices containing different proportions of C+*GC and T*AT triplets. <i>Nucleic Acids Research</i> , <b>2003</b> , 31, 5598-606	20.1	54
310	Genomic sequence correction by single-stranded DNA oligonucleotides: role of DNA synthesis and chemical modifications of the oligonucleotide ends. <i>Journal of Gene Medicine</i> , <b>2005</b> , 7, 1534-44	3.5	54
309	Phospholipid membranes decorated by cholesterol-based oligonucleotides as soft hybrid nanostructures. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 10942-52	3.4	53
308	Ultrasensitive fluorescence-based methods for nucleic acid detection: towards amplification-free genetic analysis. <i>Chemical Communications</i> , <b>2011</b> , 47, 3717-35	5.8	52
307	Comparison of the electrophoretic and hydrodynamic properties of DNA and RNA oligonucleotide duplexes. <i>Biophysical Journal</i> , <b>1997</b> , 73, 1532-8	2.9	52
306	Barnase has subsites that give rise to large rate enhancements. <i>Biochemistry</i> , <b>1992</b> , 31, 6390-5	3.2	52
305	Structural characterisation of the bromouracil.guanine base pair mismatch in a Z-DNA fragment. <i>Nucleic Acids Research</i> , <b>1986</b> , 14, 1801-9	20.1	52
304	Structural insights into how 5-hydroxymethylation influences transcription factor binding. <i>Chemical Communications</i> , <b>2014</b> , 50, 1794-6	5.8	51
303	Functionalizing designer DNA crystals with a triple-helical veneer. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 3979-82	16.4	51
302	Naphthalenyl- and anthracenyl-ethynyl dT analogues as base discriminating fluorescent nucleosides and intramolecular energy transfer donors in oligonucleotide probes. <i>Tetrahedron</i> , <b>2007</b> , 63, 3483-3490	2.4	51
301	Addressable high-information-density DNA nanostructures. <i>Chemical Physics Letters</i> , <b>2007</b> , 440, 125-129	92.5	51
300	Structural and mechanistic basis of penicillin-binding protein inhibition by lactivicins. <i>Nature Chemical Biology</i> , <b>2007</b> , 3, 565-9	11.7	51
299	N.m.r. determination of the solution conformation and dynamics of the A.G mismatch in the d(CGCAAATTGGCG)2 dodecamer. <i>Biochemical Journal</i> , <b>1991</b> , 279 ( Pt 1), 269-81	3.8	51
298	Solution conformation of a deoxynucleotide containing tandem G.A mismatched base pairs and 3Poverhanging ends in d(GTGAACTT)2. <i>Biochemistry</i> , <b>1992</b> , 31, 12087-95	3.2	51
297	Conformational properties of the G.G mismatch in d(CGCGAATTGGCG)2 determined by NMR. <i>Biochemistry</i> , <b>1992</b> , 31, 5411-22	3.2	51
296	Conformation of guanine-8-oxoadenine base pairs in the crystal structure of d(CGCGAATT(O8A)GCG). <i>Biochemistry</i> , <b>1992</b> , 31, 8415-20	3.2	51
295	Gold nanoparticles and fluorescently-labelled DNA as a platform for biological sensing. <i>Nanoscale</i> , <b>2013</b> , 5, 9503-10	7.7	50

### (2010-1989)

294	A new base-stable linker for solid-phase oligonucleotide synthesis. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1989</b> , 891		50	
293	Graphene Oxide-Upconversion Nanoparticle Based Portable Sensors for Assessing Nutritional Deficiencies in Crops. <i>ACS Nano</i> , <b>2018</b> , 12, 6273-6279	16.7	49	
292	Conformational and Thermodynamic Properties of Parallel Intramolecular Triple Helices Containing a DNA, RNA, or 2EDMeDNA Third Strand. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 11063-110	<del>16</del> .4	49	
291	NMR assignments and solution conformation of the DNA.RNA hybrid duplex d(GTGAACTT).r(AAGUUCAC). <i>FEBS Journal</i> , <b>1993</b> , 215, 297-306		49	
290	Refined crystal structure of an octanucleotide duplex with I.T. mismatched base pairs. <i>Nucleic Acids Research</i> , <b>1989</b> , 17, 55-72	20.1	49	
289	Copper-free click chemistry as an emerging tool for the programmed ligation of DNA-functionalised gold nanoparticles. <i>Nanoscale</i> , <b>2013</b> , 5, 7209-12	7.7	48	
288	Assembly of a biocompatible triazole-linked gene by one-pot click-DNA ligation. <i>Nature Chemistry</i> , <b>2017</b> , 9, 1089-1098	17.6	47	
287	Efficient RNA synthesis by in vitro transcription of a triazole-modified DNA template. <i>Chemical Communications</i> , <b>2011</b> , 47, 12057-8	5.8	47	
286	Formation of stable DNA triplexes. <i>Biochemical Society Transactions</i> , <b>2011</b> , 39, 629-34	5.1	47	
285	The crystal structure of the RNA/DNA hybrid r(GAAGAGAAGC). d(GCTTCTCTTC) shows significant differences to that found in solution. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 555-61	20.1	47	
284	Replication Fork Reversal during DNA Interstrand Crosslink Repair Requires CMG Unloading. <i>Cell Reports</i> , <b>2018</b> , 23, 3419-3428	10.6	46	
283	Affinity of mismatch-binding protein MutS for heteroduplexes containing different mismatches. <i>Biochemical Journal</i> , <b>2001</b> , 354, 627-33	3.8	46	
282	An extra dimension in nucleic acid sequence recognition. Quarterly Reviews of Biophysics, 2005, 38, 311-2	2 <del>,</del> 0	45	
281	Stable DNA triple helix formation using oligonucleotides containing 2Paminoethoxy,5-propargylamino-U. <i>Biochemistry</i> , <b>2002</b> , 41, 7224-31	3.2	45	
280	Redox Capacitive Assaying of C-Reactive Protein at a Peptide Supported Aptamer Interface. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 3005-3008	7.8	44	
279	Assessing the biocompatibility of click-linked DNA in Escherichia coli. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 10567-75	20.1	44	
278	Membrane-anchored DNA assembly for energy and electron transfer. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 2831-9	16.4	44	
277	Functionalized nanostructures: redox-active porphyrin anchors for supramolecular DNA assemblies. <i>ACS Nano</i> , <b>2010</b> , 4, 5037-46	16.7	43	

276	Direct measurement of the substrate preference of uracil-DNA glycosylase. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 45-50	5.4	43
275	Synthesis and properties of DNA-PNA chimeric oligomers. <i>Nucleic Acids Research</i> , <b>1996</b> , 24, 3357-63	20.1	43
274	Azide and trans-cyclooctene dUTPs: incorporation into DNA probes and fluorescent click-labelling. <i>Analyst, The</i> , <b>2015</b> , 140, 2671-8	5	41
273	Characterization of photophysical and base-mimicking properties of a novel fluorescent adenine analogue in DNA. <i>Nucleic Acids Research</i> , <b>2011</b> , 39, 4513-24	20.1	41
272	Attachment of vitamin E derivatives to oligonucleotides during solid-phase synthesis. <i>Tetrahedron Letters</i> , <b>1992</b> , 33, 2729-2732	2	40
271	A Hitchhikerß Guide to Click-Chemistry with Nucleic Acids. <i>Chemical Reviews</i> , <b>2021</b> , 121, 7122-7154	68.1	40
270	Toward Complete Sequence Flexibility of Nucleic Acid Base Analogue FRET. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 9271-9280	16.4	39
269	RPA activates the XPF-ERCC1 endonuclease to initiate processing of DNA interstrand crosslinks. <i>EMBO Journal</i> , <b>2017</b> , 36, 2047-2060	13	39
268	Dynamics of the 4D genome during in vivo lineage specification and differentiation. <i>Nature Communications</i> , <b>2020</b> , 11, 2722	17.4	39
267	Structure and dynamics of triazole-linked DNA: biocompatibility explained. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 14714-7	4.8	39
266	Stable recognition of TA interruptions by triplex forming oligonucleotides containing a novel nucleoside. <i>Biochemistry</i> , <b>2005</b> , 44, 5884-92	3.2	39
265	Guanine-1,N6-ethenoadenine base pairs in the crystal structure of d(CGCGAATT(epsilon dA)GCG). <i>Biochemistry</i> , <b>1994</b> , 33, 4755-61	3.2	39
264	Solution conformation of an intramolecular DNA triplex containing a nonnucleotide linker: comparison with the DNA duplex. <i>Biochemistry</i> , <b>1997</b> , 36, 14502-11	3.2	38
263	Recognition of CG inversions in DNA triple helices by methylated 3H-pyrrolo[2,3-d]pyrimidin-2(7H)-one nucleoside analogues. <i>Chemical Communications</i> , <b>2005</b> , 2555-7	5.8	38
262	Hydration of the RNA duplex r(CGCAAAUUUGCG)2 determined by NMR. <i>Nucleic Acids Research</i> , <b>1996</b> , 24, 3693-9	20.1	37
261	The conformational variability of an adenosine.inosine base-pair in a synthetic DNA dodecamer. <i>Nucleic Acids Research</i> , <b>1992</b> , 20, 4753-9	20.1	37
260	5-Formylcytosine does not change the global structure of DNA. <i>Nature Structural and Molecular Biology</i> , <b>2017</b> , 24, 544-552	17.6	35
259	Self-assembled DNA-based fluorescence waveguide with selectable output. <i>Small</i> , <b>2011</b> , 7, 3178-85	11	35

258	Cholesteryl-conjugated phosphorothioate oligodeoxynucleotides modulate CYP2B1 expression in vivo. <i>Journal of Drug Targeting</i> , <b>1995</b> , 2, 477-85	5.4	35	
257	Efficient reverse click labeling of azide oligonucleotides with multiple alkynyl Cy-Dyes applied to the synthesis of HyBeacon probes for genetic analysis. <i>Tetrahedron</i> , <b>2012</b> , 68, 857-864	2.4	34	
256	Simplified sample preparation for the analysis of oligonucleotides by matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>1999</b> , 13, 1717-23	2.2	34	
255	Quadracyclic adenine: a non-perturbing fluorescent adenine analogue. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 5987-97	4.8	33	
254	Modulation of density and orientation of amphiphilic DNA anchored to phospholipid membranes. I. Supported lipid bilayers. <i>Journal of Physical Chemistry B</i> , <b>2010</b> , 114, 7338-47	3.4	33	
253	Selectivity and affinity of triplex-forming oligonucleotides containing 2Paminoethoxy-5-(3-aminoprop-1-ynyl)uridine for recognizing AT base pairs in duplex DNA. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, 4439-47	20.1	33	
252	First synthesis of 1-deazacytidine, the C-nucleoside analogue of cytidine. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 3121-3123	2	33	
251	Novel method for detection, typing, and quantification of human papillomaviruses in clinical samples. <i>Journal of Clinical Microbiology</i> , <b>2001</b> , 39, 3204-12	9.7	33	
250	A new modular approach to nanoassembly: stable and addressable DNA nanoconstructs via orthogonal click chemistries. <i>ACS Nano</i> , <b>2012</b> , 6, 9221-8	16.7	32	
249	Synthesis and oligonucleotide incorporation of fluorescent cytosine analogue tC: a promising nucleic acid probe. <i>Nature Protocols</i> , <b>2007</b> , 2, 615-23	18.8	32	
248	A New Platinum Anticancer Drug Forms a Highly Stereoselective Adduct with Duplex DNA. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 2060-2063	16.4	32	
247	An artificial triazole backbone linkage provides a split-and-click strategy to bioactive chemically modified CRISPR sgRNA. <i>Nature Communications</i> , <b>2019</b> , 10, 1610	17.4	31	
246	Solid phase click ligation for the synthesis of very long oligonucleotides. <i>Chemical Communications</i> , <b>2013</b> , 49, 6959-61	5.8	31	
245	Stabilisation of self-assembled DNA crystals by triplex-directed photo-cross-linking. <i>Chemical Communications</i> , <b>2016</b> , 52, 8014-7	5.8	30	
244	Denaturation of dsDNA immobilised at a negatively charged gold electrode is not caused by electrostatic repulsion. <i>Chemical Science</i> , <b>2013</b> , 4, 1625	9.4	30	
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