

# Qianfan Yang

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,229  
citations

361296

20  
h-index

377752

34  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1273  
citing authors

#	ARTICLE	IF	CITATIONS
1	The CRISPR-Cas toolbox for analytical and diagnostic assay development. <i>Chemical Society Reviews</i> , 2021, 50, 11844-11869.	18.7	102
2	Verification of specific G-quadruplex structure by using a novel cyanine dye supramolecular assembly: I. Recognizing mixed G-quadruplex in human telomeres. <i>Chemical Communications</i> , 2009, , 1103.	2.2	84
3	Verification of specific G-quadruplex structure by using a novel cyanine dye supramolecular assembly: II. The binding characterization with specific intramolecular G-quadruplex and the recognizing mechanism. <i>Nucleic Acids Research</i> , 2010, 38, 1022-1033.	6.5	74
4	The antimicrobial properties of some copper(II) and platinum(II) 1,10-phenanthroline complexes. <i>Dalton Transactions</i> , 2013, 42, 3196-3209.	1.6	68
5	A dual-site simultaneous binding mode in the interaction between parallel-stranded G-quadruplex [d(TCGCGT)] <sub>4</sub> and cyanine dye 2,2'-diethyl-9-methyl-selenacarboxyanine bromide. <i>Nucleic Acids Research</i> , 2013, 41, 2709-2722.	6.5	66
6	Directly lighting up RNA G-quadruplexes from test tubes to living human cells. <i>Nucleic Acids Research</i> , 2015, 43, gkv1040.	6.5	60
7	Thrombin Ultrasensitive Detection Based on Chiral Supramolecular Assembly Signal-Amplified Strategy Induced by Thrombin-Binding Aptamer. <i>Analytical Chemistry</i> , 2017, 89, 548-551.	3.2	51
8	A colorimetric lead (II) ions sensor based on selective recognition of G-quadruplexes by a clip-like cyanine dye. <i>Talanta</i> , 2015, 136, 210-214.	2.9	45
9	Screening Potential Antitumor Agents from Natural Plant Extracts by G-Quadruplex Recognition and NMR Methods. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5590-5592.	7.2	44
10	G4LDB 2.2: a database for discovering and studying G-quadruplex and i-Motif ligands. <i>Nucleic Acids Research</i> , 2022, 50, D150-D160.	6.5	43
11	Verification of Intramolecular Hybrid/Parallel G-Quadruplex Structure under Physiological Conditions Using Novel Cyanine Dye H-Aggregates: Both in Solution and on Au Film. <i>Analytical Chemistry</i> , 2010, 82, 9135-9137.	3.2	42
12	Quantification of the Na <sup>+</sup> /K <sup>+</sup> ratio based on the different response of a newly identified G-quadruplex to Na <sup>+</sup> and K <sup>+</sup> . <i>Chemical Communications</i> , 2013, 49, 4510.	2.2	42
13	Recent advances in nanomaterial-enhanced enzyme-linked immunosorbent assays. <i>Analyst</i> , The, 2020, 145, 4069-4078.	1.7	42
14	A colorimetric and fluorometric dual-modal supramolecular chemosensor and its application for HSA detection. <i>Analyst</i> , The, 2014, 139, 581-584.	1.7	41
15	Construction of DNA logic gates utilizing a H <sup>+</sup> /Ag <sup>+</sup> induced i-motif structure. <i>Chemical Communications</i> , 2014, 50, 15385-15388.	2.2	40
16	Colorimetric detection of sodium ion in serum based on the G-quadruplex conformation related DNzyme activity. <i>Analytica Chimica Acta</i> , 2016, 912, 133-138.	2.6	32
17	i-Motif-modulated fluorescence detection of silver(I) with an ultrahigh specificity. <i>Analytica Chimica Acta</i> , 2015, 857, 79-84.	2.6	26
18	Controllable cy3-MTC-dye aggregates and its applications served as a chemosensor. <i>Dyes and Pigments</i> , 2015, 122, 382-388.	2.0	25

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19	A newly identified G-quadruplex as a potential target regulating Bcl-2 expression. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 3052-3057.	1.1	24
20	Controllable assembly and cycling conversion of various supramolecular aggregates of a cyanine dye. <i>Applied Physics Letters</i> , 2011, 98, 031103.	1.5	21
21	Chiral Transformation of Cyanine Dye Aggregates Induced by Small Peptides. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8783-8787.	1.2	20
22	A versatile DNA-supramolecule logic platform for multifunctional information processing. <i>NPG Asia Materials</i> , 2018, 10, 497-508.	3.8	19
23	Formation of Human Telomeric G-quadruplex Structures Induced by the Quaternary Benzophenanthridine Alkaloids: Sanguinarine, Nitidine, and Chelerythrine. <i>Chinese Journal of Chemistry</i> , 2010, 28, 771-780.	2.6	17
24	Intelligent Sensors of Lead Based on a Reconfigurable DNA-Supramolecule Logic Platform. <i>Analytical Chemistry</i> , 2018, 90, 10585-10590.	3.2	17
25	Probing the Formation Kinetics and Thermodynamics with Rationally Designed Analytical Tools Enables One-Pot Synthesis and Purification of a Tetrahedral DNA Nanostructure. <i>Analytical Chemistry</i> , 2021, 93, 7045-7053.	3.2	17
26	Distinct G-quadruplex structures of human telomeric DNA formed by the induction of sanguinarine and nitidine under salt-deficient condition. <i>FÄ-toterapÄ-Äç</i> , 2010, 81, 1026-1032.	1.1	16
27	A colorimetric temperature sensor of a cyanine dye supramolecule and its application in reversible switch. <i>Applied Physics Letters</i> , 2014, 105, 071914.	1.5	14
28	A novel signal-amplified strategy based on assembly reactivation for highly specific and sensitive detection of chair-like antiparallel G-quadruplex. <i>Analyst, The</i> , 2013, 138, 798-804.	1.7	13
29	A Novel Reconfigurable Logic Unit Based on the DNA-templated Potassium-Dependent Supramolecular Assembly. <i>Chemistry - A European Journal</i> , 2018, 24, 4019-4025.	1.7	13
30	Versatile and Homogeneous DNA Tetraplex Platform for Constructing Label-Free Logic Devices: From Design to Application. <i>Chemistry - A European Journal</i> , 2019, 25, 6996-7003.	1.7	12
31	Recent Progress in Fluorescence Signal Design for DNA-Based Logic Circuits. <i>Chemistry - A European Journal</i> , 2019, 25, 5389-5405.	1.7	12
32	Novel dual-functional regulation of a chair-like antiparallel G-quadruplex inducing assembly-disassembly of a cyanine dye. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 5758.	1.3	11
33	Recognizing Hybrid/Mixed G-quadruplex in Human Telomeres by Using a Cyanine Dye Supramolecule with Confocal Laser Scanning Microscopy. <i>Chinese Journal of Chemistry</i> , 2010, 28, 1126-1132.	2.6	9
34	A comparative study for recognizing G-quadruplexes using dimeric cyanine dyes with different sizes of aromatic substituents. <i>Analytical Methods</i> , 2015, 7, 5483-5489.	1.3	9
35	Specific identification of human transferrin conformations using a cyanine dye supramolecular assembly. <i>RSC Advances</i> , 2017, 7, 44904-44907.	1.7	8
36	A resettable supramolecular platform for constructing scalable encoders. <i>Chemical Communications</i> , 2019, 55, 8005-8008.	2.2	7

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37	A supramolecular aggregation-based constitutional dynamic network for information processing. <i>Chemical Science</i> , 2020, 11, 9617-9622.	3.7	7
38	A Rapid Colorimetric Method to Visualize Protein Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 6727-6731.	1.7	6
39	A Visibly Observable, Programmable Supramolecular Logic Platform and Its Application in Smart Thiols Sensing. <i>Chemistry - A European Journal</i> , 2019, 25, 5691-5697.	1.7	6
40	Information processing using an integrated DNA reaction network. <i>Nanoscale</i> , 2021, 13, 5706-5713.	2.8	6
41	Construction of a novel DNA-based comparator and its application in intelligent analysis. <i>Nanoscale</i> , 2019, 11, 16241-16244.	2.8	5
42	Roles of flanking sequences in the binding between unimolecular parallel-stranded G-quadruplexes and ligands. <i>Science Bulletin</i> , 2013, 58, 731-740.	1.7	3
43	The Construction of DNA Logic Gates Restricted to Certain Live Cells Based on the Structure Programmability and Aptamer-Cell Affinity of G-Quadruplexes. <i>Chemistry - A European Journal</i> , 2021, 27, 11627-11632.	1.7	3
44	An important functional group, benzo[1,3]dioxole, of alkaloids induces the formation of the human telomeric DNA G-quadruplex. <i>Science Bulletin</i> , 2011, 56, 613-617.	1.7	2
45	A Spectroscopic Study of the Interaction between Cyanine Dyes with Different Skeleton Structures and Transferrin. <i>ChemistrySelect</i> , 2018, 3, 12742-12747.	0.7	2
46	INTERACTION BETWEEN AGGREGATES OF CYANINE DYES AND BIOMOLECULES. , 2012, , 155-180.		0
47	Frontispiece: A Novel Reconfigurable Logic Unit Based on the DNA-Templated Potassium-Concentration-Dependent Supramolecular Assembly. <i>Chemistry - A European Journal</i> , 2018, 24, .	1.7	0
48	Frontispiece: Recent Progress in Fluorescence Signal Design for DNA-Based Logic Circuits. <i>Chemistry - A European Journal</i> , 2019, 25, .	1.7	0