

Ya-Lin Tang

List of Publications by Year in descending order

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Version: 2024-02-01

108
papers

2,264
citations

236925

25
h-index

265206

42
g-index

110
all docs

110
docs citations

110
times ranked

2342
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | G4LDB 2.2: a database for discovering and studying G-quadruplex and i-Motif ligands. <i>Nucleic Acids Research</i> , 2022, 50, D150-D160. | 14.5 | 43 |
| 2 | An organic molecular compound for <i>in situ</i> identification of mitochondrial G-quadruplexes in live cells. <i>Journal of Materials Chemistry B</i> , 2022, 10, 430-437. | 5.8 | 15 |
| 3 | Highly selective recognition of intramolecular parallel G-quadruplex using a chiral supramolecular probe. <i>Dyes and Pigments</i> , 2021, 185, 108882. | 3.7 | 6 |
| 4 | Selective recognition of DNA parallel G-quadruplexes by 3,8a-disubstituted indolizinones. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 29, 115848. | 3.0 | 0 |
| 5 | Chelerythrine as a fluorescent light-up ligand for an i-motif DNA structure. <i>New Journal of Chemistry</i> , 2021, 45, 28-31. | 2.8 | 8 |
| 6 | NMR-based plasma metabolomics of adult B-cell acute lymphoblastic leukemia. <i>Molecular Omics</i> , 2021, 17, 153-159. | 2.8 | 9 |
| 7 | c-Myc G-quadruplex is sensitively and specifically recognized by a fluorescent probe. <i>Talanta</i> , 2021, 226, 122125. | 5.5 | 5 |
| 8 | A hybrid aggregate FRET probe from the mixed assembly of cyanine dyes for highly specific monitoring of mitochondria autophagy. <i>Analytica Chimica Acta</i> , 2021, 1165, 338561. | 5.4 | 4 |
| 9 | A cyanine dye supramolecular FRET switch driven by G-quadruplex to monitor mitophagy. <i>Dyes and Pigments</i> , 2021, 192, 109429. | 3.7 | 8 |
| 10 | An increase in DNA G-quadruplex formation in acute myelocytic leukemia is detected by a supramolecular probe. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 260, 119968. | 3.9 | 1 |
| 11 | A novel approach for the screening analysis of anticancer compounds from traditional Chinese medicine by a G-quadruplex functionalized magnetic system. <i>Analytical Methods</i> , 2020, 12, 528-534. | 2.7 | 0 |
| 12 | A supramolecular probe of cyanine dye for Pb ²⁺ detection based on the recognition of a G-quadruplex from DNA duplexes. <i>Analytical Methods</i> , 2020, 12, 1182-1185. | 2.7 | 11 |
| 13 | Multi-approach cysteine detection based on supramolecular transformation induced by G-quadruplexes. <i>Analytical Methods</i> , 2019, 11, 4249-4253. | 2.7 | 2 |
| 14 | A Lead (II) Ion Sensor Based on Selective Recognition of G-quadruplex for Ethyl-substituted Thioflavin T. <i>ChemistrySelect</i> , 2019, 4, 10787-10791. | 1.5 | 7 |
| 15 | Ethyl-substituted Thioflavin T as a Fluorescent Probe for Detecting the Conformation of Transferrin. <i>ChemistrySelect</i> , 2019, 4, 10270-10275. | 1.5 | 1 |
| 16 | Construction of a novel DNA-based comparator and its application in intelligent analysis. <i>Nanoscale</i> , 2019, 11, 16241-16244. | 5.6 | 5 |
| 17 | HOAc-Assisted Synthesis of 2,3-Disubstituted Quinolines from Arylamine and Aliphatic Aldehyde in Water. <i>ChemistrySelect</i> , 2019, 4, 9392-9395. | 1.5 | 7 |
| 18 | Labeling of <i>Microthrix parvicella</i> in situ: A novel FRET probe based on bisoctyl rhodamine B. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 213, 263-271. | 3.9 | 3 |

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|----|--|-----|-----------|
| 19 | A resettable supramolecular platform for constructing scalable encoders. <i>Chemical Communications</i> , 2019, 55, 8005-8008. | 4.1 | 7 |
| 20 | Evaluation of the selectivity of G-quadruplex ligands in living cells with a small molecule fluorescent probe. <i>Analytica Chimica Acta: X</i> , 2019, 2, 100017. | 1.0 | 3 |
| 21 | Monitoring autophagy in live cells with a fluorescent light-up probe for G-quadruplex structures. <i>Chemical Communications</i> , 2019, 55, 5060-5063. | 4.1 | 25 |
| 22 | Visualized detection of apo-transferrin based on cyanine dye supramolecular assembly. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 215, 334-339. | 3.9 | 9 |
| 23 | Direct detection of potassium and lead (II) ions based on assembly-disassembly of a chiral cyanine dye /TBA complex. <i>Talanta</i> , 2019, 201, 490-495. | 5.5 | 13 |
| 24 | Spontaneous formation and reversible transformation between achiral J- and chiral H-aggregates of cyanine dye MTC. <i>RSC Advances</i> , 2019, 9, 11365-11368. | 3.6 | 5 |
| 25 | 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. | 3.3 | 12 |
| 26 | A Visibly Observable, Programmable Supramolecular Logic Platform and Its Application in Smart Thiols Sensing. <i>Chemistry - A European Journal</i> , 2019, 25, 5691-5697. | 3.3 | 6 |
| 27 | Regulatory-sequence mechanical biosensor: A versatile platform for investigation of G-quadruplex/label-free protein interactions and tunable protein detection. <i>Analytica Chimica Acta</i> , 2019, 1045, 1-9. | 5.4 | 5 |
| 28 | Insulin-like growth factor type I selectively binds to G-quadruplex structures. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019, 1863, 31-38. | 2.4 | 10 |
| 29 | A Rapid Colorimetric Method to Visualize Protein Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 6727-6731. | 3.3 | 6 |
| 30 | Direct visualization of nucleolar G-quadruplexes in live cells by using a fluorescent light-up probe. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1101-1106. | 2.4 | 47 |
| 31 | Frontispiece: A Novel Reconfigurable Logic Unit Based on the DNA-Templated Potassium-Concentration-Dependent Supramolecular Assembly. <i>Chemistry - A European Journal</i> , 2018, 24, . | 3.3 | 0 |
| 32 | A light-up probe targeting for Bcl-2 2345 G-quadruplex DNA with carbazole TO. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 191, 180-188. | 3.9 | 19 |
| 33 | A Novel Reconfigurable Logic Unit Based on the DNA-Templated Potassium-Concentration-Dependent Supramolecular Assembly. <i>Chemistry - A European Journal</i> , 2018, 24, 4019-4025. | 3.3 | 13 |
| 34 | Ultrasensitive and high specific detection of non-small-cell lung cancer cells in human serum and clinical pleural effusion by aptamer-based fluorescence spectroscopy. <i>Talanta</i> , 2018, 179, 501-506. | 5.5 | 18 |
| 35 | A Spectroscopic Study of the Interaction between Cyanine Dyes with Different Skeleton Structures and Transferrin. <i>ChemistrySelect</i> , 2018, 3, 12742-12747. | 1.5 | 2 |
| 36 | A novel fluorescent long-chain fatty acid-substituted dye: labeling and biodegrading of <i>Microthrix parvicella</i> . <i>RSC Advances</i> , 2018, 8, 35855-35862. | 3.6 | 1 |

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|----|---|------|-----------|
| 37 | A versatile DNA-supramolecule logic platform for multifunctional information processing. <i>NPG Asia Materials</i> , 2018, 10, 497-508. | 7.9 | 19 |
| 38 | Real-time monitoring of DNA G-quadruplexes in living cells with a small-molecule fluorescent probe. <i>Nucleic Acids Research</i> , 2018, 46, 7522-7532. | 14.5 | 117 |
| 39 | Intelligent Sensors of Lead Based on a Reconfigurable DNA-Supramolecule Logic Platform. <i>Analytical Chemistry</i> , 2018, 90, 10585-10590. | 6.5 | 17 |
| 40 | Separation of the potential G-quadruplex ligands from the butanol extract of <i>Zanthoxylum ailanthoides</i> Sieb. & Zucc. by countercurrent chromatography and preparative high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2017, 1507, 104-114. | 3.7 | 6 |
| 41 | Cycloisomerization of Pyridine-Substituted Propargylic Alcohols or Esters To Construct Indolizines and Indolizinones. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 2207-2213. | 2.4 | 37 |
| 42 | Thrombin Ultrasensitive Detection Based on Chiral Supramolecular Assembly Signal-Amplified Strategy Induced by Thrombin-Binding Aptamer. <i>Analytical Chemistry</i> , 2017, 89, 548-551. | 6.5 | 51 |
| 43 | Specific identification of human transferrin conformations using a cyanine dye supramolecular assembly. <i>RSC Advances</i> , 2017, 7, 44904-44907. | 3.6 | 8 |
| 44 | Novel fluorescent cationic benzothiazole dye that responds to G-quadruplex aptamer as a novel K ⁺ sensor. <i>Analyst</i> , 2017, 142, 3352-3355. | 3.5 | 27 |
| 45 | Selective recognition of c-myc promoter G-quadruplex and down-regulation of oncogene c-myc transcription in human cancer cells by 3,8-disubstituted indolizinone. <i>RSC Advances</i> , 2017, 7, 51965-51969. | 3.6 | 19 |
| 46 | Serum Metabolomics of Burkitt Lymphoma Mouse Models. <i>PLoS ONE</i> , 2017, 12, e0170896. | 2.5 | 16 |
| 47 | Spectroscopic Investigation on the Binding of a Cyanine Dye with Transferrin. <i>Journal of Physical Organic Chemistry</i> , 2016, 29, 127-133. | 1.9 | 10 |
| 48 | Spectra, stability and labeling of 1-(5-carboxypentyl)-4-(2-(N-ethylcarbazole-3-yl) vinyl) pyridinium bromide with a large Stokes shift. <i>Luminescence</i> , 2016, 31, 380-387. | 2.9 | 4 |
| 49 | Metal-free synthesis of quinazolinones without any additives in water. <i>RSC Advances</i> , 2016, 6, 43950-43953. | 3.6 | 15 |
| 50 | Reversible regulation of the supramolecular chirality of a cyanine dye by using the G-quadruplex structure as a template. <i>Chemical Communications</i> , 2016, 52, 7302-7305. | 4.1 | 12 |
| 51 | Interaction of isoflavones with different structures and transferrin. <i>Spectroscopy Letters</i> , 2016, 49, 596-601. | 1.0 | 6 |
| 52 | Thioflavin T as an efficient fluorescence sensor for selective recognition of RNA G-quadruplexes. <i>Scientific Reports</i> , 2016, 6, 24793. | 3.3 | 122 |
| 53 | A large stokes-shifted fluorescent dye synthesized as a new probe for the determination of protein. <i>Journal of Fluorescence</i> , 2016, 26, 1511-1520. | 2.5 | 3 |
| 54 | Properties, theoretical study and crystal structure of 3-benzothiazole-9-ethyl carbazole. <i>Luminescence</i> , 2016, 31, 1229-1236. | 2.9 | 2 |

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|----|---|------|-----------|
| 55 | Stabilizing G-quadruplex DNA by methylazacalix[<i>n</i>]pyridine through shape-complementary interaction. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 609-612. | 2.2 | 2 |
| 56 | Colorimetric detection of sodium ion in serum based on the G-quadruplex conformation related DNAzyme activity. <i>Analytica Chimica Acta</i> , 2016, 912, 133-138. | 5.4 | 32 |
| 57 | G-quadruplex induced chirality of methylazacalix[6]pyridine via unprecedented binding stoichiometry: en route to multiplex controlled molecular switch. <i>Scientific Reports</i> , 2015, 5, 10479. | 3.3 | 4 |
| 58 | Non-Flat Bisbenzylisoquinoline Alkaloid Fangchinoline As a Class of Potent G-Quadruplex Stabilizer with Anti-cancer Activity. <i>Chinese Journal of Chemistry</i> , 2015, 33, 1041-1048. | 4.9 | 1 |
| 59 | Copper-catalyzed Intramolecular C-C Bond Cleavage To Construct 2-Substituted Quinazolinones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 4504-4509. | 2.4 | 36 |
| 60 | 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. | 2.7 | 9 |
| 61 | Pyridostatins selectively recognize two different forms of the human telomeric G-quadruplex structures and their anti-tumor activities in vitro. <i>Tetrahedron</i> , 2015, 71, 4982-4986. | 1.9 | 6 |
| 62 | Directly lighting up RNA G-quadruplexes from test tubes to living human cells. <i>Nucleic Acids Research</i> , 2015, 43, gkv1040. | 14.5 | 60 |
| 63 | Spectroscopic and molecular modeling study of cyanine dye interacting with human serum transferrin. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 469, 187-193. | 4.7 | 12 |
| 64 | i-Motif-modulated fluorescence detection of silver(I) with an ultrahigh specificity. <i>Analytica Chimica Acta</i> , 2015, 857, 79-84. | 5.4 | 26 |
| 65 | A supramolecular probe for colorimetric detection of Pb ²⁺ based on recognition of G-quadruplex. <i>RSC Advances</i> , 2015, 5, 1730-1734. | 3.6 | 25 |
| 66 | Targeting of parallel c-myc G-quadruplex by dimeric cyanine dye supramolecular assembly: dependence on the linker length. <i>Analyst</i> , 2015, 140, 1637-1646. | 3.5 | 21 |
| 67 | 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. | 5.5 | 45 |
| 68 | Controllable cy3-MTC-dye aggregates and its applications served as a chemosensor. <i>Dyes and Pigments</i> , 2015, 122, 382-388. | 3.7 | 25 |
| 69 | A benzindole substituted carbazole cyanine dye: a novel targeting fluorescent probe for parallel c-myc G-quadruplexes. <i>Analyst</i> , 2015, 140, 5772-5780. | 3.5 | 32 |
| 70 | Study on the interaction of a cyanine dye with human serum transferrin. <i>Luminescence</i> , 2015, 30, 1176-1183. | 2.9 | 4 |
| 71 | Visual detection of mercury(II) based on recognition of the G-quadruplex conformational transition by a cyanine dye supramolecule. <i>Analyst</i> , 2015, 140, 7170-7174. | 3.5 | 19 |
| 72 | A copper-catalyzed domino reaction to construct functionalized indolizinones. <i>RSC Advances</i> , 2015, 5, 100097-100101. | 3.6 | 7 |

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|----|--|------|-----------|
| 73 | Novel DNA Catalysts Based on G-Quadruplex for Organic Synthesis. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 13-20. | 4.3 | 24 |
| 74 | Construction of DNA logic gates utilizing a H ⁺ /Ag ⁺ induced i-motif structure. <i>Chemical Communications</i> , 2014, 50, 15385-15388. | 4.1 | 40 |
| 75 | A colorimetric temperature sensor of a cyanine dye supramolecule and its application in reversible switch. <i>Applied Physics Letters</i> , 2014, 105, 071914. | 3.3 | 14 |
| 76 | Copper-Catalyzed Domino Reaction Involving C-C Bond Cleavage To Construct Aryl Quinazolinones. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2682-2685. | 2.4 | 39 |
| 77 | A colorimetric and fluorometric dual-modal supramolecular chemosensor and its application for HSA detection. <i>Analyst</i> , The, 2014, 139, 581-584. | 3.5 | 41 |
| 78 | 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. | 2.4 | 24 |
| 79 | 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 |
| 80 | Quantification of the Na ⁺ /K ⁺ ratio based on the different response of a newly identified G-quadruplex to Na ⁺ and K ⁺ . <i>Chemical Communications</i> , 2013, 49, 4510. | 4.1 | 42 |
| 81 | 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. | 2.8 | 11 |
| 82 | A novel signal-amplified strategy based on assembly reactivation for highly specific and sensitive detection of chair-like antiparallel G-quadruplex. <i>Analyst</i> , The, 2013, 138, 798-804. | 3.5 | 13 |
| 83 | G4LDB: a database for discovering and studying G-quadruplex ligands. <i>Nucleic Acids Research</i> , 2013, 41, D1115-D1123. | 14.5 | 137 |
| 84 | A dual-site simultaneous binding mode in the interaction between parallel-stranded G-quadruplex [d(TGGGT)] ₄ and cyanine dye 2,2'-diethyl-9-methyl-selenacarbocyanine bromide. <i>Nucleic Acids Research</i> , 2013, 41, 2709-2722. | 14.5 | 66 |
| 85 | Recognize three different human telomeric G-quadruplex conformations by quinacrine. <i>Analyst</i> , The, 2012, 137, 862. | 3.5 | 14 |
| 86 | Visual detection of potassium by a cyanine dye supramolecular aggregate responsive to G-quadruplex motif transition. <i>Analyst</i> , The, 2012, 137, 5713. | 3.5 | 26 |
| 87 | INTERACTION BETWEEN AGGREGATES OF CYANINE DYES AND BIOMOLECULES. , 2012, , 155-180. | | 0 |
| 88 | Controllable assembly and cycling conversion of various supramolecular aggregates of a cyanine dye. <i>Applied Physics Letters</i> , 2011, 98, 031103. | 3.3 | 21 |
| 89 | 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 |
| 90 | 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. | 4.9 | 17 |

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|-----|--|------|-----------|
| 91 | NMR-based metabonomics: a useful platform of oncology research. <i>Bioanalytical Reviews</i> , 2010, 1, 117-140. | 0.2 | 1 |
| 92 | Distinct G-quadruplex structures of human telomeric DNA formed by the induction of sanguinarine and nitidine under salt-deficient condition. <i>FÅ-toterapÅ-Åç</i> , 2010, 81, 1026-1032. | 2.2 | 16 |
| 93 | 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. | 14.5 | 74 |
| 94 | 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. | 6.5 | 42 |
| 95 | Fast screening and structural elucidation of G-quadruplex ligands from a mixture via G-quadruplex recognition and NMR methods. <i>Biochimie</i> , 2009, 91, 304-308. | 2.6 | 19 |
| 96 | 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. | 4.1 | 84 |
| 97 | 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. | 13.8 | 44 |
| 98 | Structural effects on the conformational transition of transferrin induced by binding of flavonoids with different numbers and positions of hydroxyl groups. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 195, 127-134. | 3.9 | 16 |
| 99 | Chiral Transformation of Cyanine Dye Aggregates Induced by Small Peptides. <i>Journal of Physical Chemistry B</i> , 2008, 112, 8783-8787. | 2.6 | 20 |
| 100 | Chiral Transformation of Achiral J-aggregates of a Cyanine Dye Templated by Human Serum Albumin. <i>ChemPhysChem</i> , 2007, 8, 224-226. | 2.1 | 53 |
| 101 | A spectroscopic and molecular modeling study of sinomenine binding to transferrin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 1701-1704. | 2.2 | 24 |
| 102 | Metabonomics analysis of the urine of rats with Qi deficiency and blood stasis syndrome based on NMR techniques. <i>Science Bulletin</i> , 2007, 52, 3068-3073. | 1.7 | 13 |
| 103 | Spectroscopic investigation on the interaction of J-aggregate with human serum albumin. <i>Biophysical Chemistry</i> , 2007, 128, 197-203. | 2.8 | 32 |
| 104 | A programmed hydrogen bonding array self-assembles into a polymeric zipper-like architecture. <i>New Journal of Chemistry</i> , 2006, 30, 140. | 2.8 | 9 |
| 105 | On the Formation of Nanostructures from Stilbazolium-like Dyes. <i>Journal of Nanoparticle Research</i> , 2006, 8, 65-77. | 1.9 | 3 |
| 106 | Spectroscopic studies of the interaction between methylene blue and G-quadruplex. <i>Science Bulletin</i> , 2006, 51, 1687-1692. | 1.7 | 11 |
| 107 | Effects of NaCl on the J-aggregation of two thiocarbocyanine dyes in aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2003, 258, 198-205. | 9.4 | 67 |
| 108 | Novel sintering behavior of polystyrene nano-latex particles in filming process. <i>Science Bulletin</i> , 2001, 46, 991-995. | 1.7 | 9 |