

Xiangjun Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56 papers	1,978 citations	25 h-index	44 g-index
59 ext. papers	2,280 ext. citations	6.7 avg, IF	4.77 L-index

#	Paper	IF	Citations
56	Transferrin receptor-mediated internalization and intracellular fate of conjugates of a DNA aptamer.. <i>Molecular Therapy - Nucleic Acids</i> , 2022 , 27, 1249-1259	10.7	2
55	p-Aminostyryl thiazole orange derivatives for monitoring mitochondrial viscosity in live cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 265, 120394	4.4	1
54	A mitochondria-targeted near-infrared fluorescent probe for detection and imaging of HSO in living cells.. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022 , 278, 121305	4.4	0
53	A DNA Aptameric Ligand of Human Transferrin Receptor Generated by Cell-SELEX. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
52	A 4-aminonaphthalimide-based fluorescent traceable prodrug with excellent photoinduced cytotoxicity. <i>Chemical Communications</i> , 2021 , 57, 6558-6561	5.8	1
51	Immunomodulatory Effects of Polysaccharide Extract and Its Uptake Behaviors at the Cellular Level. <i>Molecules</i> , 2020 , 25,	4.8	17
50	Detection of Circulating Tumor-Related Materials by Aptamer Capturing and Endogenous Enzyme-Signal Amplification. <i>Analytical Chemistry</i> , 2020 , 92, 5370-5378	7.8	8
49	Thiazole Orange Styryl Derivatives as Fluorescent Probes for G-Quadruplex DNA.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2643-2650	4.1	15
48	Prion Protein Targeted by a Prostate Cancer Cell Binding Aptamer, a Potential Tumor Marker?. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2658-2665	4.1	2
47	Ratiometric detection and imaging of hydrogen sulfide in mitochondria based on a cyanine/naphthalimide hybrid fluorescent probe. <i>Analyst, The</i> , 2020 , 145, 6549-6555	5	12
46	Fncas12a/crRNA assisted dumbbell-PCR detection of IsomiRs with terminal and inner sequence variants. <i>Chemical Communications</i> , 2020 , 56, 10038-10041	5.8	4
45	A Nucleus-Targeting DNA Aptamer for Dead Cell Indication. <i>ACS Sensors</i> , 2019 , 4, 1612-1618	9.2	11
44	The Mechanism of the Selective Antiproliferation Effect of Guanine-Based Biomolecules and Its Compensation. <i>ACS Chemical Biology</i> , 2019 , 14, 1164-1173	4.9	6
43	Comparative Study of the Chemical Constituents and Bioactivities of the Extracts from Fruits, Leaves and Root Barks of. <i>Molecules</i> , 2019 , 24,	4.8	14
42	Aptameric Probe Specifically Binding Protein Heterodimer Rather Than Monomers. <i>Advanced Science</i> , 2019 , 6, 1900143	13.6	15
41	Dual-Monitoring Glycosylation and Local pH in Live Cells by Metabolic Oligosaccharide Engineering with a Ratiometric Fluorescent Tag. <i>Analytical Chemistry</i> , 2019 , 91, 13720-13728	7.8	4
40	A Mitochondria-Targeted Ratiometric Fluorescent pH Probe.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 1368-1375	7.5	18

39	In vitro selection of DNA aptamers recognizing drug-resistant ovarian cancer by cell-SELEX. <i>Talanta</i> , 2019 , 194, 437-445	6.2	25
38	Flow Cytometric Bead Sandwich Assay Based on a Split Aptamer. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2312-2318	9.5	4
37	Thiazole Orange-Modified Carbon Dots for Ratiometric Fluorescence Detection of G-Quadruplex and Double-Stranded DNA. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 25166-25173	9.5	33
36	Oxidative degradation of polyamines by serum supplement causes cytotoxicity on cultured cells. <i>Scientific Reports</i> , 2018 , 8, 10384	4.9	13
35	Imaging of Neurite Network with an Anti-L1CAM Aptamer Generated by Neurite-SELEX. <i>Journal of the American Chemical Society</i> , 2018 , 140, 18066-18073	16.4	30
34	Microbead-Based Platform for Multiplex Detection of DNA and Protein. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 9462-9469	9.5	16
33	Dicyanomethylene Substituted Benzothiazole Squaraines: The Efficiency of Photodynamic Therapy In Vitro and In Vivo. <i>EBioMedicine</i> , 2017 , 23, 25-33	8.8	19
32	Triplex-quadruplex structural scaffold: a new binding structure of aptamer. <i>Scientific Reports</i> , 2017 , 7, 15467	4.9	16
31	Development of squaraine based G-quadruplex ligands using click chemistry. <i>Scientific Reports</i> , 2017 , 7, 4766	4.9	20
30	Detection of G-Quadruplex Structures Formed by G-Rich Sequences from Rice Genome and Transcriptome Using Combined Probes. <i>Analytical Chemistry</i> , 2017 , 89, 8162-8169	7.8	7
29	A Cyanine Dye to Probe Mitophagy: Simultaneous Detection of Mitochondria and Autolysosomes in Live Cells. <i>Journal of the American Chemical Society</i> , 2016 , 138, 12368-74	16.4	149
28	Intercellular Connections Related to Cell-Cell Crosstalk Specifically Recognized by an Aptamer. <i>Angewandte Chemie</i> , 2016 , 128, 3982-3986	3.6	2
27	Intercellular Connections Related to Cell-Cell Crosstalk Specifically Recognized by an Aptamer. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3914-8	16.4	31
26	Activity Enhancement of G-Quadruplex/Hemin DNAzyme by Flanking d(CCC). <i>Chemistry - A European Journal</i> , 2016 , 22, 4015-21	4.8	49
25	Interaction of bisbenzimidazole-substituted carbazole derivatives with G-quadruplexes and living cells. <i>RSC Advances</i> , 2015 , 5, 75911-75917	3.7	19
24	Ratiometric Fluorescent silver nanoclusters for the determination of mercury and copper ions. <i>Analytical Methods</i> , 2015 , 7, 8019-8024	3.2	11
23	Visible-light-induced cleavage of 4-amino acid substituted naphthalimides and its application in DNA photocleavage. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 3931-5	3.9	15
22	Cytotoxicity of guanine-based degradation products contributes to the antiproliferative activity of guanine-rich oligonucleotides. <i>Chemical Science</i> , 2015 , 6, 3831-3838	9.4	27

21	Activity enhancement of G-quadruplex/hemin DNAzyme by spermine. <i>RSC Advances</i> , 2014 , 4, 1441-1448	3.7	41
20	Fluorescence light-up probe for parallel G-quadruplexes. <i>Analytical Chemistry</i> , 2014 , 86, 943-52	7.8	81
19	Dicyanomethylene-functionalized squaraine as a highly selective probe for parallel G-quadruplexes. <i>Analytical Chemistry</i> , 2014 , 86, 7063-70	7.8	69
18	Exact tailoring of an ATP controlled streptavidin binding aptamer. <i>RSC Advances</i> , 2014 , 4, 15111	3.7	4
17	Carbon dots based dual-emission silica nanoparticles as a ratiometric nanosensor for Cu(2+). <i>Analytical Chemistry</i> , 2014 , 86, 2289-96	7.8	241
16	Effects of side chains on DNA binding, cell permeability, nuclear localization and cytotoxicity of 4-aminonaphthalimides. <i>Organic and Biomolecular Chemistry</i> , 2014 , 12, 9207-15	3.9	21
15	Rational design of Hg ²⁺ controlled streptavidin-binding aptamer. <i>Chemical Communications</i> , 2013 , 49, 164-6	5.8	32
14	A turn-on fluorescent sensor for zinc and cadmium ions based on perylene tetracarboxylic diimide. <i>Analyst, The</i> , 2013 , 138, 901-6	5	118
13	A pH sensitive ratiometric fluorophore and its application for monitoring the intracellular and extracellular pHs simultaneously. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 661-667	7.3	66
12	A guanidine derivative of naphthalimide with excited-state deprotonation coupled intramolecular charge transfer properties and its application. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 4427	7.1	46
11	G-quadruplex DNA aptamers for zeatin recognizing. <i>Biosensors and Bioelectronics</i> , 2013 , 41, 157-62	11.8	36
10	Functional-group specific aptamers indirectly recognizing compounds with alkyl amino group. <i>Analytical Chemistry</i> , 2012 , 84, 7323-9	7.8	27
9	Selective isolation of G-quadruplexes by affinity chromatography. <i>Journal of Chromatography A</i> , 2012 , 1246, 62-8	4.5	12
8	A novel polychloromethylstyrene coated superparamagnetic surface molecularly imprinted core-shell nanoparticle for bisphenol A. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9232		85
7	Visual detection of Hg ²⁺ with high selectivity using thymine modified gold nanoparticles. <i>Analytical Sciences</i> , 2010 , 26, 1169-72	1.7	30
6	Bifunctional combined aptamer for simultaneous separation and detection of thrombin. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1487-92	11.8	33
5	Determination of methotrexate in human serum by high-performance liquid chromatography combined with pseudo template molecularly imprinted polymer. <i>Journal of Chromatography A</i> , 2009 , 1216, 7533-8	4.5	56
4	Specific mercury(II) adsorption by thymine-based sorbent. <i>Talanta</i> , 2009 , 78, 253-8	6.2	43

3	General peroxidase activity of G-quadruplex-hemin complexes and its application in ligand screening. <i>Biochemistry</i> , 2009 , 48, 7817-23	3.2	199
2	Uniform-sized molecularly imprinted polymer for metsulfuron-methyl by one-step swelling and polymerization method. <i>Talanta</i> , 2007 , 71, 1205-10	6.2	40
1	Monolithic molecularly imprinted polymer for sulfamethoxazole and molecular recognition properties in aqueous mobile phase. <i>Analytica Chimica Acta</i> , 2006 , 571, 235-41	6.6	77