

# Xiu-Feng Zhang

## List of Publications by Year in descending order

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32  
papers

613  
citations

759233

12  
h-index

610901

24  
g-index

32  
all docs

32  
docs citations

32  
times ranked

770  
citing authors

#	ARTICLE	IF	CITATIONS
1	Isolation, structure elucidation, antioxidative and immunomodulatory properties of two novel dihydrocoumarins from Aloe vera. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 949-953.	2.2	104
2	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
3	Immuno-stimulating properties of diosgenyl saponins isolated from <i>Paris polyphylla</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2408-2413.	2.2	70
4	Effects of deposit-feeding tubificid worms and filter-feeding bivalves on benthic-pelagic coupling: Implications for the restoration of eutrophic shallow lakes. <i>Water Research</i> , 2014, 50, 135-146.	11.3	54
5	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
6	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
7	The effect of the skeleton structure of flavanone and flavonoid on interaction with transferrin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6677-6681.	2.2	27
8	Recent advances in bioprobes and biolabels based on cyanine dyes. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4551-4573.	3.7	26
9	Ethyl-substitutive Thioflavin T as a highly-specific fluorescence probe for detecting G-quadruplex structure. <i>Scientific Reports</i> , 2018, 8, 2666.	3.3	23
10	Visual detection of mercury( $\text{Hg}^{2+}$ ) based on recognition of the G-quadruplex conformational transition by a cyanine dye supramolecule. <i>Analyst</i> , The, 2015, 140, 7170-7174.	3.5	19
11	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
12	Binding of the bioactive component Aloe dihydroisocoumarin with human serum albumin. <i>Journal of Molecular Structure</i> , 2008, 891, 87-92.	3.6	14
13	Formation of an Intramolecular G-Quadruplex of Human Telomere Induced by Poly(L-lysine) under Salt-Deficient Conditions. <i>Journal of Physical Chemistry B</i> , 2009, 113, 7662-7667.	2.6	12
14	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
15	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
16	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.	4.9	9
17	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
18	Specific identification of human transferrin conformations using a cyanine dye supramolecular assembly. <i>RSC Advances</i> , 2017, 7, 44904-44907.	3.6	8

#	ARTICLE	IF	CITATIONS
19	A colorimetric and fluorometric dual-modal DNA logic gate based on the response of a cyanine dye supramolecule to G-quadruplexes. <i>New Journal of Chemistry</i> , 2016, 40, 1940-1943.	2.8	7
20	Interaction and energy transfer between carbon dots and serum human transferrin. <i>Spectroscopy Letters</i> , 2018, 51, 123-129.	1.0	7
21	A Lead (II) Ion Sensor Based on Selective Recognition of G-quadruplex for Ethyl-substitutive Thioflavin T. <i>ChemistrySelect</i> , 2019, 4, 10787-10791.	1.5	7
22	Interaction of isoflavones with different structures and transferrin. <i>Spectroscopy Letters</i> , 2016, 49, 596-601.	1.0	6
23	A Rapid Colorimetric Method to Visualize Protein Interactions. <i>Chemistry - A European Journal</i> , 2018, 24, 6727-6731.	3.3	6
24	Study on the interaction of a cyanine dye with human serum transferrin. <i>Luminescence</i> , 2015, 30, 1176-1183.	2.9	4
25	A cysteine and Hg <sup>2+</sup> detection method based on transformation supramolecular assembly of cyanine dye by AGRO100. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 270, 120779.	3.9	4
26	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
27	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
28	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
29	Multi-approach cysteine detection based on supramolecular transformation induced by G-quadruplexes. <i>Analytical Methods</i> , 2019, 11, 4249-4253.	2.7	2
30	Ethyl-substituted Thioflavin T as a Fluorescent Probe for Detecting the Conformation of Transferrin. <i>ChemistrySelect</i> , 2019, 4, 10270-10275.	1.5	1
31	Construction of basic logic gates based on rapid detection of transferrin conformations. <i>Dyes and Pigments</i> , 2020, 178, 108331.	3.7	1
32	Advances in the Functional Nucleic Acid Biosensors for Detection of Lead Ions. <i>Critical Reviews in Analytical Chemistry</i> , 2021, , 1-17.	3.5	0