Xiu-Feng Zhang

List of Publications by Year
in descending order

32	613	759233 12	610901 24
papers	citations	h-index	g-index

32	32	32	770
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A cysteine and Hg2+ detection method based on transformation supramolecular assembly of cyanine dye by AGRO100. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 270, 120779.	3.9	4
2	Recent advances in bioprobes and biolabels based on cyanine dyes. Analytical and Bioanalytical Chemistry, 2022, 414, 4551-4573.	3.7	26
3	Advances in the Functional Nucleic Acid Biosensors for Detection of Lead Ions. Critical Reviews in Analytical Chemistry, 2021, , 1-17.	3.5	0
4	Construction of basic logic gates based on rapid detection of transferrin conformations. Dyes and Pigments, 2020, 178, 108331.	3.7	1
5	Multi-approach cysteine detection based on supramolecular transformation induced by G-quadruplexes. Analytical Methods, 2019, 11, 4249-4253.	2.7	2
6	A Lead (II) Ion Sensor Based on Selective Recognition of Gâ€quadruplex for Ethylâ€substitutive Thioflavin T. ChemistrySelect, 2019, 4, 10787-10791.	1.5	7
7	Ethylâ€substituted Thioflavin T as a Fluorescent Probe for Detecting the Conformation of Transferrin. ChemistrySelect, 2019, 4, 10270-10275.	1.5	1
8	Evaluation of the selectivity of G-quadruplex ligands in living cells with a small molecule fluorescent probe. Analytica Chimica Acta: X, 2019, 2, 100017.	1.0	3
9	Visualized detection of apo-transferrin based on cyanine dye supramolecular assembly. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 215, 334-339.	3.9	9
10	A Rapid Colorimetric Method to Visualize Protein Interactions. Chemistry - A European Journal, 2018, 24, 6727-6731.	3.3	6
11	Ethyl-substitutive Thioflavin T as a highly-specific fluorescence probe for detecting G-quadruplex structure. Scientific Reports, 2018, 8, 2666.	3.3	23
12	Interaction and energy transfer between carbon dots and serum human transferrin. Spectroscopy Letters, 2018, 51, 123-129.	1.0	7
13	A Spectroscopic Study of the Interaction between Cyanine Dyes with Different Skeleton Structures and Transferrin. ChemistrySelect, 2018, 3, 12742-12747.	1.5	2
14	Specific identification of human transferrin conformations using a cyanine dye supramolecular assembly. RSC Advances, 2017, 7, 44904-44907.	3.6	8
15	Spectroscopic Investigation on the Binding of a Cyanine Dye with Transferrin. Journal of Physical Organic Chemistry, 2016, 29, 127-133.	1.9	10
16	A colorimetric and fluorometric dual-modal DNA logic gate based on the response of a cyanine dye supramolecule to G-quadruplexes. New Journal of Chemistry, 2016, 40, 1940-1943.	2.8	7
17	Interaction of isoflavones with different structures and transferrin. Spectroscopy Letters, 2016, 49, 596-601.	1.0	6
18	Colorimetric detection of sodium ion in serum based on the G-quadruplex conformation related DNAzyme activity. Analytica Chimica Acta, 2016, 912, 133-138.	5.4	32

#	Article	IF	Citations
19	Spectroscopic and molecular modeling study of cyanine dye interacting with human serum transferrin. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2015, 469, 187-193.	4.7	12
20	Study on the interaction of a cyanine dye with human serum transferrin. Luminescence, 2015, 30, 1176-1183.	2.9	4
21	Visual detection of mercury(<scp>ii</scp>) based on recognition of the G-quadruplex conformational transition by a cyanine dye supramolecule. Analyst, The, 2015, 140, 7170-7174.	3.5	19
22	Effects of deposit-feeding tubificid worms and filter-feeding bivalves on benthic-pelagic coupling: Implications for the restoration of eutrophic shallow lakes. Water Research, 2014, 50, 135-146.	11.3	54
23	A colorimetric and fluorometric dual-modal supramolecular chemosensor and its application for HSA detection. Analyst, The, 2014, 139, 581-584.	3.5	41
24	The effect of the skeleton structure of flavanone and flavonoid on interaction with transferrin. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 6677-6681.	2.2	27
25	An important functional group, benzo[1,3]dioxole, of alkaloids induces the formation of the human telomeric DNA G-quadruplex. Science Bulletin, 2011, 56, 613-617.	1.7	2
26	Formation of Human Telomeric Gâ€quadruplex Structures Induced by the Quaternary Benzophenanthridine Alkaloids: Sanguinarine, Nitidine, and Chelerythrine. Chinese Journal of Chemistry, 2010, 28, 771-780.	4.9	17
27	Recognizing Hybrid/Mixed Gâ€quadruplex in Human Telomeres by Using a Cyanine Dye Supramolecule with Confocal Laser Scanning Microscopy. Chinese Journal of Chemistry, 2010, 28, 1126-1132.	4.9	9
28	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. Nucleic Acids Research, 2010, 38, 1022-1033.	14.5	74
29	Formation of an Intramolecular G-Quadruplex of Human Telomere Induced by Poly(l-lysine) under Salt-Deficient Conditions. Journal of Physical Chemistry B, 2009, 113, 7662-7667.	2.6	12
30	Binding of the bioactive component Aloe dihydroisocoumarin with human serum albumin. Journal of Molecular Structure, 2008, 891, 87-92.	3.6	14
31	Immuno-stimulating properties of diosgenyl saponins isolated from Paris polyphylla. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2408-2413.	2.2	70
32	Isolation, structure elucidation, antioxidative and immunomodulatory properties of two novel dihydrocoumarins from Aloe vera. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 949-953.	2.2	104