Feng-Lei Jiang

List of Publications by Year in Descending Order

157 papers	4,077 citations	37 h-index	55 g-index
163 ext. papers	4,771 ext. citations	5.6 avg, IF	5.66 L-index

#	Paper	IF	Citations
157	Multifunctional Probes with High Utilization Rates: Self-Assembled Merocyanine Nanoparticles in Water as Acid-Base Indicators and Mitochondrion-Targeting Chemotherapeutic Agents.. *Journal of Physical Chemistry Letters*, **2022**, 1090-1098	6.4	1
156	pH-Sensitive Bioprobe for Multichannel Mitochondrial Imaging and Photodynamic Therapy.. *Analytical Chemistry*, **2022**, 94, 4126-4133	7.8	2
155	Mitochondrial Targeting Long-Term Near-Infrared Imaging and Photodynamic Therapy Aggregation-Induced Emission Luminogens Manipulated by Thiophene.. *Journal of Physical Chemistry Letters*, **2022**, 3462-3469	6.4	
154	Regulation of the Enzymatic Activities of Lysozyme by the Surface Ligands of Ultrasmall Gold Nanoclusters: The Role of Hydrophobic Interactions. *Langmuir*, **2021**, 37, 13787-13797	4	1
153	Nitrogen and sulfur co-doped carbon dots with bright fluorescence for intracellular detection of iron ion and thiol.. *Journal of Colloid and Interface Science*, **2021**, 611, 255-264	9.3	8
152	Positive Sorption Behaviors in the Ligand Exchanges for Water-Soluble Quantum Dots and a Strategy for Specific Targeting. *ACS Applied Materials & Interfaces*, **2021**, 13, 51746-51758	9.5	3
151	Recent Advances in Nanomaterial-Based Nanoplatforms for Chemodynamic Cancer Therapy. *Advanced Functional Materials*, **2021**, 31, 2100243	15.6	60
150	Zn-doped CuS quantum dots as new high-efficiency inhibitors against human insulin fibrillation based on specific electrostatic interaction with oligomers. *International Journal of Biological Macromolecules*, **2021**, 179, 161-169	7.9	1
149	Insights into Mechanism of A□Fibril Growth on Surface of Graphene Oxides: Oxidative Degree Matters. *Advanced Healthcare Materials*, **2021**, 10, e2100436	10.1	2
148	N,S-Codoped Carbon Dots with Red Fluorescence and Their Cellular Imaging.. *ACS Applied Bio Materials*, **2021**, 4, 4973-4981	4.1	5
147	Cu-Deficient CuInSe Quantum Dots for □Turn-On□Detection of Adenosine Triphosphate in Living Cells. *ACS Applied Nano Materials*, **2021**, 4, 6057-6066	5.6	3
146	Mitochondria-Targeted BODIPY Nanoparticles for Enhanced Photothermal and Photoacoustic Imaging In Vivo.. *ACS Applied Bio Materials*, **2021**, 4, 1760-1770	4.1	4
145	Near-infrared Zn-doped CuS quantum dots: an ultrasmall theranostic agent for tumor cell imaging and chemodynamic therapy. *Nanoscale*, **2021**, 13, 3673-3685	7.7	9
144	Multifunction in One Molecule: Mitochondrial Imaging and Photothermal & Photodynamic Cytotoxicity of Fast-Response Near-Infrared Fluorescent Probes with Aggregation-Induced Emission Characteristics. *ACS Applied Materials & Interfaces*, **2021**, 13, 7945-7954	9.5	11
143	Thermodynamic Implications and Time Evolution of the Interactions of Near-Infrared PbS Quantum Dots with Human Serum Albumin. *ACS Omega*, **2021**, 6, 5569-5581	3.9	9
142	A bright, red-emitting water-soluble BODIPY fluorophore as an alternative to the commercial Mito Tracker Red for high-resolution mitochondrial imaging. *Journal of Materials Chemistry B*, **2021**, 9, 8639-8645	7.3	3
141	Thermodynamics, Kinetics and Mechanisms of Noncompetitive Allosteric Inhibition of Chymotrypsin by Dihydrolipoic Acid-Coated Gold Nanoclusters. *Langmuir*, **2020**, 36, 6447-6457	4	10

140	Real-Time Imaging of Intracellular Glutathione Levels Based on a Ratiometric Fluorescent Probe with Extremely Fast Response. *Analytical Chemistry*, **2020**, 92, 10068-10075	7.8	11
139	Rapid culture-based detection of Legionella pneumophila using isothermal microcalorimetry with an improved evaluation method. *Microbial Biotechnology*, **2020**, 13, 1262-1272	6.3	4
138	Dual Inhibition of Pyruvate Dehydrogenase Complex and Respiratory Chain Complex Induces Apoptosis by a Mitochondria-Targeted Fluorescent Organic Arsenical in vitro and in vivo. *ChemMedChem*, **2020**, 15, 552-558	3.7	5
137	Inhibition of Autophagy via Lysosomal Impairment Enhances Cytotoxicity of Fullerenol under Starvation Condition.. *ACS Applied Bio Materials*, **2020**, 3, 977-985	4.1	5
136	Thermodynamics of the Interaction Between Graphene Quantum Dots with Human Serum Albumin and Globulins. *Journal of Solution Chemistry*, **2020**, 49, 100-116	1.8	2
135	A model beyond protein corona: thermodynamics and binding stoichiometries of the interactions between ultrasmall gold nanoclusters and proteins. *Nanoscale*, **2020**, 12, 4573-4585	7.7	26
134	Thermodynamic Implications of the Ligand Exchange with Alkylamines on the Surface of CdSe Quantum Dots: The Importance of Ligand–Ligand Interactions. *Journal of Physical Chemistry C*, **2020**, 124, 4613-4625	3.8	18
133	Bridge between Temperature and Light: Bottom-Up Synthetic Route to Structure-Defined Graphene Quantum Dots as a Temperature Probe In Vitro and in Cells. *ACS Applied Materials & Interfaces*, **2020**, 12, 22002-22011	9.5	13
132	Bifunctional carbon dots for cell imaging and inhibition of human insulin fibrillation in the whole aggregation process. *International Journal of Biological Macromolecules*, **2020**, 147, 453-462	7.9	12
131	Luminescent carbon dots with concentration-dependent emission in solution and yellow emission in solid state. *Journal of Colloid and Interface Science*, **2020**, 565, 77-85	9.3	27
130	Molecular Mechanisms of the Ultra-Strong Inhibition Effect of Oxidized Carbon Dots on Human Insulin Fibrillation.. *ACS Applied Bio Materials*, **2020**, 3, 217-226	4.1	7
129	On the Route to Quantitative Detection and Real-Time Monitoring of Glutathione in Living Cells by Reversible Fluorescent Probes. *Analytical Chemistry*, **2020**, 92, 14285-14291	7.8	16
128	Syntheses, kinetics and thermodynamics of BODIPY-based fluorescent probes with different kinds of hydrophilic groups for the detection of biothiols. *Dyes and Pigments*, **2020**, 180, 108434	4.6	6
127	Single-step synthesis of highly photoluminescent carbon dots for rapid detection of Hg with excellent sensitivity. *Journal of Colloid and Interface Science*, **2019**, 551, 101-110	9.3	42
126	Concentration-tuned multicolor carbon dots: microwave-assisted synthesis, characterization, mechanism and applications. *New Journal of Chemistry*, **2019**, 43, 8950-8957	3.6	15
125	Cytotoxicity of CdTe quantum dots with different surface coatings against yeast Saccharomyces cerevisiae. *Ecotoxicology and Environmental Safety*, **2019**, 174, 467-474	7	14
124	Fluorescent protein nanoparticles: Synthesis and recognition of cellular oxidation damage. *Colloids and Surfaces B: Biointerfaces*, **2019**, 177, 219-227	6	2
123	Rapid and Reversible Reaction-Based Ratiometric Fluorescent Probe for Imaging of Different Glutathione Levels in Living Cells.. *ACS Applied Bio Materials*, **2019**, 2, 4503-4514	4.1	16

122	High-Oxygen-Content Carbon Dots as a High-Efficiency Inhibitor of Human Insulin Aggregation.. *ACS Applied Bio Materials*, **2019**, 2, 4067-4076	4.1	4
121	Microwave-assisted synthesis, characterization, cell imaging of fluorescent carbon dots using L-asparagine as precursor. *New Journal of Chemistry*, **2019**, 43, 3323-3331	3.6	15
120	A reaction-based turn-on fluorescent sensor for the detection of Cu (II) with excellent sensitivity and selectivity: Synthesis, DFT calculations, kinetics and application in real water samples. *Dyes and Pigments*, **2019**, 165, 383-390	4.6	36
119	Graphene Quantum Dots Induce Autophagy and Reveal Protection Against Hydrogen Peroxide-Induced Oxidative Stress Injury.. *ACS Applied Bio Materials*, **2019**, 2, 5760-5768	4.1	2
118	LDHA Suppression Altering Metabolism Inhibits Tumor Progress by an Organic Arsenical. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	7
117	A mitochondria-targeted organic arsenical accelerates mitochondrial metabolic disorder and function injury. *Bioorganic and Medicinal Chemistry*, **2019**, 27, 760-768	3.4	10
116	AuxAg1□ Nanocomposites with 40-Fold Emission Enhancement Formed by the Electrostatic Assembly of Gold Nanoclusters and Silver Nanoclusters for Bioimaging and Bioanalysis. *ACS Applied Nano Materials*, **2019**, 2, 408-417	5.6	20
115	A novel method for the detection of silver ions with carbon dots: Excellent selectivity, fast response, low detection limit and good applicability. *Sensors and Actuators B: Chemical*, **2018**, 267, 627-635	8.5	35
114	A BODIPY-based mitochondria-targeted turn-on fluorescent probe with dual response units for the rapid detection of intracellular biothiols. *Dyes and Pigments*, **2018**, 152, 29-35	4.6	25
113	The interactions of CdTe quantum dots with serum albumin and subsequent cytotoxicity: the influence of homologous ligands. *Toxicology Research*, **2018**, 7, 147-155	2.6	12
112	Mitochondrial toxicity of organic arsenicals: membrane permeability transition pore opening and respiratory dysfunction. *Toxicology Research*, **2018**, 7, 191-200	2.6	8
111	F□ster Resonance Energy Transfer from Quantum Dots to Rhodamine B As Mediated by a Cationic Surfactant: A Thermodynamic Perspective. *Journal of Physical Chemistry C*, **2018**, 122, 1148-1157	3.8	23
110	A fast and reliable method for monitoring of prophage-activating chemicals. *Microbial Biotechnology*, **2018**, 11, 1112-1120	6.3	3
109	Organic arsenicals target thioredoxin reductase followed by oxidative stress and mitochondrial dysfunction resulting in apoptosis. *European Journal of Medicinal Chemistry*, **2018**, 143, 1090-1102	6.8	20
108	Highly selective and sensitive detection of Hg2+ based on fluorescence enhancement of Mn-doped ZnSe QDs by Hg2+-Mn2+ replacement. *Sensors and Actuators B: Chemical*, **2018**, 254, 8-15	8.5	31
107	Uncoupling Effect of F16 Is Responsible for Its Mitochondrial Toxicity and Anticancer Activity. *Toxicological Sciences*, **2018**, 161, 431-442	4.4	16
106	An enhanced bioindicator for calorimetric monitoring of prophage-activating chemicals in the trace concentration range. *Engineering in Life Sciences*, **2018**, 18, 475-483	3.4	2
105	modulation of mercury-induced rat liver mitochondria dysfunction. *Toxicology Research*, **2018**, 7, 1135-1143	2.6	9

104	Reduced state transition barrier of CDK6 from open to closed state induced by Thr177 phosphorylation and its implication in binding modes of inhibitors. *Biochimica Et Biophysica Acta - General Subjects*, **2018**, 1862, 501-512	4	5
103	Mitochondrial toxicity induced by a thiourea gold(i) complex: mitochondrial permeability transition and respiratory deficit. *Toxicology Research*, **2018**, 7, 1081-1090	2.6	7
102	Aglycone Polyether Nanchangmycin and Its Homologues Exhibit Apoptotic and Antiproliferative Activities against Cancer Stem Cells. *ACS Pharmacology and Translational Science*, **2018**, 1, 84-95	5.9	5
101	Surface functional groups affect CdTe QDs behavior at mitochondrial level. *Toxicology Research*, **2018**, 7, 1071-1080	2.6	12
100	New aspects of the environmental risks of quantum dots: prophage activation. *Environmental Science: Nano*, **2018**, 5, 1556-1566	7.1	6
99	Pyridinium and indole orientation determines the mitochondrial uncoupling and anti-cancer efficiency of F16. *European Journal of Medicinal Chemistry*, **2018**, 154, 305-313	6.8	7
98	Active site-targeted carbon dots for the inhibition of human insulin fibrillation. *Journal of Materials Chemistry B*, **2017**, 5, 2010-2018	7.3	23
97	Identification of Binding Modes for Amino Naphthalene 2-Cyanoacrylate (ANCA) Probes to Amyloid Fibrils from Molecular Dynamics Simulations. *Journal of Physical Chemistry B*, **2017**, 121, 1211-1221	3.4	17
96	Mn-Doped ZnSe quantum dots initiated mild and rapid cation exchange for tailoring the composition and optical properties of colloid nanocrystals: novel template, new applications. *Nanoscale*, **2017**, 9, 2824-2835	7.7	11
95	BODIPY-based fluorescent probes for mitochondria-targeted cell imaging with superior brightness, low cytotoxicity and high photostability. *Dyes and Pigments*, **2017**, 141, 530-535	4.6	26
94	Thermodynamics and Mechanisms of the Interactions between Ultrasmall Fluorescent Gold Nanoclusters and Human Serum Albumin, Globulins, and Transferrin: A Spectroscopic Approach. *Langmuir*, **2017**, 33, 5108-5116	4	54
93	Design, synthesis, cell imaging, kinetics and thermodynamics of reaction-based turn-on fluorescent probes for the detection of biothiols. *Dyes and Pigments*, **2017**, 145, 451-460	4.6	16
92	The relationship between the length of surface ligand and effects of CdTe quantum dots on the physiological functions of isolated mitochondria. *Chemosphere*, **2017**, 184, 1108-1116	8.4	15
91	Silver ion-induced mitochondrial dysfunction a nonspecific pathway. *Toxicology Research*, **2017**, 6, 621-630	2.6	15
90	Ultrasmall silver nanoclusters: Highly efficient antibacterial activity and their mechanisms. *Biomaterials Science*, **2017**, 5, 247-257	7.4	60
89	Indium (III) induces isolated mitochondrial permeability transition by inhibiting proton influx and triggering oxidative stress. *Journal of Inorganic Biochemistry*, **2017**, 177, 17-26	4.2	5
88	Toxicity of Pb on rat liver mitochondria induced by oxidative stress and mitochondrial permeability transition. *Toxicology Research*, **2017**, 6, 822-830	2.6	26
87	Red, Yellow, and Blue Luminescence by Graphene Quantum Dots: Syntheses, Mechanism, and Cellular Imaging. *ACS Applied Materials & Interfaces*, **2017**, 9, 24846-24856	9.5	117

86	Highly efficient and multidimensional extraction of targets from complex matrices using aptamer-driven recognition. *Nano Research*, **2017**, 10, 145-156	10	18
85	Fabrication of an acylhydrazone based fluorescence probe for Al3+. *Sensors and Actuators B: Chemical*, **2017**, 240, 916-925	8.5	47
84	Characterization of fullerenol-protein interactions and an extended investigation on cytotoxicity. *Colloids and Surfaces B: Biointerfaces*, **2017**, 157, 261-267	6	15
83	Interactions between carbon nanodots with human serum albumin and □globulins: The effects on the transportation function. *Journal of Hazardous Materials*, **2016**, 301, 242-9	12.8	90
82	A lysosome-targeted fluorescent sensor for the detection of glutathione in cells with an extremely fast response. *Chemical Communications*, **2016**, 52, 11579-82	5.8	42
81	Oxidative stress-mediated intrinsic apoptosis in human promyelocytic leukemia HL-60 cells induced by organic arsenicals. *Scientific Reports*, **2016**, 6, 29865	4.9	26
80	Rapid and Selective Detection of Pathogenic Bacteria in Bloodstream Infections with Aptamer-Based Recognition. *ACS Applied Materials & Interfaces*, **2016**, 8, 19371-8	9.5	77
79	Size Effects on the Interaction of QDs with the Mitochondrial Membrane In Vitro. *Journal of Membrane Biology*, **2016**, 249, 757-767	2.3	11
78	Mitochondrial dysfunction induced by ultra-small silver nanoclusters with a distinct toxic mechanism. *Journal of Hazardous Materials*, **2016**, 308, 139-48	12.8	31
77	Synthesis and application of lead dioxide nanowires for a PEM ozone generator. *Electrochimica Acta* , **2016**, 192, 357-362	6.7	7
76	Toxicity of polyhydroxylated fullerene to mitochondria. *Journal of Hazardous Materials*, **2016**, 301, 119-26	12.8	42
75	An in-depth kinetics study of chemically modified human serum albumin aggregation and fibrillation. *RSC Advances*, **2016**, 6, 107591-107597	3.7	4
74	Microcalorimetric studies on the energy release of isolated rat mitochondria under different concentrations of gadolinium (III). *Chemosphere*, **2016**, 153, 414-8	8.4	10
73	Carbon dots reduced and stabilized silver nanoclusters: synthesis and formation mechanisms. *RSC Advances*, **2016**, 6, 76989-76995	3.7	13
72	Conjugated 5-fluorouracil with mitochondria-targeting lipophilic cation: design, synthesis and biological evaluation. *MedChemComm*, **2016**, 7, 2016-2019	5	15
71	Membrane permeability transition and dysfunction of rice mitochondria effected by Er(III). *Journal of Membrane Biology*, **2015**, 248, 39-46	2.3	5
70	Rat Liver Mitochondrial Dysfunction Induced by an Organic Arsenical Compound 4-(2-Nitrobenzaliminyl) Phenyl Arsenoxide. *Journal of Membrane Biology*, **2015**, 248, 1071-8	2.3	7
69	Thermodynamic Properties of the Site-selective Binding of a Bromo-hydrazone and Its Unsubstituted Analogue to Human Serum Albumin. *Journal of Solution Chemistry*, **2015**, 44, 193-205	1.8	3

68	Resonance energy transfer, pH-induced folded states and the molecular interaction of human serum albumin and icariin. *Luminescence*, **2015**, 30, 1026-33	2.5	7
67	Spectroscopic and Microscopic Studies on the Mechanism of Mitochondrial Toxicity Induced by CdTe QDs Modified with Different Ligands. *Journal of Membrane Biology*, **2015**, 248, 727-40	2.3	21
66	Dysfunction of Rice Mitochondrial Membrane Induced by Yb3+. *Journal of Membrane Biology*, **2015**, 248, 1159-65	2.3	3
65	Comparison of interactions between human serum albumin and silver nanoparticles of different sizes using spectroscopic methods. *Luminescence*, **2015**, 30, 397-404	2.5	37
64	A novel bifunctional mitochondria-targeted anticancer agent with high selectivity for cancer cells. *Scientific Reports*, **2015**, 5, 13543	4.9	55
63	Mechanistic studies on the reversible photophysical properties of carbon nanodots at different pH. *Colloids and Surfaces B: Biointerfaces*, **2015**, 130, 207-14	6	25
62	One-step synthesis of silver nanoparticles using carbon dots as reducing and stabilizing agents and their antibacterial mechanisms. *Carbon*, **2015**, 94, 129-141	10.4	87
61	Necrotic cell death induced by the protein-mediated intercellular uptake of CdTe quantum dots. *Chemosphere*, **2015**, 135, 240-9	8.4	41
60	Highly efficient fluorescent BODIPY dyes for reaction-based sensing of fluoride ions. *Sensors and Actuators B: Chemical*, **2015**, 216, 558-562	8.5	26
59	Highly Photoluminescent Nitrogen-Doped Carbon Nanodots and Their Protective Effects against Oxidative Stress on Cells. *ACS Applied Materials & Interfaces*, **2015**, 7, 28346-52	9.5	68
58	Investigating the interactions of a novel anticancer delocalized lipophilic cation and its precursor compound with human serum albumin. *RSC Advances*, **2014**, 4, 18205	3.7	20
57	Multi-spectroscopic analysis and molecular modeling on the interaction of curcumin and its derivatives with human serum albumin: a comparative study. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2014**, 124, 265-76	4.4	41
56	Studies on the isolated mitochondrial damage induced by □-tocopheryl succinate and its interactions with human serum albumin. *RSC Advances*, **2014**, 4, 3913-3919	3.7	5
55	Chiral effect at protein/graphene interface: a bioinspired perspective to understand amyloid formation. *Journal of the American Chemical Society*, **2014**, 136, 10736-42	16.4	86
54	An electrochemical and surface plasmon resonance study of adsorption actions of DNA by Escherichia coli. *Colloids and Surfaces B: Biointerfaces*, **2014**, 117, 68-74	6	16
53	Comprehensive study of the adsorption of an acylhydrazone derivative by serum albumin: unclassical static quenching. *RSC Advances*, **2014**, 4, 59686-59696	3.7	11
52	Low temperature synthesis of highly stable phosphate functionalized two color carbon nanodots and their application in cell imaging. *Carbon*, **2014**, 66, 351-360	10.4	98
51	Exploring the interaction between rotenone and human serum albumin. *Journal of Chemical Thermodynamics*, **2014**, 69, 186-192	2.9	15

50	Mitochondrial dysfunction induced by different concentrations of gadolinium ion. *Chemosphere*, **2014**, 100, 194-9	8.4	33
49	A ratiometric "two-in-one" fluorescent chemodosimeter for fluoride and hydrogen sulfide. *Sensors and Actuators B: Chemical*, **2014**, 193, 701-707	8.5	43
48	The interactions between CdSe quantum dots and yeast Saccharomyces cerevisiae: adhesion of quantum dots to the cell surface and the protection effect of ZnS shell. *Chemosphere*, **2014**, 112, 92-9	8.4	21
47	Toxicity of CdTe QDs with different sizes targeted to HSA investigated by two electrochemical methods. *Molecular Biology Reports*, **2013**, 40, 1009-19	2.8	20
46	Exploiting the role of resveratrol in rat mitochondrial permeability transition. *Journal of Membrane Biology*, **2013**, 246, 365-73	2.3	18
45	Microcalorimetric studies of the effect of cerium (III) ion on isolated rice mitochondria fed by pyruvate. *Chemosphere*, **2013**, 91, 1577-82	8.4	6
44	High concentration of gadolinium ion modifying isolated rice mitochondrial biogenesis. *Biological Trace Element Research*, **2013**, 156, 308-15	4.5	9
43	Synthesis of F16 conjugated with 5-fluorouracil and biophysical investigation of its interaction with bovine serum albumin by a spectroscopic and molecular modeling approach. *Luminescence*, **2013**, 28, 865-72	2.5	8
42	Photophysics of three delocalized lipophilic cations in reverse micelles: A fluorescence spectroscopy study. *Journal of Luminescence*, **2013**, 134, 830-836	3.8	1
41	Ce(III)-induced rice mitochondrial permeability transition investigated by spectroscopic and microscopic studies. *Biological Trace Element Research*, **2013**, 152, 284-91	4.5	7
40	Comprehensive study of the interaction between a potential antiprion cationic porphyrin and human prion protein at different pH by using multiple spectroscopic methods. *Journal of Pharmaceutical Sciences*, **2013**, 102, 1076-85	3.9	2
39	Interaction between a cationic porphyrin and ctDNA investigated by SPR, CV and UV-vis spectroscopy. *Colloids and Surfaces B: Biointerfaces*, **2013**, 110, 321-6	6	15
38	Adhesion of quantum dots-induced membrane damage of Escherichia coli. *Journal of Colloid and Interface Science*, **2013**, 389, 61-70	9.3	30
37	Selective and sensitive fluorescent turn-off chemosensors for Fe3+. *Luminescence*, **2013**, 28, 602-6	2.5	32
36	Binding of fullerol to human serum albumin: spectroscopic and electrochemical approach. *Journal of Photochemistry and Photobiology B: Biology*, **2012**, 108, 34-43	6.7	56
35	Spectroscopic, structural and thermodynamic properties of chlorpyrifos bound to serum albumin: A comparative study between BSA and HSA. *Journal of Photochemistry and Photobiology B: Biology*, **2012**, 109, 1-11	6.7	142
34	Spectroscopic and electrochemical studies on the interaction of an inclusion complex of β-cyclodextrin/fullerene with bovine serum albumin in aqueous solution. *Journal of Photochemistry and Photobiology A: Chemistry*, **2012**, 228, 28-37	4.7	7
33	Conformation and Thermodynamic Properties of the Binding of Vitamin C to Human Serum Albumin. *Journal of Solution Chemistry*, **2012**, 41, 351-366	1.8	23

32	Probing the adverse temperature dependence in the static fluorescence quenching of BSA induced by a novel anticancer hydrazone. *Photochemical and Photobiological Sciences*, **2012**, 11, 1868-79	4.2	63
31	The adsorption of an anticancer hydrazone by protein: an unusual static quenching mechanism. *RSC Advances*, **2012**, 2, 501-513	3.7	61
30	Spectroscopic studies on the interactions between CdTe quantum dots coated with different ligands and human serum albumin. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 97, 366-76	4.4	59
29	Comparative study on the effects of two antifungal drugs against Candida albicans by microcalorimetry and transmission electron microscopy. *Thermochimica Acta*, **2012**, 543, 82-87	2.9	4
28	Immobilization of Escherichia coli for detection of phage T4 using surface plasmon resonance. *Science China Chemistry*, **2012**, 55, 1931-1939	7.9	8
27	Toxicity of nano zinc oxide to mitochondria. *Toxicology Research*, **2012**, 1, 137	2.6	60
26	Synthesis of three novel anionic gemini surfactants and comparative studies of their assemble behavior in the presence of bovine serum albumin. *Langmuir*, **2012**, 28, 5913-20	4	68
25	Toxicity of CdTe quantum dots on yeast Saccharomyces cerevisiae. *Small*, **2012**, 8, 2680-9	11	38
24	Interaction between a cationic porphyrin and bovine serum albumin studied by surface plasmon resonance, fluorescence spectroscopy and cyclic voltammetry. *Photochemical and Photobiological Sciences*, **2011**, 10, 1110-7	4.2	38
23	Biocompatible CdSe quantum dot-based photosensitizer under two-photon excitation for photodynamic therapy. *Journal of Materials Chemistry*, **2011**, 21, 2455		81
22	Mitochondria as target of quantum dots toxicity. *Journal of Hazardous Materials*, **2011**, 194, 440-4	12.8	60
21	A reaction-based chromogenic and fluorescent chemodosimeter for fluoride anions. *Chemical Communications*, **2011**, 47, 5503-5	5.8	91
20	Biophysical studies on the interactions of a classic mitochondrial uncoupler with bovine serum albumin by spectroscopic, isothermal titration calorimetric and molecular modeling methods. *Journal of Fluorescence*, **2011**, 21, 475-85	2.4	48
19	Spectroscopic and microscopic studies on the mechanisms of mitochondrial toxicity induced by different concentrations of cadmium. *Journal of Membrane Biology*, **2011**, 241, 39-49	2.3	36
18	Mitochondrial permeability transition induced by different concentrations of zinc. *Journal of Membrane Biology*, **2011**, 244, 105-12	2.3	21
17	Spectroscopic and molecular modeling studies on the interaction between a fluorine-containing triazole derivative and human serum albumin. *Biological Trace Element Research*, **2011**, 143, 562-78	4.5	8
16	Biophysical studies of the interaction between a triazole derivative and bovine serum albumin by multi-spectroscopic and molecular modeling methods. *Science China Chemistry*, **2011**, 54, 788-796	7.9	13
15	Interaction of Caffeine with Bovine Serum Albumin: Determination of Binding Constants and the Binding Site by Spectroscopic Methods. *Chinese Journal of Chemistry*, **2011**, 29, 433-440	4.9	12

14	A novel pH-sensitive (□)-□-tocopherol-5-fluorouracil adduct with antioxidant and anticancer properties. *Chemical Communications*, **2011**, 47, 10713-5	5.8	8
13	Syntheses, characterization, and photophysical properties of conjugated organometallic Pt-acetylide/Zn(II) porphyrin-containing oligomers. *Inorganic Chemistry*, **2010**, 49, 2614-23	5.1	42
12	Synthesis of a novel hydrazone derivative and biophysical studies of its interactions with bovine serum albumin by spectroscopic, electrochemical, and molecular docking methods. *Journal of Physical Chemistry B*, **2010**, 114, 14842-53	3.4	210
11	Microcalorimetric, spectroscopic and microscopic investigation on the toxic effects of CdTe quantum dots on Halobacterium halobium R1. *Nanotechnology*, **2010**, 21, 475102	3.4	18
10	Enhanced photocatalytic activities of TiO2 nanocomposites doped with water-soluble mercapto-capped CdTe quantum dots. *Applied Catalysis B: Environmental*, **2010**, 101, 118-129	21.8	59
9	An amphiphilic ruthenium(II)-polypyridyl appended porphyrin as potential bifunctional two-photon tumor-imaging and photodynamic therapeutic agent. *Journal of Inorganic Biochemistry*, **2010**, 104, 62-70	4.2	44
8	Interaction of coomassie brilliant blue G250 with human serum albumin: Probing of the binding mechanism and binding site by spectroscopic and molecular modeling methods. *Journal of Molecular Structure*, **2010**, 968, 24-31	3.4	30
7	Microcalorimetric and microscopic studies on the inhibitory activities of methylene blue/TiO2 nanocomposites on Staphylococcus aureus and the mechanism of cell damage. *Thermochimica Acta*, **2010**, 501, 8-12	2.9	7
6	Synthesis, Crystal Structure, and Photophysical Properties of Novel (Monophthalocyaninato)lanthanide Complexes Stabilized by an Organometallic Tripodal Ligand. *European Journal of Inorganic Chemistry*, **2009**, 2009, 1243-1247	2.3	19
5	Binding interaction of quinclorac with bovine serum albumin: a biophysical study. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2009**, 74, 781-7	4.4	107
4	An amphiphilic bisporphyrin and its Yb(III) complex: development of a bifunctional photodynamic therapeutic and near-infrared tumor-imaging agent. *ChemBioChem*, **2008**, 9, 1034-9	3.8	26
3	Synthesis, Structure and Spectroscopic Properties of Lanthanide Complexes of N-Confused Porphyrins. *European Journal of Inorganic Chemistry*, **2008**, 2008, 3151-3162	2.3	17
2	An ultrasonic wave-assisted synthesis of meso-amidinophenyl substituted porphyrins. *Tetrahedron Letters*, **2008**, 49, 2114-2118	2	5
1	Synthesis, Characterization, and Photophysical Properties of Some Heterodimetallic Bisporphyrins of Ytterbium and Transition Metals Enhancement and Lifetime Extension of Yb3+ Emission by Transition-Metal Porphyrin Sensitization. *European Journal of Inorganic Chemistry*, **2007**, 2007, 3365-3374	2.3	35