Feng-Lei Jiang

List of Publications by Year
in descending order

162 papers	5,429 citations	61945 43 h-index	110317 64 g-index
163 all docs	163 docs citations	163 times ranked	7296 citing authors

#	Article	IF	Citations
1	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, 14842-14853.	1.2	235
2	Recent Advances in Nanomaterialâ€Based Nanoplatforms for Chemodynamic Cancer Therapy. Advanced Functional Materials, 2021, 31, 2100243.	7.8	206
3	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.	1.7	166
4	Red, Yellow, and Blue Luminescence by Graphene Quantum Dots: Syntheses, Mechanism, and Cellular Imaging. ACS Applied Materials & Interfaces, 2017, 9, 24846-24856.	4.0	151
5	Binding interaction of quinclorac with bovine serum albumin: A biophysical study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 74, 781-787.	2.0	120
6	Low temperature synthesis of highly stable phosphate functionalized two color carbon nanodots and their application in cell imaging. Carbon, 2014, 66, 351-360.	5.4	117
7	One-step synthesis of silver nanoparticles using carbon dots as reducing and stabilizing agents and their antibacterial mechanisms. Carbon, 2015, 94, 129-141.	5.4	112
8	Chiral Effect at Protein/Graphene Interface: A Bioinspired Perspective To Understand Amyloid Formation. Journal of the American Chemical Society, 2014, 136, 10736-10742.	6.6	105
9	Interactions between carbon nanodots with human serum albumin and Î³-globulins: The effects on the transportation function. Journal of Hazardous Materials, 2016, 301, 242-249.	6.5	105
10	A reaction-based chromogenic and fluorescent chemodosimeter for fluoride anions. Chemical Communications, 2011, 47, 5503-5505.	2.2	103
11	Rapid and Selective Detection of Pathogenic Bacteria in Bloodstream Infections with Aptamer-Based Recognition. ACS Applied Materials & Interfaces, 2016, 8, 19371-19378.	4.0	93
12	Single-step synthesis of highly photoluminescent carbon dots for rapid detection of Hg2+ with excellent sensitivity. Journal of Colloid and Interface Science, 2019, 551, 101-110.	5.0	93
13	Biocompatible CdSe quantum dot-based photosensitizer under two-photon excitation for photodynamic therapy. Journal of Materials Chemistry, 2011, 21, 2455.	6.7	87
14	Highly Photoluminescent Nitrogen-Doped Carbon Nanodots and Their Protective Effects against Oxidative Stress on Cells. ACS Applied Materials & Interfaces, 2015, 7, 28346-28352.	4.0	81
15	Ultrasmall silver nanoclusters: Highly efficient antibacterial activity and their mechanisms. Biomaterials Science, 2017, 5, 247-257.	2.6	73
16	Probing the adverse temperature dependence in the static fluorescence quenching of BSA induced by a novel anticancer hydrazone. Photochemical and Photobiological Sciences, 2012, 11, 1868-1879.	1.6	72
17	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, 366-376.	2.0	72
18	Synthesis of Three Novel Anionic Gemini Surfactants and Comparative Studies of Their Assemble Behavior in the Presence of Bovine Serum Albumin. Langmuir, 2012, 28, 5913-5920.	1.6	71

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19	Enhanced photocatalytic activities of TiO2 nanocomposites doped with water-soluble mercapto-capped CdTe quantum dots. Applied Catalysis B: Environmental, 2010, 101, 118-129.	10.8	70
20	Toxicity of nano zinc oxide to mitochondria. Toxicology Research, 2012, 1, 137.	0.9	70
21	Thermodynamics and Mechanisms of the Interactions between Ultrasmall Fluorescent Gold Nanoclusters and Human Serum Albumin, Î³-Globulins, and Transferrin: A Spectroscopic Approach. Langmuir, 2017, 33, 5108-5116.	1.6	68
22	The adsorption of an anticancer hydrazone by protein: an unusual static quenching mechanism. RSC Advances, 2012, 2, 501-513.	1.7	67
23	Binding of fullerol to human serum albumin: Spectroscopic and electrochemical approach. Journal of Photochemistry and Photobiology B: Biology, 2012, 108, 34-43.	1.7	64
24	A novel bifunctional mitochondria-targeted anticancer agent with high selectivity for cancer cells. Scientific Reports, 2015, 5, 13543.	1.6	64
25	Mitochondria as target of Quantum dots toxicity. Journal of Hazardous Materials, 2011, 194, 440-444.	6.5	63
26	Fabrication of an acylhydrazone based fluorescence probe for Al3+. Sensors and Actuators B: Chemical, 2017, 240, 916-925.	4.0	61
27	Nitrogen and sulfur co-doped carbon dots with bright fluorescence for intracellular detection of iron ion and thiol. Journal of Colloid and Interface Science, 2022, 611, 255-264.	5.0	60
28	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.	5.0	57
29	A model beyond protein corona: thermodynamics and binding stoichiometries of the interactions between ultrasmall gold nanoclusters and proteins. Nanoscale, 2020, 12, 4573-4585.	2.8	57
30	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, 475-485.	1.3	52
31	An amphiphilic ruthenium(II)â€“polypyridyl appended porphyrin as potential bifunctional two-photon tumor-imaging and photodynamic therapeutic agent. Journal of Inorganic Biochemistry, 2010, 104, 62-70.	1.5	51
32	Toxicity of polyhydroxylated fullerene to mitochondria. Journal of Hazardous Materials, 2016, 301, 119-126.	6.5	50
33	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.	2.0	49
34	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, 265-276.	2.0	48
35	Comparison of interactions between human serum albumin and silver nanoparticles of different sizes using spectroscopic methods. Luminescence, 2015, 30, 397-404.	1.5	48
36	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.	4.0	48

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37	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, 1110-1117.	1.6	47
38	A ratiometric â€œtwo-in-oneâ€•fluorescent chemodosimeter for fluoride and hydrogen sulfide. Sensors and Actuators B: Chemical, 2014, 193, 701-707.	4.0	47
39	A lysosome-targeted fluorescent sensor for the detection of glutathione in cells with an extremely fast response. Chemical Communications, 2016, 52, 11579-11582.	2.2	47
40	Toxicity of Pb²⁺on rat liver mitochondria induced by oxidative stress and mitochondrial permeability transition. Toxicology Research, 2017, 6, 822-830.	0.9	47
41	Toxicity of CdTe Quantum Dots on Yeast Saccharomyces Cerevisiae. Small, 2012, 8, 2680-2689.	5.2	46
42	Necrotic cell death induced by the protein-mediated intercellular uptake of CdTe quantum dots. Chemosphere, 2015, 135, 240-249.	4.2	46
43	Syntheses, Characterization, and Photophysical Properties of Conjugated Organometallic Pt-Acetylide/Zn(II) Porphyrin-Containing Oligomers. Inorganic Chemistry, 2010, 49, 2614-2623.	1.9	45
44	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.	4.0	42
45	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.	3.2	42
46	BODIPY-based fluorescent probes for mitochondria-targeted cell imaging with superior brightness, low cytotoxicity and high photostability. Dyes and Pigments, 2017, 141, 530-535.	2.0	40
47	Spectroscopic and Microscopic Studies on the Mechanisms of Mitochondrial Toxicity Induced by Different Concentrations of Cadmium. Journal of Membrane Biology, 2011, 241, 39-49.	1.0	38
48	Synthesis, Characterization, and Photophysical Properties of Some Heterodimetallic Bisporphyrins of Ytterbium and Transition Metals â€“ Enhancement and Lifetime Extension of Yb3+ Emission by Transition-Metal Porphyrin Sensitization. European Journal of Inorganic Chemistry, 2007, 2007, 3365-3374.	1.0	37
49	Mitochondrial dysfunction induced by ultra-small silver nanoclusters with a distinct toxic mechanism. Journal of Hazardous Materials, 2016, 308, 139-148.	6.5	36
50	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.	1.8	35
51	Mitochondrial dysfunction induced by different concentrations of gadolinium ion. Chemosphere, 2014, 100, 194-199.	4.2	35
52	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.	2.0	35
53	Selective and sensitive fluorescent turnâ€off chemosensors for Fe³⁺. Luminescence, 2013, 28, 602-606.	1.5	34
54	Adhesion of quantum dots-induced membrane damage of Escherichia coli. Journal of Colloid and Interface Science, 2013, 389, 61-70.	5.0	31

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55	FÃ¶rster Resonance Energy Transfer from Quantum Dots to Rhodamine B As Mediated by a Cationic Surfactant: AÂThermodynamic Perspective. Journal of Physical Chemistry C, 2018, 122, 1148-1157.	1.5	31
56	Thermodynamic Implications of the Ligand Exchange with Alkylamines on the Surface of CdSe Quantum Dots: The Importance of Ligandâ€“Ligand Interactions. Journal of Physical Chemistry C, 2020, 124, 4613-4625.	1.5	31
57	Oxidative stress-mediated intrinsic apoptosis in human promyelocytic leukemia HL-60 cells induced by organic arsenicals. Scientific Reports, 2016, 6, 29865.	1.6	30
58	Mechanistic studies on the reversible photophysical properties of carbon nanodots at different pH. Colloids and Surfaces B: Biointerfaces, 2015, 130, 207-214.	2.5	29
59	Highly efficient fluorescent BODIPY dyes for reaction-based sensing of fluoride ions. Sensors and Actuators B: Chemical, 2015, 216, 558-562.	4.0	29
60	Active site-targeted carbon dots for the inhibition of human insulin fibrillation. Journal of Materials Chemistry B, 2017, 5, 2010-2018.	2.9	29
61	An Amphiphilic Bisporphyrin and Its Yb^{III} Complex: Development of a Bifunctional Photodynamic Therapeutic and Nearâ€Infrared Tumorâ€Imaging Agent. ChemBioChem, 2008, 9, 1034-1039.	1.3	28
62	Microwave-assisted synthesis, characterization, cell imaging of fluorescent carbon dots using <scp>l</scp>-asparagine as precursor. New Journal of Chemistry, 2019, 43, 3323-3331.	1.4	28
63	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, 92-99.	4.2	27
64	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.	4.0	27
65	Organic arsenicals target thioredoxin reductase followed by oxidative stress and mitochondrial dysfunction resulting in apoptosis. European Journal of Medicinal Chemistry, 2018, 143, 1090-1102.	2.6	26
66	Investigating the interactions of a novel anticancer delocalized lipophilic cation and its precursor compound with human serum albumin. RSC Advances, 2014, 4, 18205.	1.7	25
67	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.	2.3	25
68	Au_xAg_{1â€“x} 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.	2.4	25
69	Real-Time Imaging of Intracellular Glutathione Levels Based on a Ratiometric Fluorescent Probe with Extremely Fast Response. Analytical Chemistry, 2020, 92, 10068-10075.	3.2	25
70	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.	3.6	24
71	Mitochondria-Targeted BODIPY Nanoparticles for Enhanced Photothermal and Photoacoustic Imaging In Vivo. ACS Applied Bio Materials, 2021, 4, 1760-1770.	2.3	24
72	Conformation and Thermodynamic Properties of the Binding of Vitamin C to Human Serum Albumin. Journal of Solution Chemistry, 2012, 41, 351-366.	0.6	23

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73	Toxicity of CdTe QDs with different sizes targeted to HSA investigated by two electrochemical methods. Molecular Biology Reports, 2013, 40, 1009-1019.	1.0	23
74	Concentration-tuned multicolor carbon dots: microwave-assisted synthesis, characterization, mechanism and applications. New Journal of Chemistry, 2019, 43, 8950-8957.	1.4	23
75	Near-infrared Zn-doped Cu₂S quantum dots: an ultrasmall theranostic agent for tumor cell imaging and chemodynamic therapy. Nanoscale, 2021, 13, 3673-3685.	2.8	23
76	Characterization of fullerenol-protein interactions and an extended investigation on cytotoxicity. Colloids and Surfaces B: Biointerfaces, 2017, 157, 261-267.	2.5	23
77	Spectroscopic and Microscopic Studies on the Mechanism of Mitochondrial Toxicity Induced by CdTe QDs Modified with Different Ligands. Journal of Membrane Biology, 2015, 248, 727-740.	1.0	22
78	Mitochondrial Permeability Transition Induced by Different Concentrations of Zinc. Journal of Membrane Biology, 2011, 244, 105-112.	1.0	21
79	Cytotoxicity of CdTe quantum dots with different surface coatings against yeast Saccharomyces cerevisiae. Ecotoxicology and Environmental Safety, 2019, 174, 467-474.	2.9	21
80	Synthesis, Structure and Spectroscopic Properties of Lanthanide Complexes ofNâ€Confused Porphyrins. European Journal of Inorganic Chemistry, 2008, 2008, 3151-3162.	1.0	20
81	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.	1.0	20
82	Microcalorimetric, spectroscopic and microscopic investigation on the toxic effects of CdTe quantum dots onHalobacterium halobiumR1. Nanotechnology, 2010, 21, 475102.	1.3	20
83	Conjugated 5-fluorouracil with mitochondria-targeting lipophilic cation: design, synthesis and biological evaluation. MedChemComm, 2016, 7, 2016-2019.	3.5	20
84	Synthesis and application of lead dioxide nanowires for a PEM ozone generator. Electrochimica Acta, 2016, 192, 357-362.	2.6	20
85	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.	1.2	20
86	Highly efficient and multidimensional extraction of targets from complex matrices using aptamer-driven recognition. Nano Research, 2017, 10, 145-156.	5.8	20
87	The interactions of CdTe quantum dots with serum albumin and subsequent cytotoxicity: the influence of homologous ligands. Toxicology Research, 2018, 7, 147-155.	0.9	20
88	Thermodynamics, Kinetics and Mechanisms of Noncompetitive Allosteric Inhibition of Chymotrypsin by Dihydrolipoic Acid-Coated Gold Nanoclusters. Langmuir, 2020, 36, 6447-6457.	1.6	20
89	Thermodynamic Implications and Time Evolution of the Interactions of Near-Infrared PbS Quantum Dots with Human Serum Albumin. ACS Omega, 2021, 6, 5569-5581.	1.6	20
90	Exploiting the Role of Resveratrol in Rat Mitochondrial Permeability Transition. Journal of Membrane Biology, 2013, 246, 365-373.	1.0	19

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91	In vitro modulation of mercury-induced rat liver mitochondria dysfunction. Toxicology Research, 2018, 7, 1135-1143.	0.9	19
92	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.	4.0	19
93	Chiral Cu_{2â€“x}Se Nanoparticles for Enhanced Synergistic Cancer Chemodynamic/Photothermal Therapy in the Second Near-Infrared Biowindow. ACS Applied Materials & Interfaces, 2021, 13, 60933-60944.	4.0	19
94	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.	2.0	18
95	Uncoupling Effect of F16 Is Responsible for Its Mitochondrial Toxicity and Anticancer Activity. Toxicological Sciences, 2018, 161, 431-442.	1.4	18
96	High-Oxygen-Content Carbon Dots as a High-Efficiency Inhibitor of Human Insulin Aggregation. ACS Applied Bio Materials, 2019, 2, 4067-4076.	2.3	18
97	N,S-Codoped Carbon Dots with Red Fluorescence and Their Cellular Imaging. ACS Applied Bio Materials, 2021, 4, 4973-4981.	2.3	18
98	Fluorescent Labeling of Human Serum Albumin by Thiol-Cyanimide Addition and Its Application in the Fluorescence Quenching Method for Nanoparticleâ€“Protein Interactions. Analytical Chemistry, 2022, 94, 3111-3119.	3.2	18
99	Exploring the interaction between rotenone and human serum albumin. Journal of Chemical Thermodynamics, 2014, 69, 186-192.	1.0	17
100	An electrochemical and surface plasmon resonance study of adsorption actions of DNA by Escherichia coli. Colloids and Surfaces B: Biointerfaces, 2014, 117, 68-74.	2.5	17
101	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.	4.2	17
102	Silver ion-induced mitochondrial dysfunction via a nonspecific pathway. Toxicology Research, 2017, 6, 621-630.	0.9	17
103	Molecular Mechanisms of the Ultra-Strong Inhibition Effect of Oxidized Carbon Dots on Human Insulin Fibrillation. ACS Applied Bio Materials, 2020, 3, 217-226.	2.3	17
104	Carbon dots reduced and stabilized silver nanoclusters: synthesis and formation mechanisms. RSC Advances, 2016, 6, 76989-76995.	1.7	16
105	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.	2.8	16
106	Surface functional groups affect CdTe QDs behavior at mitochondrial level. Toxicology Research, 2018, 7, 1071-1080.	0.9	16
107	A mitochondria-targeted organic arsenical accelerates mitochondrial metabolic disorder and function injury. Bioorganic and Medicinal Chemistry, 2019, 27, 760-768.	1.4	16
108	Cu-Deficient CuInSe Quantum Dots for â€œTurn-Onâ€•Detection of Adenosine Triphosphate in Living Cells. ACS Applied Nano Materials, 2021, 4, 6057-6066.	2.4	16

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109	Interaction between a cationic porphyrin and ctDNA investigated by SPR, CV and UVâ€“vis spectroscopy. Colloids and Surfaces B: Biointerfaces, 2013, 110, 321-326.	2.5	15
110	Comprehensive study of the adsorption of an acylhydrazone derivative by serum albumin: unclassical static quenching. RSC Advances, 2014, 4, 59686-59696.	1.7	14
111	Size Effects on the Interaction of QDs with the Mitochondrial Membrane In Vitro. Journal of Membrane Biology, 2016, 249, 757-767.	1.0	14
112	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.	4.2	13
113	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.	2.6	13
114	Pyridinium and indole orientation determines the mitochondrial uncoupling and anti-cancer efficiency of F16. European Journal of Medicinal Chemistry, 2018, 154, 305-313.	2.6	13
115	pH-Sensitive Bioprobe for Multichannel Mitochondrial Imaging and Photodynamic Therapy. Analytical Chemistry, 2022, 94, 4126-4133.	3.2	13
116	Microcalorimetric studies on the energy release of isolated rat mitochondria under different concentrations of gadolinium (III). Chemosphere, 2016, 153, 414-418.	4.2	12
117	Synthesis of F16 conjugated with 5â€fluorouracil and biophysical investigation of its interaction with bovine serum albumin by a spectroscopic and molecular modeling approach. Luminescence, 2013, 28, 865-872.	1.5	11
118	Resonance energy transfer, pHâ€induced folded states and the molecular interaction of human serum albumin and icariin. Luminescence, 2015, 30, 1026-1033.	1.5	11
119	Mitochondrial toxicity of organic arsenicals: membrane permeability transition pore opening and respiratory dysfunction. Toxicology Research, 2018, 7, 191-200.	0.9	11
120	LDHA Suppression Altering Metabolism Inhibits Tumor Progress by an Organic Arsenical. International Journal of Molecular Sciences, 2019, 20, 6239.	1.8	11
121	A novel pH-sensitive (Â±)-Î±-tocopherolâ€“5-fluorouracil adduct with antioxidant and anticancer properties. Chemical Communications, 2011, 47, 10713.	2.2	10
122	High Concentration of Gadolinium Ion Modifying Isolated Rice Mitochondrial Biogenesis. Biological Trace Element Research, 2013, 156, 308-315.	1.9	10
123	Aglycone Polyether Nanchangmycin and Its Homologues Exhibit Apoptotic and Antiproliferative Activities against Cancer Stem Cells. ACS Pharmacology and Translational Science, 2018, 1, 84-95.	2.5	10
124	Zn-doped Cu2S 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.	3.6	10
125	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.	4.0	10
126	Immobilization of Escherichia coli for detection of phage T4 using surface plasmon resonance. Science China Chemistry, 2012, 55, 1931-1939.	4.2	9

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127	Ce(III)-Induced Rice Mitochondrial Permeability Transition Investigated by Spectroscopic and Microscopic Studies. Biological Trace Element Research, 2013, 152, 284-291.	1.9	9
128	Rat Liver Mitochondrial Dysfunction Induced by an Organic Arsenical Compound 4-(2-Nitrobenzaliminyl) Phenyl Arsenoxide. Journal of Membrane Biology, 2015, 248, 1071-1078.	1.0	9
129	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.	1.6	9
130	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.	1.2	8
131	Spectroscopic and Molecular Modeling Studies on the Interaction Between a Fluorine-Containing Triazole Derivative and Human Serum Albumin. Biological Trace Element Research, 2011, 143, 562-578.	1.9	8
132	Microcalorimetric studies of the effect of cerium (Ð˙) on isolated rice mitochondria fed by pyruvate. Chemosphere, 2013, 91, 1577-1582.	4.2	8
133	New aspects of the environmental risks of quantum dots: prophage activation. Environmental Science: Nano, 2018, 5, 1556-1566.	2.2	8
134	Dual Inhibition of Pyruvate Dehydrogenase Complex and Respiratory Chain Complex Induces Apoptosis by a Mitochondriaâ€Targeted Fluorescent Organic Arsenical inâ€…vitro and inâ€…vivo. ChemMedChem, 2020, 15, 552-558.	1.6	8
135	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.	2.0	8
136	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.	2.9	8
137	Spectroscopic and electrochemical studies on the interaction of an inclusion complex of Î²-cyclodextrin/fullerene with bovine serum albumin in aqueous solution. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 228, 28-37.	2.0	7
138	Indium (III) induces isolated mitochondrial permeability transition by inhibiting proton influx and triggering oxidative stress. Journal of Inorganic Biochemistry, 2017, 177, 17-26.	1.5	7
139	A fast and reliable method for monitoring of prophageâ€activating chemicals. Microbial Biotechnology, 2018, 11, 1112-1120.	2.0	7
140	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.	1.1	7
141	Mitochondrial toxicity induced by a thiourea gold(i) complex: mitochondrial permeability transition and respiratory deficit. Toxicology Research, 2018, 7, 1081-1090.	0.9	7
142	Graphene Quantum Dots Induce Autophagy and Reveal Protection Against Hydrogen Peroxide-Induced Oxidative Stress Injury. ACS Applied Bio Materials, 2019, 2, 5760-5768.	2.3	7
143	An ultrasonic wave-assisted synthesis of meso-amidinophenyl substituted porphyrins. Tetrahedron Letters, 2008, 49, 2114-2118.	0.7	6
144	Studies on the isolated mitochondrial damage induced by Î±-tocopheryl succinate and its interactions with human serum albumin. RSC Advances, 2014, 4, 3913-3919.	1.7	6

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145	Dysfunction of Rice Mitochondrial Membrane Induced by Yb3+. Journal of Membrane Biology, 2015, 248, 1159-1165.	1.0	6
146	An in-depth kinetics study of chemically modified human serum albumin aggregation and fibrillation. RSC Advances, 2016, 6, 107591-107597.	1.7	6
147	Rapid cultureâ€based detection of Legionella pneumophila using isothermal microcalorimetry with an improved evaluation method. Microbial Biotechnology, 2020, 13, 1262-1272.	2.0	6
148	Inhibition of Autophagy via Lysosomal Impairment Enhances Cytotoxicity of Fullerenol under Starvation Condition. ACS Applied Bio Materials, 2020, 3, 977-985.	2.3	6
149	Insights into Mechanism of AÎ²₄₂ Fibril Growth on Surface of Graphene Oxides: Oxidative Degree Matters. Advanced Healthcare Materials, 2021, 10, e2100436.	3.9	6
150	Membrane Permeability Transition and Dysfunction of Rice Mitochondria Effected by Er(III). Journal of Membrane Biology, 2015, 248, 39-46.	1.0	5
151	Thermodynamics of the Interaction Between Graphene Quantum Dots with Human Serum Albumin and Î³-Globulins. Journal of Solution Chemistry, 2020, 49, 100-116.	0.6	5
152	Tuning long-term mitochondrial imaging and photodynamic therapy capabilities through rational design of aggregation-induced emission luminogens. Sensors and Actuators B: Chemical, 2022, 368, 132213.	4.0	5
153	Comparative study on the effects of two antifungal drugs against Candida albicans by microcalorimetry and transmission electron microscopy. Thermochimica Acta, 2012, 543, 82-87.	1.2	4
154	Rapid preparation of water-soluble Ag@Au nanoclusters with bright deep-red emission. Chemical Communications, 2022, 58, 2492-2495.	2.2	4
155	Mitochondrial Targeting Long-Term Near-Infrared Imaging and Photodynamic Therapy Aggregation-Induced Emission Luminogens Manipulated by Thiophene. Journal of Physical Chemistry Letters, 2022, 13, 3462-3469.	2.1	4
156	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.	0.6	3
157	Multifunctional Probes with High Utilization Rates: Self-Assembled Merocyanine Nanoparticles in Water as Acidâ€“Base Indicators and Mitochondrion-Targeting Chemotherapeutic Agents. Journal of Physical Chemistry Letters, 2022, 13, 1090-1098.	2.1	3
158	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, 1076-1085.	1.6	2
159	An enhanced bioindicator for calorimetric monitoring of prophageâ€activating chemicals in the trace concentration range. Engineering in Life Sciences, 2018, 18, 475-483.	2.0	2
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