

Feng-Lei Jiang

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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	Synthesis of a novel hydrazone derivative and biophysical studies of its interactions with bovine serum albumin by spectroscopic, electrochemical, and molecular docking methods. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 14842-53	3.4	210
156	Spectroscopic, structural and thermodynamic properties of chlorpyrifos bound to serum albumin: A comparative study between BSA and HSA. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 109, 1-11	6.7	142
155	Red, Yellow, and Blue Luminescence by Graphene Quantum Dots: Syntheses, Mechanism, and Cellular Imaging. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 24846-24856	9.5	117
154	Binding interaction of quinclorac with bovine serum albumin: a biophysical study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2009 , 74, 781-7	4.4	107
153	Low temperature synthesis of highly stable phosphate functionalized two color carbon nanodots and their application in cell imaging. <i>Carbon</i> , 2014 , 66, 351-360	10.4	98
152	A reaction-based chromogenic and fluorescent chemodosimeter for fluoride anions. <i>Chemical Communications</i> , 2011 , 47, 5503-5	5.8	91
151	Interactions between carbon nanodots with human serum albumin and Iglobulins: The effects on the transportation function. <i>Journal of Hazardous Materials</i> , 2016 , 301, 242-9	12.8	90
150	One-step synthesis of silver nanoparticles using carbon dots as reducing and stabilizing agents and their antibacterial mechanisms. <i>Carbon</i> , 2015 , 94, 129-141	10.4	87
149	Chiral effect at protein/graphene interface: a bioinspired perspective to understand amyloid formation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 10736-42	16.4	86
148	Biocompatible CdSe quantum dot-based photosensitizer under two-photon excitation for photodynamic therapy. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2455		81
147	Rapid and Selective Detection of Pathogenic Bacteria in Bloodstream Infections with Aptamer-Based Recognition. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19371-8	9.5	77
146	Highly Photoluminescent Nitrogen-Doped Carbon Nanodots and Their Protective Effects against Oxidative Stress on Cells. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 28346-52	9.5	68
145	Synthesis of three novel anionic gemini surfactants and comparative studies of their assemble behavior in the presence of bovine serum albumin. <i>Langmuir</i> , 2012 , 28, 5913-20	4	68
144	Probing the adverse temperature dependence in the static fluorescence quenching of BSA induced by a novel anticancer hydrazone. <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 1868-79	4.2	63
143	The adsorption of an anticancer hydrazone by protein: an unusual static quenching mechanism. <i>RSC Advances</i> , 2012 , 2, 501-513	3.7	61
142	Ultrasmall silver nanoclusters: Highly efficient antibacterial activity and their mechanisms. <i>Biomaterials Science</i> , 2017 , 5, 247-257	7.4	60
141	Toxicity of nano zinc oxide to mitochondria. <i>Toxicology Research</i> , 2012 , 1, 137	2.6	60

140	Mitochondria as target of quantum dots toxicity. <i>Journal of Hazardous Materials</i> , 2011 , 194, 440-4	12.8	60
139	Recent Advances in Nanomaterial-Based Nanoplatfoms for Chemodynamic Cancer Therapy. <i>Advanced Functional Materials</i> , 2021 , 31, 2100243	15.6	60
138	Spectroscopic studies on the interactions between CdTe quantum dots coated with different ligands and human serum albumin. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012 , 97, 366-76	4.4	59
137	Enhanced photocatalytic activities of TiO ₂ nanocomposites doped with water-soluble mercapto-capped CdTe quantum dots. <i>Applied Catalysis B: Environmental</i> , 2010 , 101, 118-129	21.8	59
136	Binding of fullerol to human serum albumin: spectroscopic and electrochemical approach. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2012 , 108, 34-43	6.7	56
135	A novel bifunctional mitochondria-targeted anticancer agent with high selectivity for cancer cells. <i>Scientific Reports</i> , 2015 , 5, 13543	4.9	55
134	Thermodynamics and Mechanisms of the Interactions between Ultrasmall Fluorescent Gold Nanoclusters and Human Serum Albumin, γ -Globulins, and Transferrin: A Spectroscopic Approach. <i>Langmuir</i> , 2017 , 33, 5108-5116	4	54
133	Biophysical studies on the interactions of a classic mitochondrial uncoupler with bovine serum albumin by spectroscopic, isothermal titration calorimetric and molecular modeling methods. <i>Journal of Fluorescence</i> , 2011 , 21, 475-85	2.4	48
132	Fabrication of an acylhydrazone based fluorescence probe for Al ³⁺ . <i>Sensors and Actuators B: Chemical</i> , 2017 , 240, 916-925	8.5	47
131	An amphiphilic ruthenium(II)-polypyridyl appended porphyrin as potential bifunctional two-photon tumor-imaging and photodynamic therapeutic agent. <i>Journal of Inorganic Biochemistry</i> , 2010 , 104, 62-70 ^{4.2}		44
130	A ratiometric two-in-one fluorescent chemodosimeter for fluoride and hydrogen sulfide. <i>Sensors and Actuators B: Chemical</i> , 2014 , 193, 701-707	8.5	43
129	Single-step synthesis of highly photoluminescent carbon dots for rapid detection of Hg with excellent sensitivity. <i>Journal of Colloid and Interface Science</i> , 2019 , 551, 101-110	9.3	42
128	A lysosome-targeted fluorescent sensor for the detection of glutathione in cells with an extremely fast response. <i>Chemical Communications</i> , 2016 , 52, 11579-82	5.8	42
127	Toxicity of polyhydroxylated fullerene to mitochondria. <i>Journal of Hazardous Materials</i> , 2016 , 301, 119-26 ^{2.8}		42
126	Syntheses, characterization, and photophysical properties of conjugated organometallic Pt-acetylide/Zn(II) porphyrin-containing oligomers. <i>Inorganic Chemistry</i> , 2010 , 49, 2614-23	5.1	42
125	Multi-spectroscopic analysis and molecular modeling on the interaction of curcumin and its derivatives with human serum albumin: a comparative study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014 , 124, 265-76	4.4	41
124	Necrotic cell death induced by the protein-mediated intercellular uptake of CdTe quantum dots. <i>Chemosphere</i> , 2015 , 135, 240-9	8.4	41
123	Toxicity of CdTe quantum dots on yeast <i>Saccharomyces cerevisiae</i> . <i>Small</i> , 2012 , 8, 2680-9	11	38

122	Interaction between a cationic porphyrin and bovine serum albumin studied by surface plasmon resonance, fluorescence spectroscopy and cyclic voltammetry. <i>Photochemical and Photobiological Sciences</i> , 2011 , 10, 1110-7	4.2	38
121	Comparison of interactions between human serum albumin and silver nanoparticles of different sizes using spectroscopic methods. <i>Luminescence</i> , 2015 , 30, 397-404	2.5	37
120	Spectroscopic and microscopic studies on the mechanisms of mitochondrial toxicity induced by different concentrations of cadmium. <i>Journal of Membrane Biology</i> , 2011 , 241, 39-49	2.3	36
119	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. <i>Dyes and Pigments</i> , 2019 , 165, 383-390	4.6	36
118	A novel method for the detection of silver ions with carbon dots: Excellent selectivity, fast response, low detection limit and good applicability. <i>Sensors and Actuators B: Chemical</i> , 2018 , 267, 627-635	8.5	35
117	Synthesis, Characterization, and Photophysical Properties of Some Heterodimetallic Bisporphyrins of Ytterbium and Transition Metals [Enhancement and Lifetime Extension of Yb ³⁺ Emission by Transition-Metal Porphyrin Sensitization. <i>European Journal of Inorganic Chemistry</i> , 2007 , 2007, 3365-3374	2.3	35
116	Mitochondrial dysfunction induced by different concentrations of gadolinium ion. <i>Chemosphere</i> , 2014 , 100, 194-9	8.4	33
115	Selective and sensitive fluorescent turn-off chemosensors for Fe ³⁺ . <i>Luminescence</i> , 2013 , 28, 602-6	2.5	32
114	Highly selective and sensitive detection of Hg ²⁺ based on fluorescence enhancement of Mn-doped ZnSe QDs by Hg ²⁺ -Mn ²⁺ replacement. <i>Sensors and Actuators B: Chemical</i> , 2018 , 254, 8-15	8.5	31
113	Mitochondrial dysfunction induced by ultra-small silver nanoclusters with a distinct toxic mechanism. <i>Journal of Hazardous Materials</i> , 2016 , 308, 139-48	12.8	31
112	Adhesion of quantum dots-induced membrane damage of Escherichia coli. <i>Journal of Colloid and Interface Science</i> , 2013 , 389, 61-70	9.3	30
111	Interaction of coomassie brilliant blue G250 with human serum albumin: Probing of the binding mechanism and binding site by spectroscopic and molecular modeling methods. <i>Journal of Molecular Structure</i> , 2010 , 968, 24-31	3.4	30
110	Luminescent carbon dots with concentration-dependent emission in solution and yellow emission in solid state. <i>Journal of Colloid and Interface Science</i> , 2020 , 565, 77-85	9.3	27
109	BODIPY-based fluorescent probes for mitochondria-targeted cell imaging with superior brightness, low cytotoxicity and high photostability. <i>Dyes and Pigments</i> , 2017 , 141, 530-535	4.6	26
108	Toxicity of Pb on rat liver mitochondria induced by oxidative stress and mitochondrial permeability transition. <i>Toxicology Research</i> , 2017 , 6, 822-830	2.6	26
107	A model beyond protein corona: thermodynamics and binding stoichiometries of the interactions between ultrasmall gold nanoclusters and proteins. <i>Nanoscale</i> , 2020 , 12, 4573-4585	7.7	26
106	Oxidative stress-mediated intrinsic apoptosis in human promyelocytic leukemia HL-60 cells induced by organic arsenicals. <i>Scientific Reports</i> , 2016 , 6, 29865	4.9	26
105	Highly efficient fluorescent BODIPY dyes for reaction-based sensing of fluoride ions. <i>Sensors and Actuators B: Chemical</i> , 2015 , 216, 558-562	8.5	26

104	An amphiphilic bisporphyrin and its Yb(III) complex: development of a bifunctional photodynamic therapeutic and near-infrared tumor-imaging agent. <i>ChemBioChem</i> , 2008 , 9, 1034-9	3.8	26
103	A BODIPY-based mitochondria-targeted turn-on fluorescent probe with dual response units for the rapid detection of intracellular biothiols. <i>Dyes and Pigments</i> , 2018 , 152, 29-35	4.6	25
102	Mechanistic studies on the reversible photophysical properties of carbon nanodots at different pH. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 130, 207-14	6	25
101	Active site-targeted carbon dots for the inhibition of human insulin fibrillation. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 2010-2018	7.3	23
100	Förster Resonance Energy Transfer from Quantum Dots to Rhodamine B As Mediated by a Cationic Surfactant: A Thermodynamic Perspective. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 1148-1157	3.8	23
99	Conformation and Thermodynamic Properties of the Binding of Vitamin C to Human Serum Albumin. <i>Journal of Solution Chemistry</i> , 2012 , 41, 351-366	1.8	23
98	Spectroscopic and Microscopic Studies on the Mechanism of Mitochondrial Toxicity Induced by CdTe QDs Modified with Different Ligands. <i>Journal of Membrane Biology</i> , 2015 , 248, 727-40	2.3	21
97	The interactions between CdSe quantum dots and yeast <i>Saccharomyces cerevisiae</i> : adhesion of quantum dots to the cell surface and the protection effect of ZnS shell. <i>Chemosphere</i> , 2014 , 112, 92-9	8.4	21
96	Mitochondrial permeability transition induced by different concentrations of zinc. <i>Journal of Membrane Biology</i> , 2011 , 244, 105-12	2.3	21
95	Organic arsenicals target thioredoxin reductase followed by oxidative stress and mitochondrial dysfunction resulting in apoptosis. <i>European Journal of Medicinal Chemistry</i> , 2018 , 143, 1090-1102	6.8	20
94	Investigating the interactions of a novel anticancer delocalized lipophilic cation and its precursor compound with human serum albumin. <i>RSC Advances</i> , 2014 , 4, 18205	3.7	20
93	Toxicity of CdTe QDs with different sizes targeted to HSA investigated by two electrochemical methods. <i>Molecular Biology Reports</i> , 2013 , 40, 1009-19	2.8	20
92	AuAg ₁₀ Nanocomposites with 40-Fold Emission Enhancement Formed by the Electrostatic Assembly of Gold Nanoclusters and Silver Nanoclusters for Bioimaging and Bioanalysis. <i>ACS Applied Nano Materials</i> , 2019 , 2, 408-417	5.6	20
91	Synthesis, Crystal Structure, and Photophysical Properties of Novel (Monophthalocyaninato)lanthanide Complexes Stabilized by an Organometallic Tripodal Ligand. <i>European Journal of Inorganic Chemistry</i> , 2009 , 2009, 1243-1247	2.3	19
90	Thermodynamic Implications of the Ligand Exchange with Alkylamines on the Surface of CdSe Quantum Dots: The Importance of Ligand-Ligand Interactions. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 4613-4625	3.8	18
89	Exploiting the role of resveratrol in rat mitochondrial permeability transition. <i>Journal of Membrane Biology</i> , 2013 , 246, 365-73	2.3	18
88	Highly efficient and multidimensional extraction of targets from complex matrices using aptamer-driven recognition. <i>Nano Research</i> , 2017 , 10, 145-156	10	18
87	Microcalorimetric, spectroscopic and microscopic investigation on the toxic effects of CdTe quantum dots on <i>Halobacterium halobium</i> R1. <i>Nanotechnology</i> , 2010 , 21, 475102	3.4	18

86	Identification of Binding Modes for Amino Naphthalene 2-Cyanoacrylate (ANCA) Probes to Amyloid Fibrils from Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 1211-1221	3.4	17
85	Synthesis, Structure and Spectroscopic Properties of Lanthanide Complexes of N-Confused Porphyrins. <i>European Journal of Inorganic Chemistry</i> , 2008 , 2008, 3151-3162	2.3	17
84	Design, synthesis, cell imaging, kinetics and thermodynamics of reaction-based turn-on fluorescent probes for the detection of biothiols. <i>Dyes and Pigments</i> , 2017 , 145, 451-460	4.6	16
83	Uncoupling Effect of F16 Is Responsible for Its Mitochondrial Toxicity and Anticancer Activity. <i>Toxicological Sciences</i> , 2018 , 161, 431-442	4.4	16
82	Rapid and Reversible Reaction-Based Ratiometric Fluorescent Probe for Imaging of Different Glutathione Levels in Living Cells.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4503-4514	4.1	16
81	An electrochemical and surface plasmon resonance study of adsorption actions of DNA by Escherichia coli. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 117, 68-74	6	16
80	On the Route to Quantitative Detection and Real-Time Monitoring of Glutathione in Living Cells by Reversible Fluorescent Probes. <i>Analytical Chemistry</i> , 2020 , 92, 14285-14291	7.8	16
79	The relationship between the length of surface ligand and effects of CdTe quantum dots on the physiological functions of isolated mitochondria. <i>Chemosphere</i> , 2017 , 184, 1108-1116	8.4	15
78	Silver ion-induced mitochondrial dysfunction a nonspecific pathway. <i>Toxicology Research</i> , 2017 , 6, 621-630	6.6	15
77	Concentration-tuned multicolor carbon dots: microwave-assisted synthesis, characterization, mechanism and applications. <i>New Journal of Chemistry</i> , 2019 , 43, 8950-8957	3.6	15
76	Microwave-assisted synthesis, characterization, cell imaging of fluorescent carbon dots using L-asparagine as precursor. <i>New Journal of Chemistry</i> , 2019 , 43, 3323-3331	3.6	15
75	Exploring the interaction between rotenone and human serum albumin. <i>Journal of Chemical Thermodynamics</i> , 2014 , 69, 186-192	2.9	15
74	Interaction between a cationic porphyrin and ctDNA investigated by SPR, CV and UV-vis spectroscopy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 110, 321-6	6	15
73	Characterization of fullerene-protein interactions and an extended investigation on cytotoxicity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 157, 261-267	6	15
72	Conjugated 5-fluorouracil with mitochondria-targeting lipophilic cation: design, synthesis and biological evaluation. <i>MedChemComm</i> , 2016 , 7, 2016-2019	5	15
71	Cytotoxicity of CdTe quantum dots with different surface coatings against yeast <i>Saccharomyces cerevisiae</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019 , 174, 467-474	7	14
70	Bridge between Temperature and Light: Bottom-Up Synthetic Route to Structure-Defined Graphene Quantum Dots as a Temperature Probe In Vitro and in Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 22002-22011	9.5	13
69	Biophysical studies of the interaction between a triazole derivative and bovine serum albumin by multi-spectroscopic and molecular modeling methods. <i>Science China Chemistry</i> , 2011 , 54, 788-796	7.9	13

68	Carbon dots reduced and stabilized silver nanoclusters: synthesis and formation mechanisms. <i>RSC Advances</i> , 2016 , 6, 76989-76995	3.7	13
67	The interactions of CdTe quantum dots with serum albumin and subsequent cytotoxicity: the influence of homologous ligands. <i>Toxicology Research</i> , 2018 , 7, 147-155	2.6	12
66	Interaction of Caffeine with Bovine Serum Albumin: Determination of Binding Constants and the Binding Site by Spectroscopic Methods. <i>Chinese Journal of Chemistry</i> , 2011 , 29, 433-440	4.9	12
65	Bifunctional carbon dots for cell imaging and inhibition of human insulin fibrillation in the whole aggregation process. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 453-462	7.9	12
64	Surface functional groups affect CdTe QDs behavior at mitochondrial level. <i>Toxicology Research</i> , 2018 , 7, 1071-1080	2.6	12
63	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. <i>Nanoscale</i> , 2017 , 9, 2824-2835	7.7	11
62	Real-Time Imaging of Intracellular Glutathione Levels Based on a Ratiometric Fluorescent Probe with Extremely Fast Response. <i>Analytical Chemistry</i> , 2020 , 92, 10068-10075	7.8	11
61	Size Effects on the Interaction of QDs with the Mitochondrial Membrane In Vitro. <i>Journal of Membrane Biology</i> , 2016 , 249, 757-767	2.3	11
60	Comprehensive study of the adsorption of an acylhydrazone derivative by serum albumin: unclassical static quenching. <i>RSC Advances</i> , 2014 , 4, 59686-59696	3.7	11
59	Multifunction in One Molecule: Mitochondrial Imaging and Photothermal & Photodynamic Cytotoxicity of Fast-Response Near-Infrared Fluorescent Probes with Aggregation-Induced Emission Characteristics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7945-7954	9.5	11
58	Thermodynamics, Kinetics and Mechanisms of Noncompetitive Allosteric Inhibition of Chymotrypsin by Dihydrolipoic Acid-Coated Gold Nanoclusters. <i>Langmuir</i> , 2020 , 36, 6447-6457	4	10
57	Microcalorimetric studies on the energy release of isolated rat mitochondria under different concentrations of gadolinium (III). <i>Chemosphere</i> , 2016 , 153, 414-8	8.4	10
56	A mitochondria-targeted organic arsenical accelerates mitochondrial metabolic disorder and function injury. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 760-768	3.4	10
55	modulation of mercury-induced rat liver mitochondria dysfunction. <i>Toxicology Research</i> , 2018 , 7, 1135-1143	1.4	9
54	High concentration of gadolinium ion modifying isolated rice mitochondrial biogenesis. <i>Biological Trace Element Research</i> , 2013 , 156, 308-15	4.5	9
53	Near-infrared Zn-doped CuS quantum dots: an ultrasmall theranostic agent for tumor cell imaging and chemodynamic therapy. <i>Nanoscale</i> , 2021 , 13, 3673-3685	7.7	9
52	Thermodynamic Implications and Time Evolution of the Interactions of Near-Infrared PbS Quantum Dots with Human Serum Albumin. <i>ACS Omega</i> , 2021 , 6, 5569-5581	3.9	9
51	Mitochondrial toxicity of organic arsenicals: membrane permeability transition pore opening and respiratory dysfunction. <i>Toxicology Research</i> , 2018 , 7, 191-200	2.6	8

50	Synthesis of F16 conjugated with 5-fluorouracil and biophysical investigation of its interaction with bovine serum albumin by a spectroscopic and molecular modeling approach. <i>Luminescence</i> , 2013 , 28, 865-72	2.5	8
49	Immobilization of Escherichia coli for detection of phage T4 using surface plasmon resonance. <i>Science China Chemistry</i> , 2012 , 55, 1931-1939	7.9	8
48	Spectroscopic and molecular modeling studies on the interaction between a fluorine-containing triazole derivative and human serum albumin. <i>Biological Trace Element Research</i> , 2011 , 143, 562-78	4.5	8
47	A novel pH-sensitive (E)-E-tocopherol-5-fluorouracil adduct with antioxidant and anticancer properties. <i>Chemical Communications</i> , 2011 , 47, 10713-5	5.8	8
46	Nitrogen and sulfur co-doped carbon dots with bright fluorescence for intracellular detection of iron ion and thiol.. <i>Journal of Colloid and Interface Science</i> , 2021 , 611, 255-264	9.3	8
45	Rat Liver Mitochondrial Dysfunction Induced by an Organic Arsenical Compound 4-(2-Nitrobenzaliminy) Phenyl Arsenoxide. <i>Journal of Membrane Biology</i> , 2015 , 248, 1071-8	2.3	7
44	Resonance energy transfer, pH-induced folded states and the molecular interaction of human serum albumin and icariin. <i>Luminescence</i> , 2015 , 30, 1026-33	2.5	7
43	Synthesis and application of lead dioxide nanowires for a PEM ozone generator. <i>Electrochimica Acta</i> , 2016 , 192, 357-362	6.7	7
42	Spectroscopic and electrochemical studies on the interaction of an inclusion complex of Cyclodextrin/fullerene with bovine serum albumin in aqueous solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2012 , 228, 28-37	4.7	7
41	Ce(III)-induced rice mitochondrial permeability transition investigated by spectroscopic and microscopic studies. <i>Biological Trace Element Research</i> , 2013 , 152, 284-91	4.5	7
40	Microcalorimetric and microscopic studies on the inhibitory activities of methylene blue/TiO2 nanocomposites on Staphylococcus aureus and the mechanism of cell damage. <i>Thermochimica Acta</i> , 2010 , 501, 8-12	2.9	7
39	Molecular Mechanisms of the Ultra-Strong Inhibition Effect of Oxidized Carbon Dots on Human Insulin Fibrillation.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 217-226	4.1	7
38	LDHA Suppression Altering Metabolism Inhibits Tumor Progress by an Organic Arsenical. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	7
37	Mitochondrial toxicity induced by a thiourea gold(i) complex: mitochondrial permeability transition and respiratory deficit. <i>Toxicology Research</i> , 2018 , 7, 1081-1090	2.6	7
36	Pyridinium and indole orientation determines the mitochondrial uncoupling and anti-cancer efficiency of F16. <i>European Journal of Medicinal Chemistry</i> , 2018 , 154, 305-313	6.8	7
35	Microcalorimetric studies of the effect of cerium (IV) on isolated rice mitochondria fed by pyruvate. <i>Chemosphere</i> , 2013 , 91, 1577-82	8.4	6
34	Syntheses, kinetics and thermodynamics of BODIPY-based fluorescent probes with different kinds of hydrophilic groups for the detection of biothiols. <i>Dyes and Pigments</i> , 2020 , 180, 108434	4.6	6
33	New aspects of the environmental risks of quantum dots: prophage activation. <i>Environmental Science: Nano</i> , 2018 , 5, 1556-1566	7.1	6

32	Indium (III) induces isolated mitochondrial permeability transition by inhibiting proton influx and triggering oxidative stress. <i>Journal of Inorganic Biochemistry</i> , 2017 , 177, 17-26	4.2	5
31	Membrane permeability transition and dysfunction of rice mitochondria effected by Er(III). <i>Journal of Membrane Biology</i> , 2015 , 248, 39-46	2.3	5
30	Dual Inhibition of Pyruvate Dehydrogenase Complex and Respiratory Chain Complex Induces Apoptosis by a Mitochondria-Targeted Fluorescent Organic Arsenical in vitro and in vivo. <i>ChemMedChem</i> , 2020 , 15, 552-558	3.7	5
29	Inhibition of Autophagy via Lysosomal Impairment Enhances Cytotoxicity of Fullerenol under Starvation Condition.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 977-985	4.1	5
28	Studies on the isolated mitochondrial damage induced by α -tocopheryl succinate and its interactions with human serum albumin. <i>RSC Advances</i> , 2014 , 4, 3913-3919	3.7	5
27	An ultrasonic wave-assisted synthesis of meso-amidinophenyl substituted porphyrins. <i>Tetrahedron Letters</i> , 2008 , 49, 2114-2118	2	5
26	N,S-Codoped Carbon Dots with Red Fluorescence and Their Cellular Imaging.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 4973-4981	4.1	5
25	Reduced state transition barrier of CDK6 from open to closed state induced by Thr177 phosphorylation and its implication in binding modes of inhibitors. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 501-512	4	5
24	Aglycone Polyether Nanchangmycin and Its Homologues Exhibit Apoptotic and Antiproliferative Activities against Cancer Stem Cells. <i>ACS Pharmacology and Translational Science</i> , 2018 , 1, 84-95	5.9	5
23	Rapid culture-based detection of Legionella pneumophila using isothermal microcalorimetry with an improved evaluation method. <i>Microbial Biotechnology</i> , 2020 , 13, 1262-1272	6.3	4
22	High-Oxygen-Content Carbon Dots as a High-Efficiency Inhibitor of Human Insulin Aggregation.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4067-4076	4.1	4
21	Comparative study on the effects of two antifungal drugs against Candida albicans by microcalorimetry and transmission electron microscopy. <i>Thermochimica Acta</i> , 2012 , 543, 82-87	2.9	4
20	An in-depth kinetics study of chemically modified human serum albumin aggregation and fibrillation. <i>RSC Advances</i> , 2016 , 6, 107591-107597	3.7	4
19	Mitochondria-Targeted BODIPY Nanoparticles for Enhanced Photothermal and Photoacoustic Imaging In Vivo.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 1760-1770	4.1	4
18	Thermodynamic Properties of the Site-selective Binding of a Bromo-hydrazone and Its Unsubstituted Analogue to Human Serum Albumin. <i>Journal of Solution Chemistry</i> , 2015 , 44, 193-205	1.8	3
17	Dysfunction of Rice Mitochondrial Membrane Induced by Yb ³⁺ . <i>Journal of Membrane Biology</i> , 2015 , 248, 1159-65	2.3	3
16	A fast and reliable method for monitoring of prophage-activating chemicals. <i>Microbial Biotechnology</i> , 2018 , 11, 1112-1120	6.3	3
15	Positive Sorption Behaviors in the Ligand Exchanges for Water-Soluble Quantum Dots and a Strategy for Specific Targeting. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 51746-51758	9.5	3

14	Cu-Deficient CuInSe Quantum Dots for Turn-On Detection of Adenosine Triphosphate in Living Cells. <i>ACS Applied Nano Materials</i> , 2021 , 4, 6057-6066	5.6	3
13	A bright, red-emitting water-soluble BODIPY fluorophore as an alternative to the commercial Mito Tracker Red for high-resolution mitochondrial imaging. <i>Journal of Materials Chemistry B</i> , 2021 , 9, 8639-8645	7.3	3
12	Fluorescent protein nanoparticles: Synthesis and recognition of cellular oxidation damage. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019 , 177, 219-227	6	2
11	Thermodynamics of the Interaction Between Graphene Quantum Dots with Human Serum Albumin and IgG Globulins. <i>Journal of Solution Chemistry</i> , 2020 , 49, 100-116	1.8	2
10	An enhanced bioindicator for calorimetric monitoring of prophage-activating chemicals in the trace concentration range. <i>Engineering in Life Sciences</i> , 2018 , 18, 475-483	3.4	2
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