

Ran Yang

List of Publications by Year in descending order

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88
papers

2,547
citations

147801
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233421
45
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88
all docs

88
docs citations

88
times ranked

3095
citing authors

#	ARTICLE	IF	CITATIONS
1	Detection, detoxification, and removal of multiply heavy metal ions using a recyclable probe enabled by click and declick chemistry. <i>Journal of Hazardous Materials</i> , 2022, 423, 127242.	12.4	20
2	Highly selective and sensitive detection of glutathione over cysteine and homocysteine with a turn-on fluorescent biosensor based on cysteamine-stabilized CdTe quantum dots. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 267, 120492.	3.9	8
3	Modulation of bovine serum albumin aggregation by glutathione functionalized MoS ₂ quantum dots. <i>International Journal of Biological Macromolecules</i> , 2022, 195, 237-245.	7.5	9
4	Antibacterial activity and mechanism of chloroform fraction from aqueous extract of mugwort leaves (<i>Artemisia argyi</i> L.) against <i>Staphylococcus aureus</i> . <i>Letters in Applied Microbiology</i> , 2022, 74, 893-900.	2.2	11
5	Methyl viologen induced fluorescence quenching of CdTe quantum dots for highly sensitive and selective sensing of ascorbic acid through redox reaction. <i>Journal of Fluorescence</i> , 2022, 32, 1405-1412.	2.5	1
6	Visual Monitoring of Nucleic Acid Dynamic Structures during Cellular Ferroptosis Using Rationally Designed Carbon Dots with Robust Anti-Interference Ability to Reactive Oxygen Species. <i>ACS Applied Bio Materials</i> , 2022, 5, 2703-2711.	4.6	10
7	A glycine-functionalized graphene quantum dots synthesized by a facile post-modification strategy for a sensitive and selective fluorescence sensor of mercury ions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 247, 119090.	3.9	30
8	An electrostatic repulsion strategy for a highly selective and sensitive "switch-on" fluorescence sensor of ascorbic acid based on the cysteamine-coated CdTe quantum dots and cerium(IV). <i>New Journal of Chemistry</i> , 2021, 45, 6301-6307.	2.8	8
9	Investigation on the effect of three isoflavones on the fibrillation of hen egg white lysozyme. <i>Journal of Molecular Recognition</i> , 2021, 34, e2889.	2.1	0
10	Ultra-sensitive detection of ATP in serum and lysates based on nitrogen-doped carbon dots. <i>Luminescence</i> , 2021, 36, 1584-1591.	2.9	3
11	Highly sensitive and selective fluorescence sensing and imaging of Fe ³⁺ based on a novel nitrogen doped graphene quantum dots. <i>Luminescence</i> , 2021, 36, 1592-1599.	2.9	3
12	A comparative study on the effects of resveratrol and oxyresveratrol against tyrosinase activity and their inhibitory mechanism. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 251, 119405.	3.9	12
13	Effect of resveratrol on the repair of kidney and brain injuries and its regulation on klotho gene in d-galactose-induced aging mice. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127913.	2.2	14
14	Poly(sodium styrene sulfonate) functionalized graphene as a highly efficient adsorbent for cationic dye removal with a green regeneration strategy. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 152, 109973.	4.0	13
15	Spying on the Polarity Dynamics during Wound Healing of Zebrafish by Using Rationally Designed Carbon Dots. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002268.	7.6	34
16	Low Polarity-Triggered Basic Hydrolysis of Coumarin as an AND Logic Gate for Broad-Spectrum Cancer Diagnosis. <i>Analytical Chemistry</i> , 2021, 93, 12434-12440.	6.5	19
17	Intrinsic lysosomal targeting fluorescent carbon dots with ultrastability for long-term lysosome imaging. <i>Journal of Materials Chemistry B</i> , 2020, 8, 736-742.	5.8	36
18	A fluorescent nanosphere-based immunochromatography test strip for ultrasensitive and point-of-care detection of tetanus antibody in human serum. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1151-1158.	3.7	15

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19	Electrostatic repulsion strategy for high-sensitive and selective determination of dopamine in the presence of uric acid and ascorbic acid. <i>Talanta</i> , 2020, 210, 120626.	5.5	29
20	AgNPs@PDA@GR nanocomposites-based molecularly imprinted electrochemical sensor for highly recognition of 2,4,6-trichlorophenol. <i>Microchemical Journal</i> , 2020, 159, 105567.	4.5	15
21	Simultaneous Detection of Human Serum Albumin and Sulfur Dioxide in Living Cells Based on a Catalyzed Michael Addition Reaction. <i>Analytical Chemistry</i> , 2020, 92, 16130-16137.	6.5	51
22	A wash-free lysosome targeting carbon dots for ultrafast imaging and monitoring cell apoptosis status. <i>Analytica Chimica Acta</i> , 2020, 1106, 207-215.	5.4	33
23	A Highly Sensitive and Selective Electrochemical Sensor for Pentachlorophenol Based on Reduced Graphite Oxide-Silver Nanocomposites. <i>Food Analytical Methods</i> , 2020, 13, 2050-2058.	2.6	21
24	Inhibitory effects of four anthraquinones on tyrosinase activity: Insight from spectroscopic analysis and molecular docking. <i>International Journal of Biological Macromolecules</i> , 2020, 160, 153-163.	7.5	29
25	Studies on the effect of a Fupenzi glycoprotein on the fibrillation of bovine serum albumin and its antioxidant activity. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 237, 118387.	3.9	16
26	Rational Design of Far-Red to Near-Infrared Emitting Carbon Dots for Ultrafast Lysosomal Polarity Imaging. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 31738-31744.	8.0	71
27	A novel fluorescence probe based on specific recognition of GABAA receptor for imaging cell membrane. <i>Talanta</i> , 2020, 219, 121317.	5.5	3
28	Spatiotemporally Monitoring Cell Viability through Programmable Mitochondrial Membrane Potential Transformation by Using Fluorescent Carbon Dots. <i>Advanced Biology</i> , 2020, 4, 1900261.	3.0	10
29	Investigations on the anti-aging activity of polysaccharides from Chinese yam and their regulation on klotho gene expression in mice. <i>Journal of Molecular Structure</i> , 2020, 1208, 127895.	3.6	21
30	Anti-solvatochromic fluorescence of thiazole [5, 4-d] thiazole by forming hydrogen bond network and its application in fast detection of trace water. <i>Microchemical Journal</i> , 2020, 154, 104640.	4.5	8
31	RNA-responsive fluorescent carbon dots for fast and wash-free nucleolus imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 237, 118381.	3.9	29
32	Nitrogen and sulfur co-doped graphene quantum dots for the highly sensitive and selective detection of mercury ion in living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 588-596.	3.9	55
33	Cysteamine functionalized MoS ₂ quantum dots inhibit amyloid aggregation. <i>International Journal of Biological Macromolecules</i> , 2019, 128, 870-876.	7.5	21
34	Hydrogen-Bond-Induced Emission of Carbon Dots for Wash-Free Nucleus Imaging. <i>Analytical Chemistry</i> , 2019, 91, 9259-9265.	6.5	113
35	Unique Redox Reaction between CuO Photocathode and Cysteine: Insight into the Mechanism for Cathodic Photoelectrochemical Bioanalysis. <i>ACS Applied Bio Materials</i> , 2019, 2, 2703-2707.	4.6	9
36	Retrosynthesis of Tunable Fluorescent Carbon Dots for Precise Long-Term Mitochondrial Tracking. <i>Small</i> , 2019, 15, e1901517.	10.0	103

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37	Carbon Dots: Retrosynthesis of Tunable Fluorescent Carbon Dots for Precise Long-Term Mitochondrial Tracking (Small 48/2019). <i>Small</i> , 2019, 15, 1970259.	10.0	5
38	A highly selective and sensitive electrochemical sensor for tryptophan based on the excellent surface adsorption and electrochemical properties of PSS functionalized graphene. <i>Talanta</i> , 2019, 196, 309-316.	5.5	36
39	A highly sensitive and selective electrochemical sensor based on polydopamine functionalized graphene and molecularly imprinted polymer for the 2,4-dichlorophenol recognition and detection. <i>Talanta</i> , 2019, 195, 691-698.	5.5	73
40	Investigation on the binding of aloe-emodin with tyrosinase by spectral analysis and molecular docking. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 211, 79-85.	3.9	33
41	High performance fluorescence biosensing of cysteine in human serum with superior specificity based on carbon dots and cobalt-derived recognition. <i>Sensors and Actuators B: Chemical</i> , 2019, 280, 62-68.	7.8	56
42	Studies on the anti-aging activity of a glycoprotein isolated from Fupenzi (<i>Rubus chingii</i> Hu.) and its regulation on klotho gene expression in mice kidney. <i>International Journal of Biological Macromolecules</i> , 2018, 119, 470-476.	7.5	35
43	Molecular interaction of silybin with hyaluronidase: A spectroscopic and molecular docking study. <i>Spectroscopy Letters</i> , 2017, 50, 515-521.	1.0	8
44	Molecularly imprinted electrochemical sensor for daidzein recognition and detection based on poly(sodium 4-styrenesulfonate) functionalized graphene. <i>Sensors and Actuators B: Chemical</i> , 2017, 251, 542-550.	7.8	36
45	New peptide inhibitors modulate the self-assembly of islet amyloid polypeptide residues 11-20 in vitro. <i>European Journal of Pharmacology</i> , 2017, 804, 102-110.	3.5	10
46	Effect of nitrogen-doped graphene quantum dots on the fibrillation of hen egg-white lysozyme. <i>International Journal of Biological Macromolecules</i> , 2017, 95, 856-861.	7.5	15
47	Effect of silybin on the fibrillation of hen egg-white lysozyme. <i>Journal of Molecular Recognition</i> , 2017, 30, e2566.	2.1	20
48	Synthesis of glycine-functionalized graphene quantum dots as highly sensitive and selective fluorescent sensor of ascorbic acid in human serum. <i>Sensors and Actuators B: Chemical</i> , 2017, 241, 644-651.	7.8	62
49	High sensitive and selective graphene oxide/molecularly imprinted polymer electrochemical sensor for 2,4-dichlorophenol in water. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 1330-1335.	7.8	102
50	Spectroscopic and Docking Studies on the Binding of Liquiritigenin with Hyaluronidase for Antiallergic Mechanism. <i>Scientifica</i> , 2016, 2016, 1-8.	1.7	9
51	Studies on the binding of pepsin with three pyrethroid insecticides by multi-spectroscopic approaches and molecular docking. <i>Journal of Molecular Recognition</i> , 2016, 29, 476-484.	2.1	20
52	Inhibitory effects of daidzein and genistein on trypsin: Insights from spectroscopic and molecular docking studies. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 336-343.	7.5	19
53	A Sensitive and Selective Electrochemical Sensor Based on Graphene Quantum Dot/Gold Nanoparticle Nanocomposite Modified Electrode for the Determination of Quercetin in Biological Samples. <i>Electroanalysis</i> , 2016, 28, 1322-1330.	2.9	61
54	New insights into side effect of solvents on the aggregation of human islet amyloid polypeptide 11-20. <i>Talanta</i> , 2016, 148, 380-386.	5.5	16

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55	A sensitive and low toxicity electrochemical sensor for 2,4-dichlorophenol based on the nanocomposite of carbon dots, hexadecyltrimethyl ammonium bromide and chitosan. <i>Sensors and Actuators B: Chemical</i> , 2016, 224, 241-247.	7.8	68
56	A selective and sensitive tert-butylhydroquinone sensor based on synergy of CTAB and AuNPs@PVP-graphene nanohybrids. <i>Ionics</i> , 2016, 22, 415-423.	2.4	12
57	Application of Molecular Docking in Studies on the Binding Mechanism of Three Enzymes with Natural Products. <i>Advances in Medical Technologies and Clinical Practice Book Series</i> , 2016, , 81-126.	0.3	0
58	Molecular Interactions of Flavonoids to Hyaluronidase: Insights from Spectroscopic and Molecular Modeling Studies. <i>Journal of Fluorescence</i> , 2015, 25, 941-959.	2.5	30
59	A novel fluorescent sensor for mercury (II) ion using self-assembly of poly(diallyl) Tj ETQq1 1 0.784314,rgBT /Overlock 10	2.7	8
60	High-selective and sensitive voltammetric sensor for butylated hydroxyanisole based on AuNPs@PVP-graphene nanocomposites. <i>Talanta</i> , 2015, 138, 169-175.	5.5	39
61	An aptamer-based signal-on bio-assay for sensitive and selective detection of Kanamycin A by using gold nanoparticles. <i>Talanta</i> , 2015, 139, 226-232.	5.5	80
62	Ultrasensitive electrochemical sensor based on CdTe quantum dots-decorated poly(diallyldimethylammonium chloride)-functionalized graphene nanocomposite modified glassy carbon electrode for the determination of puerarin in biological samples. <i>Electrochimica Acta</i> , 2015, 173, 839-846.	5.2	30
63	Molecular interactions of flavonoids to pepsin: Insights from spectroscopic and molecular docking studies. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 151, 576-590.	3.9	39
64	High-sensitive electrochemical sensor of Sudan I based on template-directed self-assembly of graphene-ZnSe quantum dots hybrid structure. <i>Sensors and Actuators B: Chemical</i> , 2015, 215, 181-187.	7.8	36
65	Spectroscopic and molecular modeling investigation on the interactions between hyaluronidase and baicalein and chrysin. <i>Process Biochemistry</i> , 2015, 50, 738-745.	3.7	16
66	Sensitive electrochemical sensor for the determination of pentachlorophenol in fish meat based on ZnSe quantum dots decorated multiwall carbon nanotubes nanocomposite. <i>Ionics</i> , 2015, 21, 3257-3266.	2.4	18
67	A highly selective and simple fluorescent sensor for mercury (II) ion detection based on cysteamine-capped CdTe quantum dots synthesized by the reflux method. <i>Luminescence</i> , 2015, 30, 465-471.	2.9	62
68	A novel method for the study of molecular interaction by using microscale thermophoresis. <i>Talanta</i> , 2015, 132, 894-901.	5.5	53
69	Assembly of multi-walled carbon nanotubes@ZnSe quantum dot hybrids for a paeonol electrochemical sensor. <i>Analytical Methods</i> , 2014, 6, 3449.	2.7	7
70	Supersensitive electrochemical sensor for the fast determination of rutin in pharmaceuticals and biological samples based on poly(diallyldimethylammonium chloride)-functionalized graphene. <i>Journal of Electroanalytical Chemistry</i> , 2014, 732, 17-24.	3.8	47
71	Spectroscopy and Molecular Docking Study on the Interaction Behavior Between Nobiletin and Pepsin. <i>Journal of Fluorescence</i> , 2014, 24, 1031-1040.	2.5	33
72	Synthesis of poly(sodium 4-styrenesulfonate) functionalized graphene/cetyltrimethylammonium bromide (CTAB) nanocomposite and its application in electrochemical oxidation of 2,4-dichlorophenol. <i>Electrochimica Acta</i> , 2014, 125, 1-8.	5.2	49

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73	Investigation on the binding interaction between silybin and pepsin by spectral and molecular docking. <i>International Journal of Biological Macromolecules</i> , 2014, 67, 105-111.	7.5	43
74	Sensitive voltammetric sensor based on Isopropanolâ€Nafionâ€PSSâ€GR nanocomposite modified glassy carbon electrode for determination of Clenbuterol in pork. <i>Food Chemistry</i> , 2014, 164, 113-118.	8.2	41
75	Simultaneous determination and pharmacokinetics of five rhubarb anthraquinones in dog plasma by HPLC after orally administration the rhubarb extract. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2014, 27, 847-54.	0.2	1
76	A sensitive electrochemical chlorophenols sensor based on nanocomposite of ZnSe quantum dots and cetyltrimethylammonium bromide. <i>Analytica Chimica Acta</i> , 2013, 804, 76-83.	5.4	57
77	Immobilization of gold nanoparticles on multi-wall carbon nanotubes as an enhanced material for selective voltammetric determination of dopamine. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 217-221.	7.8	28
78	Enhanced chemiluminescence of the luminol-K ₃ Fe(CN) ₆ system by ZnSe quantum dots and its application. <i>Journal of Luminescence</i> , 2013, 134, 888-892.	3.1	36
79	Simple and sensitive determination of sparfloxacin in pharmaceuticals and biological samples by immunoassay. <i>Journal of Pharmaceutical Analysis</i> , 2012, 2, 214-219.	5.3	14
80	The Interaction of Flavonoid-Lysozyme and the Relationship Between Molecular Structure of Flavonoids and Their Binding Activity to Lysozyme. <i>Journal of Fluorescence</i> , 2012, 22, 1449-1459.	2.5	34
81	Simultaneous voltammetric determination of ascorbic acid and uric acid using a Nafion/multi-wall carbon nanotubes composite film-modified electrode. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 161-166.	2.5	20
82	Simultaneous voltammetric detection of dopamine and uric acid in the presence of high concentration of ascorbic acid using multi-walled carbon nanotubes with methylene blue composite film-modified electrode. <i>Journal of Solid State Electrochemistry</i> , 2011, 15, 1909-1918.	2.5	43
83	Simultaneous determination of eight active components in Chinese medicine â€JiangYaBiFengâ€™ tablet by HPLC coupled with diode array detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2011, 55, 552-556.	2.8	15
84	Determination of puerarin in biological samples and its application to a pharmacokinetic study by flowâ€injection chemiluminescence. <i>Luminescence</i> , 2011, 26, 368-373.	2.9	15
85	Capillary electrophoresis coupled with endâ€column electrochemiluminescence for the determination of ephedrine in human urine, and a study of its interactions with three proteins. <i>Luminescence</i> , 2011, 26, 374-379.	2.9	9
86	Voltammetric determination of theophylline at a Nafion/multi-wall carbon nanotubes composite film-modified glassy carbon electrode. <i>Journal of Chemical Sciences</i> , 2010, 122, 919-926.	1.5	33
87	Modified glassy carbon electrode with Nafion/MWNTs as a sensitive voltammetric sensor for the determination of paeonol in pharmaceutical and biological samples. <i>Journal of Applied Electrochemistry</i> , 2010, 40, 1371-1378.	2.9	24
88	Investigation of the Interaction between Isoflavonoids and Bovine Serum Albumin by Fluorescence Spectroscopy. <i>Chinese Journal of Chemistry</i> , 2007, 25, 1151-1155.	4.9	8