Ran Yang

List of Publications by Year
in descending order

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Version: 2024-02-01

88 papers	2,547 citations	147801 31 h-index	233421 45 g-index
88 all docs	88 docs citations	88 times ranked	3095 citing authors

#	Article	IF	Citations
1	Hydrogen-Bond-Induced Emission of Carbon Dots for Wash-Free Nucleus Imaging. Analytical Chemistry, 2019, 91, 9259-9265.	6.5	113
2	Retrosynthesis of Tunable Fluorescent Carbon Dots for Precise Longâ€Term Mitochondrial Tracking. Small, 2019, 15, e1901517.	10.0	103
3	High sensitive and selective graphene oxide/molecularly imprinted polymer electrochemical sensor for 2,4-dichlorophenol in water. Sensors and Actuators B: Chemical, 2017, 240, 1330-1335.	7.8	102
4	An aptamer-based signal-on bio-assay for sensitive and selective detection of Kanamycin A by using gold nanoparticles. Talanta, 2015, 139, 226-232.	5.5	80
5	A highly sensitive and selective electrochemical sensor based on polydopamine functionalized graphene and molecularly imprinted polymer for the 2,4-dichlorophenol recognition and detection. Talanta, 2019, 195, 691-698.	5.5	73
6	Rational Design of Far-Red to Near-Infrared Emitting Carbon Dots for Ultrafast Lysosomal Polarity Imaging. ACS Applied Materials & Interfaces, 2020, 12, 31738-31744.	8.0	71
7	A sensitive and low toxicity electrochemical sensor for 2,4-dichlorophenol based on the nanocomposite of carbon dots, hexadecyltrimethyl ammonium bromide and chitosan. Sensors and Actuators B: Chemical, 2016, 224, 241-247.	7.8	68
8	A highly selective and simple fluorescent sensor for mercury (II) ion detection based on cysteamineâ€capped CdTe quantum dots synthesized by the reflux method. Luminescence, 2015, 30, 465-471.	2.9	62
9	Synthesis of glycine-functionalized graphene quantum dots as highly sensitive and selective fluorescent sensor of ascorbic acid in human serum. Sensors and Actuators B: Chemical, 2017, 241, 644-651.	7.8	62
10	A Sensitive and Selective Electrochemical Sensor Based on Graphene Quantum Dot/Gold Nanoparticle Nanocomposite Modified Electrode for the Determination of Quercetin in Biological Samples. Electroanalysis, 2016, 28, 1322-1330.	2.9	61
11	A sensitive electrochemical chlorophenols sensor based on nanocomposite of ZnSe quantum dots and cetyltrimethylammonium bromide. Analytica Chimica Acta, 2013, 804, 76-83.	5.4	57
12	High performance fluorescence biosensing of cysteine in human serum with superior specificity based on carbon dots and cobalt-derived recognition. Sensors and Actuators B: Chemical, 2019, 280, 62-68.	7.8	56
13	Nitrogen and sulfur co-doped graphene quantum dots for the highly sensitive and selective detection of mercury ion in living cells. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 206, 588-596.	3.9	55
14	A novel method for the study of molecular interaction by using microscale thermophoresis. Talanta, 2015, 132, 894-901.	5.5	53
15	Simultaneous Detection of Human Serum Albumin and Sulfur Dioxide in Living Cells Based on a Catalyzed Michael Addition Reaction. Analytical Chemistry, 2020, 92, 16130-16137.	6.5	51
16	Synthesis of poly(sodium 4-styrenesulfonate) functionalized graphene/cetyltrimethylammonium bromide (CTAB) nanocomposite and its application in electrochemical oxidation of 2,4-dichlorophenol. Electrochimica Acta, 2014, 125, 1-8.	5.2	49
17	Supersensitive electrochemical sensor for the fast determination of rutin in pharmaceuticals and biological samples based on poly(diallyldimethylammonium chloride)-functionalized graphene. Journal of Electroanalytical Chemistry, 2014, 732, 17-24.	3.8	47
18	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. Journal of Solid State Electrochemistry, 2011, 15, 1909-1918.	2.5	43

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19	Investigation on the binding interaction between silybin and pepsin by spectral and molecular docking. International Journal of Biological Macromolecules, 2014, 67, 105-111.	7.5	43
20	Sensitive voltammetric sensor based on Isopropanolâ€“Nafionâ€“PSSâ€“GR nanocomposite modified glassy carbon electrode for determination of Clenbuterol in pork. Food Chemistry, 2014, 164, 113-118.	8.2	41
21	High-selective and sensitive voltammetric sensor for butylated hydroxyanisole based on AuNPsâ€“PVPâ€“graphene nanocomposites. Talanta, 2015, 138, 169-175.	5.5	39
22	Molecular interactions of flavonoids to pepsin: Insights from spectroscopic and molecular docking studies. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 151, 576-590.	3.9	39
23	Enhanced chemiluminescence of the luminol-K3Fe(CN)6 system by ZnSe quantum dots and its application. Journal of Luminescence, 2013, 134, 888-892.	3.1	36
24	High-sensitive electrochemical sensor of Sudan I based on template-directed self-assembly of graphene-ZnSe quantum dots hybrid structure. Sensors and Actuators B: Chemical, 2015, 215, 181-187.	7.8	36
25	Molecularly imprinted electrochemical sensor for daidzein recognition and detection based on poly(sodium 4-styrenesulfonate) functionalized graphene. Sensors and Actuators B: Chemical, 2017, 251, 542-550.	7.8	36
26	A highly selective and sensitive electrochemical sensor for tryptophan based on the excellent surface adsorption and electrochemical properties of PSS functionalized graphene. Talanta, 2019, 196, 309-316.	5.5	36
27	Intrinsic lysosomal targeting fluorescent carbon dots with ultrastability for long-term lysosome imaging. Journal of Materials Chemistry B, 2020, 8, 736-742.	5.8	36
28	Studies on the anti-aging activity of a glycoprotein isolated from Fupenzi (Rubus chingii Hu.) and its regulation on klotho gene expression in mice kidney. International Journal of Biological Macromolecules, 2018, 119, 470-476.	7.5	35
29	The Interaction of Flavonoid-Lysozyme and the Relationship Between Molecular Structure of Flavonoids and Their Binding Activity to Lysozyme. Journal of Fluorescence, 2012, 22, 1449-1459.	2.5	34
30	Spying on the Polarity Dynamics during Wound Healing of Zebrafish by Using Rationally Designed Carbon Dots. Advanced Healthcare Materials, 2021, 10, e2002268.	7.6	34
31	Voltammetric determination of theophylline at a Nafion/multi-wall carbon nanotubes composite film-modified glassy carbon electrode. Journal of Chemical Sciences, 2010, 122, 919-926.	1.5	33
32	Spectroscopy and Molecular Docking Study on the Interaction Behavior Between Nobiletin and Pepsin. Journal of Fluorescence, 2014, 24, 1031-1040.	2.5	33
33	Investigation on the binding of aloe-emodin with tyrosinase by spectral analysis and molecular docking. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2019, 211, 79-85.	3.9	33
34	A wash-free lysosome targeting carbon dots for ultrafast imaging and monitoring cell apoptosis status. Analytica Chimica Acta, 2020, 1106, 207-215.	5.4	33
35	Molecular Interactions of Flavonoids to Hyaluronidase: Insights from Spectroscopic and Molecular Modeling Studies. Journal of Fluorescence, 2015, 25, 941-959.	2.5	30
36	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. Electrochimica Acta, 2015, 173, 839-846.	5.2	30

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37	A glycine-functionalized graphene quantum dots synthesized by a facile post-modification strategy for a sensitive and selective fluorescence sensor of mercury ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 247, 119090.	3.9	30
38	Electrostatic repulsion strategy for high-sensitive and selective determination of dopamine in the presence of uric acid and ascorbic acid. Talanta, 2020, 210, 120626.	5.5	29
39	Inhibitory effects of four anthraquinones on tyrosinase activity: Insight from spectroscopic analysis and molecular docking. International Journal of Biological Macromolecules, 2020, 160, 153-163.	7.5	29
40	RNA-responsive fluorescent carbon dots for fast and wash-free nucleolus imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 237, 118381.	3.9	29
41	Immobilization of gold nanoparticles on multi-wall carbon nanotubes as an enhanced material for selective voltammetric determination of dopamine. Sensors and Actuators B: Chemical, 2013, 178, 217-221.	7.8	28
42	Modified glassy carbon electrode with Nafion/MWNTs as a sensitive voltammetric sensor for the determination of paeonol in pharmaceutical and biological samples. Journal of Applied Electrochemistry, 2010, 40, 1371-1378.	2.9	24
43	Cysteamine functionalized MoS2 quantum dots inhibit amyloid aggregation. International Journal of Biological Macromolecules, 2019, 128, 870-876.	7.5	21
44	A Highly Sensitive and Selective Electrochemical Sensor for Pentachlorophenol Based on Reduced Graphite Oxide-Silver Nanocomposites. Food Analytical Methods, 2020, 13, 2050-2058.	2.6	21
45	Investigations on the anti-aging activity of polysaccharides from Chinese yam and their regulation on klotho gene expression in mice. Journal of Molecular Structure, 2020, 1208, 127895.	3.6	21
46	Simultaneous voltammetric determination of ascorbic acid and uric acid using a Nafion/multi-wall carbon nanotubes composite film-modified electrode. Journal of Solid State Electrochemistry, 2011, 15, 161-166.	2.5	20
47	Studies on the binding of pepsin with three pyrethroid insecticides by multi-spectroscopic approaches and molecular docking. Journal of Molecular Recognition, 2016, 29, 476-484.	2.1	20
48	Effect of silybin on the fibrillation of hen eggâ€white lysozyme. Journal of Molecular Recognition, 2017, 30, e2566.	2.1	20
49	Detection, detoxification, and removal of multiply heavy metal ions using a recyclable probe enabled by click and declick chemistry. Journal of Hazardous Materials, 2022, 423, 127242.	12.4	20
50	Inhibitory effects of daidzein and genistein on trypsin: Insights from spectroscopic and molecular docking studies. International Journal of Biological Macromolecules, 2016, 89, 336-343.	7.5	19
51	Low Polarity-Triggered Basic Hydrolysis of Coumarin as an AND Logic Gate for Broad-Spectrum Cancer Diagnosis. Analytical Chemistry, 2021, 93, 12434-12440.	6.5	19
52	Sensitive electrochemical sensor for the determination of pentachlorophenol in fish meat based on ZnSe quantum dots decorated multiwall carbon nanotubes nanocomposite. Ionics, 2015, 21, 3257-3266.	2.4	18
53	Spectroscopic and molecular modeling investigation on the interactions between hyaluronidase and baicalein and chrysin. Process Biochemistry, 2015, 50, 738-745.	3.7	16
54	New insights into side effect of solvents on the aggregation of human islet amyloid polypeptide 11â€“20. Talanta, 2016, 148, 380-386.	5.5	16

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55	Studies on the effect of a Fupenzi glycoprotein on the fibrillation of bovine serum albumin and its antioxidant activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 237, 118387.	3.9	16
56	Simultaneous determination of eight active components in Chinese medicine â€˜JiangYaBiFengâ€™ tablet by HPLC coupled with diode array detection. Journal of Pharmaceutical and Biomedical Analysis, 2011, 55, 552-556.	2.8	15
57	Determination of puerarin in biological samples and its application to a pharmacokinetic study by flowâ€injection chemiluminescence. Luminescence, 2011, 26, 368-373.	2.9	15
58	Effect of nitrogen-doped graphene quantum dots on the fibrillation of hen egg-white lysozyme. International Journal of Biological Macromolecules, 2017, 95, 856-861.	7.5	15
59	A fluorescent nanosphere-based immunochromatography test strip for ultrasensitive and point-of-care detection of tetanus antibody in human serum. Analytical and Bioanalytical Chemistry, 2020, 412, 1151-1158.	3.7	15
60	AgNPsâ€“PDAâ€“GR nanocomposites-based molecularly imprinted electrochemical sensor for highly recognition of 2,4,6-trichlorophenol. Microchemical Journal, 2020, 159, 105567.	4.5	15
61	Simple and sensitive determination of sparfloxacin in pharmaceuticals and biological samples by immunoassay. Journal of Pharmaceutical Analysis, 2012, 2, 214-219.	5.3	14
62	Effect of resveratrol on the repair of kidney and brain injuries and its regulation on klotho gene in d-galactose-induced aging mice. Bioorganic and Medicinal Chemistry Letters, 2021, 40, 127913.	2.2	14
63	Poly(sodium styrene sulfonate) functionalized graphene as a highly efficient adsorbent for cationic dye removal with a green regeneration strategy. Journal of Physics and Chemistry of Solids, 2021, 152, 109973.	4.0	13
64	A selective and sensitive tert-butylhydroquinone sensor based on synergy of CTAB and AuNPsâ€“PVPâ€“graphene nanohybrids. Ionics, 2016, 22, 415-423.	2.4	12
65	A comparative study on the effects of resveratrol and oxyresveratrol against tyrosinase activity and their inhibitory mechanism. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 251, 119405.	3.9	12
66	Antibacterial activity and mechanism of chloroform fraction from aqueous extract of mugwort leaves (Artemisia argyi L.) against Staphylococcus aureus. Letters in Applied Microbiology, 2022, 74, 893-900.	2.2	11
67	New peptide inhibitors modulate the self-assembly of islet amyloid polypeptide residues 11â€“20 in vitro. European Journal of Pharmacology, 2017, 804, 102-110.	3.5	10
68	Spatiotemporally Monitoring Cell Viability through Programmable Mitochondrial Membrane Potential Transformation by Using Fluorescent Carbon Dots. Advanced Biology, 2020, 4, 1900261.	3.0	10
69	Visual Monitoring of Nucleic Acid Dynamic Structures during Cellular Ferroptosis Using Rationally Designed Carbon Dots with Robust Anti-Interference Ability to Reactive Oxygen Species. ACS Applied Bio Materials, 2022, 5, 2703-2711.	4.6	10
70	Capillary electrophoresis coupled with endâ€column electrochemiluminescence for the determination of ephedrine in human urine, and a study of its interactions with three proteins. Luminescence, 2011, 26, 374-379.	2.9	9
71	Spectroscopic and Docking Studies on the Binding of Liquiritigenin with Hyaluronidase for Antiallergic Mechanism. Scientifica, 2016, 2016, 1-8.	1.7	9
72	Unique Redox Reaction between CuO Photocathode and Cysteine: Insight into the Mechanism for Cathodic Photoelectrochemical Bioanalysis. ACS Applied Bio Materials, 2019, 2, 2703-2707.	4.6	9

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73	Modulation of bovine serum albumin aggregation by glutathione functionalized MoS2 quantum dots. International Journal of Biological Macromolecules, 2022, 195, 237-245.	7.5	9
74	Investigation of the Interaction between Isoflavonoids and Bovine Serum Albumin by Fluorescence Spectroscopy. Chinese Journal of Chemistry, 2007, 25, 1151-1155.	4.9	8
75	A novel fluorescent sensor for mercury (<scp>ii</scp>) ion using self-assembly of poly(diallyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.7	8
76	Molecular interaction of silybin with hyaluronidase: A spectroscopic and molecular docking study. Spectroscopy Letters, 2017, 50, 515-521.	1.0	8
77	Anti-solvatochromic fluorescence of thiazole [5, 4-d] thiazole by forming hydrogen bond network and its application in fast detection of trace water. Microchemical Journal, 2020, 154, 104640.	4.5	8
78	An electrostatic repulsion strategy for a highly selective and sensitive â€œswitch-onâ€•fluorescence sensor of ascorbic acid based on the cysteamine-coated CdTe quantum dots and cerium(<scp>iv</scp>). New Journal of Chemistry, 2021, 45, 6301-6307.	2.8	8
79	Highly selective and sensitive detection of glutathione over cysteine and homocysteine with a turn-on fluorescent biosensor based on cysteamine-stabilized CdTe quantum dots. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 267, 120492.	3.9	8
80	Assembly of multi-walled carbon nanotubesâ€“ZnSe quantum dot hybrids for a paeonol electrochemical sensor. Analytical Methods, 2014, 6, 3449.	2.7	7
81	Carbon Dots: Retrosynthesis of Tunable Fluorescent Carbon Dots for Precise Longâ€Term Mitochondrial Tracking (Small 48/2019). Small, 2019, 15, 1970259.	10.0	5
82	A novel fluorescence probe based on specific recognition of GABAA receptor for imaging cell membrane. Talanta, 2020, 219, 121317.	5.5	3
83	Ultraâ€sensitive detection of ATP in serum and lysates based on nitrogenâ€doped carbon dots. Luminescence, 2021, 36, 1584-1591.	2.9	3
84	Highly sensitive and selective fluorescence sensing and imaging of Fe 3+ based on a novel nitrogen doped graphene quantum dots. Luminescence, 2021, 36, 1592-1599.	2.9	3
85	Simultaneous determination and pharmacokinetics of five rhubarb anthraquinones in dog plasma by HPLC after orally administration the rhubarb extract. Pakistan Journal of Pharmaceutical Sciences, 2014, 27, 847-54.	0.2	1
86	Methyl viologen induced fluorescence quenching of CdTe quantum dots for highly sensitive and selective â€œoff-onâ€•sensing of ascorbic acid through redox reaction. Journal of Fluorescence, 2022, 32, 1405-1412.	2.5	1
87	Investigation on the effect of three isoflavones on the fibrillation of hen eggâ€white lysozyme. Journal of Molecular Recognition, 2021, 34, e2889.	2.1	0
88	Application of Molecular Docking in Studies on the Binding Mechanism of Three Enzymes with Natural Products. Advances in Medical Technologies and Clinical Practice Book Series, 2016, , 81-126.	0.3	0