Daqian Song

List of Publications by Year in Descending Order

106 papers	2,067 citations	25 h-index	39 g-index
113 ext. papers	2,584 ext. citations	5.4 avg, IF	5.17 L-index

#	Paper	IF	Citations
106	Ratiometric fluorescence and colorimetric dual-mode sensing platform based on carbon dots for detecting copper(II) ions and D-penicillamine.. *Analytical and Bioanalytical Chemistry*, **2022**, 414, 1651	4.4	0
105	A universal sensing platform based on iron and nitrogen co-doped carbon dots for detecting hydrogen peroxide and related metabolites in human fluid by ratiometric fluorometry and colorimetry.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 272, 121003	4.4	0
104	A TiC-MXene-functionalized LRSPR biosensor based on sandwich amplification for human IgG detection.. *Analytical and Bioanalytical Chemistry*, **2022**, 414, 2355	4.4	
103	Reversible fluorescent test strip with red fluorescent carbon dots for monitoring water in organic solvents: Visual detection via a smartphone.. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2022**, 276, 121195	4.4	1
102	Biotin-streptavidin sandwich integrated PDA-ZnO@Au nanocomposite based SPR sensor for hIgG detection.. *Talanta*, **2022**, 246, 123496	6.2	0
101	Construction of a magnetic-fluorescent-plasmonic nanosensor for the determination of MMP-2 activity based on SERS-fluorescence dual-mode signals. *Biosensors and Bioelectronics*, **2022**, 212, 114389	11.8	2
100	Disposable biosensor based on novel ternary Ru-PEI@PCN-333(Al) self-enhanced electrochemiluminescence system for on-site determination of caspase-3 activity. *Talanta*, **2021**, 239, 123083	6.2	1
99	Extraction of parabens by melamine sponge with determination by high-performance liquid chromatography. *Journal of Separation Science*, **2021**,	3.4	2
98	A FeSNPs-Luminol-MnONSs system based on chemiluminescence resonance energy transfer platform for sensing glutathione.. *Talanta*, **2021**, 240, 123171	6.2	2
97	Sensitive ratiometric fluorescence probe based on chitosan carbon dots and calcein for Alkaline phosphatase detection and bioimaging in cancer cells. *Analytica Chimica Acta*, **2021**, 1188, 339163	6.6	4
96	Six-in-one peptide functionalized upconversion@polydopamine nanoparticle-based ratiometric fluorescence sensing platform for real-time evaluating anticancer efficacy through monitoring caspase-3 activity. *Sensors and Actuators B: Chemical*, **2021**, 333, 129554	8.5	6
95	Application of MXene in Electrochemical Sensors: A Review. *Electroanalysis*, **2021**, 33, 1827-1851	3	18
94	Application of an in-situ formulated magnetic deep eutectic solvent for the determination of triazine herbicides in rice. *Talanta*, **2021**, 222, 121527	6.2	7
93	A sensitive "off-on" carbon dots-Ag nanoparticles fluorescent probe for cysteamine detection via the inner filter effect. *Talanta*, **2021**, 221, 121463	6.2	19
92	One-step fabrication of hydrophilic MIL-68(Al)/Chitosan-coated melamine sponge for vortex-assisted solid-phase extraction of parabens in water samples. *Talanta*, **2021**, 224, 121799	6.2	5
91	Sensitive ratiometric fluorescence assay for detecting xanthine in serum based on the inner filter effect of enzyme-catalyzed oxidation products to silicon nanoparticles. *Analytical and Bioanalytical Chemistry*, **2021**, 413, 1405-1415	4.4	1
90	A semi-automatic solid phase extraction system based on MIL-101(Cr) foam-filled syringe for detection of triazines in vegetable oils. *Journal of Separation Science*, **2021**, 44, 1089-1097	3.4	1

89	Vortex-assisted solid-phase extraction based on metal-organic framework/chitosan-functionalized hydrophilic sponge column for determination of triazine herbicides in environmental water by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2021**, 1638, 461887	4.5	7
88	A novel water-soluble near-infrared fluorescent probe for monitoring mitochondrial viscosity. *Talanta*, **2021**, 233, 122592	6.2	10
87	Near-infrared fluorescent probe based on Ag&Mn:ZnInS QDs for tyrosinase activity detection and inhibitor screening. *Sensors and Actuators B: Chemical*, **2021**, 344, 130234	8.5	5
86	A novel sensing platform for the determination of alkaline phosphatase based on SERS-fluorescent dual-mode signals. *Analytica Chimica Acta*, **2021**, 1183, 338989	6.6	2
85	A neoteric dual-signal colorimetric fluorescent probe for detecting endogenous/exogenous hydrogen peroxide in cells and monitoring drug-induced hepatotoxicity. *Talanta*, **2021**, 233, 122578	6.2	6
84	Colorimetry and SERS dual-mode sensing of serotonin based on functionalized gold nanoparticles. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 261, 120057	4.4	1
83	Ratiometric fluorescent sensor based on MoS QDs and AuNCs for determination and bioimaging of alkaline phosphatase. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2021**, 262, 120087	4.4	6
82	Fluorometric detection of dopamine based on 3-aminophenylboronic acid-functionalized AgInZnS QDs and cells imaging. *Talanta*, **2020**, 217, 121081	6.2	15
81	Recent advances in nanocomposite-based electrochemical aptasensors for the detection of toxins. *Journal of Materials Chemistry B*, **2020**, 8, 5808-5825	7.3	15
80	A novel highly sensitive and near-infrared fluorescent probe for detecting hypochlorite and its application in actual water sample and bioimaging. *Talanta*, **2020**, 215, 120892	6.2	18
79	Facile preparation of metal organic framework-based laboratory semi-automatic micro-extraction syringe packed column for analysis of parabens in vegetable oil samples. *Microchemical Journal*, **2020**, 158, 105200	4.8	6
78	Colorimetric and Fluorescent Dual-Mode Measurement of Blood Glucose by Organic Silicon Nanodots. *ACS Applied Nano Materials*, **2020**, 3, 11600-11607	5.6	6
77	Development of a novel acidic task-specific ionic liquid-based effervescence-assisted microextraction method for determination of triazine herbicides in tea beverage. *Talanta*, **2020**, 208, 120414	6.2	13
76	A fluorescein-carbazole-based fluorescent probe for imaging of endogenous hypochlorite in living cells and zebrafish. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 227, 117692	4.4	12
75	MIL-101(Cr)/MWCNTs-functionalized melamine sponges for solid-phase extraction of triazines from corn samples, and their subsequent determination by HPLC-MS/MS. *Talanta*, **2020**, 211, 120676	6.2	14
74	A simple and sensitive assay of alkaline phosphatase activity in serum by fluorescent silicon nanoparticles based on inner filter effect. *Sensors and Actuators B: Chemical*, **2020**, 307, 127589	8.5	15
73	A novel near-infrared fluorescent probe for intracellular detection of cysteine. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 7211-7217	4.4	3
72	A novel fluorescent probe for the localization of nucleoli developed via a chain reaction of endogenous cysteine in cells. *Journal of Materials Chemistry B*, **2020**, 8, 7652-7658	7.3	3

71	Lysosome-targeted ratiometric fluorescent sensor for monitoring pH in living cells based on one-pot-synthesized carbon dots. *Mikrochimica Acta*, **2020**, 187, 478	5.8	11
70	One-pot synthesis of hyaluronic acid-coated gold nanoparticles as SERS substrate for the determination of hyaluronidase activity. *Mikrochimica Acta*, **2020**, 187, 604	5.8	4
69	Development of a water-soluble near-infrared fluorescent probe for endogenous cysteine imaging. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 226, 117544	4.4	14
68	A novel near-infrared fluorescent probe for the dynamic monitoring of the concentration of glutathione in living cells. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2020**, 224, 117403	4.4	5
67	A novel colorimetric and near-infrared fluorescence probe for detecting and imaging exogenous and endogenous hydrogen peroxide in living cells. *Talanta*, **2020**, 217, 121000	6.2	16
66	FeO@PDA immune probe-based signal amplification in surface plasmon resonance (SPR) biosensing of human cardiac troponin I. *Colloids and Surfaces B: Biointerfaces*, **2019**, 177, 105-111	6	47
65	One-step fabrication of boronic-acid-functionalized carbon dots for the detection of sialic acid. *Talanta*, **2019**, 197, 548-552	6.2	39
64	A novel near-infrared fluorescent probe for detecting intracellular alkaline phosphatase and imaging of living cells. *Journal of Materials Chemistry B*, **2019**, 7, 1284-1291	7.3	32
63	Peptide-functionalized upconversion nanoparticles-based FRET sensing platform for Caspase-9 activity detection in vitro and in vivo. *Biosensors and Bioelectronics*, **2019**, 141, 111403	11.8	29
62	A novel and simple fluorescent sensor based on AgInZnS QDs for the detection of protamine and trypsin and imaging of cells. *Sensors and Actuators B: Chemical*, **2019**, 294, 263-269	8.5	29
61	A novel ESIPT-ICT-based near-infrared fluorescent probe with large stokes-shift for the highly sensitive, specific, and non-invasive in vivo detection of cysteine. *Sensors and Actuators B: Chemical*, **2019**, 296, 126571	8.5	25
60	A Mn-doped ZnS quantum dots-based ratiometric fluorescence probe for lead ion detection and "off-on" strategy for methyl parathion detection. *Talanta*, **2019**, 204, 13-19	6.2	27
59	Matrix solid-phase dispersion coupled with hollow fiber liquid phase microextraction for determination of triazine herbicides in peanuts. *Journal of Separation Science*, **2019**, 42, 2123-2130	3.4	15
58	A red-emitting fluorescence turn-on probe for the discrimination of cysteine from biothiols and its bioimaging applications in living cells. *Sensors and Actuators B: Chemical*, **2019**, 290, 47-52	8.5	22
57	One-step synthesized magnetic MIL-101(Cr) for effective extraction of triazine herbicides from rice prior to determination by liquid chromatography-tandem mass spectrometry. *Journal of Separation Science*, **2019**, 42, 2900-2908	3.4	8
56	Packed hybrids of gold nanoparticles and halloysite nanotubes for dispersive solid phase extraction of triazine herbicides, and their subsequent determination by HPLC. *Mikrochimica Acta*, **2019**, 186, 489	5.8	10
55	Solid-phase microextraction of triazine herbicides via cellulose paper coated with a metal-organic framework of type MIL-101(Cr), and their quantitation by HPLC-MS. *Mikrochimica Acta*, **2019**, 186, 742	5.8	17
54	Selective and sensitive fluorescence detection method for pig IgG based on competitive immunosensing strategy and magnetic bioseparation. *Talanta*, **2019**, 195, 103-108	6.2	16

53	An upconversion nanoparticle-based fluorescence resonance energy transfer system for effectively sensing caspase-3 activity. *Analyst, The*, **2018**, 143, 761-767	5	21
52	A sensitive SPR biosensor based on hollow gold nanospheres and improved sandwich assay with PDA-Ag@FeO/rGO. *Talanta*, **2018**, 180, 156-161	6.2	30
51	A novel surface plasmon resonance biosensor based on the PDA-AgNPs-PDA-Au film sensing platform for horse IgG detection. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2018**, 191, 290-295	4.4	22
50	Dopamine-modified Mn-doped ZnS quantum dots fluorescence probe for the sensitive detection of tyrosinase in serum samples and living cells imaging. *Sensors and Actuators B: Chemical*, **2018**, 256, 1069-1077	8.5	25
49	A water-soluble fluorescent probe for the sensitive detection of endogenous alkaline phosphatase in living cells. *Dyes and Pigments*, **2018**, 159, 584-589	4.6	15
48	A fluorescence resonance energy transfer biosensor based on carbon dots and gold nanoparticles for the detection of trypsin. *Sensors and Actuators B: Chemical*, **2018**, 273, 1015-1021	8.5	44
47	Rapid aqueous synthesis of CuInS/ZnS quantum dots as sensor probe for alkaline phosphatase detection and targeted imaging in cancer cells. *Talanta*, **2018**, 189, 411-417	6.2	26
46	Magnetic solid-phase extraction of triazine herbicides from rice using metal-organic framework MIL-101(Cr) functionalized magnetic particles. *Talanta*, **2018**, 179, 512-519	6.2	93
45	Enzymatic determination of uric acid using water-soluble CuInS/ZnS quantum dots as a fluorescent probe. *Mikrochimica Acta*, **2018**, 185, 499	5.8	20
44	Application of metal-organic framework MIL-101(Cr) to microextraction in packed syringe for determination of triazine herbicides in corn samples by liquid chromatography-tandem mass spectrometry. *Journal of Chromatography A*, **2018**, 1574, 36-41	4.5	21
43	Packed hybrids of gold nanoparticles and layered double hydroxide nanosheets for microextraction of triazine herbicides from maize. *Mikrochimica Acta*, **2018**, 185, 336	5.8	14
42	Synthesis and application of thiol-functionalized magnetic nanoparticles for studying interactions of epirubicin hydrochloride with bovine serum albumin by fluorescence spectrometry. *Luminescence*, **2017**, 32, 142-148	2.5	8
41	Ultrasensitive magnetic field-assisted surface plasmon resonance immunoassay for human cardiac troponin I. *Biosensors and Bioelectronics*, **2017**, 96, 288-293	11.8	60
40	Direct determination of migration amount of fluorescent whitening agents in facial mask. *Chemical Research in Chinese Universities*, **2017**, 33, 343-347	2.2	1
39	Ionic-liquid-functionalized zinc oxide nanoparticles for the solid-phase extraction of triazine herbicides in corn prior to high-performance liquid chromatography analysis. *Journal of Separation Science*, **2017**, 40, 2992-2998	3.4	16
38	On-site determination of the migration amount of fluorescent whitening agents from paper to finger by fluorescence spectrophotometry. *Analytical Methods*, **2017**, 9, 465-472	3.2	6
37	Hydrothermal synthesis of N-doped carbon dots for selective fluorescent sensing and cellular imaging of cobalt(II). *Mikrochimica Acta*, **2017**, 184, 3825-3831	5.8	16
36	Magnetic field-assisted SPR biosensor based on carboxyl-functionalized graphene oxide sensing film and Fe3O4-hollow gold nanohybrids probe. *Biosensors and Bioelectronics*, **2016**, 86, 95-101	11.8	21

35	An enhanced SPR immunosensing platform for human IgG based on the use of silver nanocubes and carboxy-functionalized graphene oxide. *Mikrochimica Acta*, **2016**, 183, 2177-2184	5.8	17
34	Magnetic core/shell Fe3O4/Au nanoparticles for studies of quinolones binding to protein by fluorescence spectroscopy. *Luminescence*, **2016**, 31, 499-506	2.5	6
33	Gold nanostar-enhanced surface plasmon resonance biosensor based on carboxyl-functionalized graphene oxide. *Analytica Chimica Acta*, **2016**, 913, 137-44	6.6	36
32	A novel fluorescent probe for Cr(3+) based on rhodamine-crown ether conjugate and its application to drinking water examination and bioimaging. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 156, 15-21	4.4	13
31	Enhancing sensitivity of surface plasmon resonance biosensor by Ag nanocubes/chitosan composite for the detection of mouse IgG. *Talanta*, **2016**, 146, 364-8	6.2	37
30	Determination of 6-Benzylaminopurine and Hg2+ in Bean Sprouts and Drinking Mineral Water by Surface-Enhanced Raman Spectroscopy. *Food Analytical Methods*, **2016**, 9, 934-941	3.4	5
29	A dielectric barrier discharge ionization based interface for online coupling surface plasmon resonance with mass spectrometry. *Analyst, The*, **2016**, 141, 3343-8	5	11
28	A FRET-based fluorescent probe for mercury ions in water and living cells. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 165, 99-105	4.4	27
27	Glass slides functionalized by 1-carboxyethyl-3-methylimidazolium chloride for the determination of triazine herbicides in rice using high-performance liquid chromatography. *Journal of Separation Science*, **2016**, 39, 4585-4591	3.4	11
26	Ultrasensitive determination of formaldehyde in environmental waters and food samples after derivatization and using silver nanoparticle assisted SERS. *Mikrochimica Acta*, **2015**, 182, 863-869	5.8	45
25	A novel fluorescence and surface-enhanced Raman scattering dual-signal probe for pH sensing based on Rhodamine derivative. *Dyes and Pigments*, **2015**, 122, 224-230	4.6	16
24	Interface for Online Coupling of Surface Plasmon Resonance to Direct Analysis in Real Time Mass Spectrometry. *Analytical Chemistry*, **2015**, 87, 6505-9	7.8	24
23	Selective determination of o-phenylenediamine by surface-enhanced Raman spectroscopy using silver nanoparticles decorated with □-cyclodextrin. *Mikrochimica Acta*, **2015**, 182, 167-174	5.8	20
22	A highly sensitive SPR biosensor based on a graphene oxide sheet modified with gold bipyramids, and its application to an immunoassay for rabbit IgG. *Mikrochimica Acta*, **2015**, 182, 1739-1746	5.8	17
21	Selective and sensitive SERS sensor for detection of Hg2+ in environmental water base on rhodamine-bonded and amino group functionalized SiO2-coated Au□Ag core□shell nanorods. *RSC Advances*, **2015**, 5, 32168-32174	3.7	28
20	A highly selective and sensitive ratiometric fluorescent probe for pH measurement based on fluorescence resonance energy transfer. *Chemical Research in Chinese Universities*, **2015**, 31, 724-729	2.2	7
19	Matrix solid-phase dispersion coupled with magnetic ionic liquid dispersive liquid-liquid microextraction for the determination of triazine herbicides in oilseeds. *Analytica Chimica Acta*, **2015**, 888, 67-74	6.6	73
18	Rapid Determination of Rhodamine B in Chili Powder by Surface-Enhanced Raman Spectroscopy. *Analytical Letters*, **2015**, 48, 1918-1929	2.2	10

List of Publications

17	Magnetic solid-phase extraction based on Fe3O4@polyaniline particles followed by ultrafast liquid chromatography for determination of Sudan dyes in environmental water samples. *Analytical Methods*, **2015**, 7, 1606-1614	3.2	16
16	Studies of gold nanorod-iron oxide nanohybrids for immunoassay based on SPR biosensor. *Talanta*, **2014**, 125, 29-35	6.2	25
15	Highly sensitive SERS probe for mercury(II) using cyclodextrin-protected silver nanoparticles functionalized with methimazole. *Mikrochimica Acta*, **2014**, 181, 975-981	5.8	30
14	Development and Optimization of a SERS Method for On-site Determination of Nitrite in Foods and Water. *Food Analytical Methods*, **2014**, 7, 1866-1873	3.4	17
13	Determination of five pyrethroids in tea drinks by dispersive solid phase extraction with polyaniline-coated magnetic particles. *Talanta*, **2014**, 119, 268-75	6.2	58
12	Preparation of graphene oxide-based surface plasmon resonance biosensor with Au bipyramid nanoparticles as sensitivity enhancer. *Colloids and Surfaces B: Biointerfaces*, **2014**, 116, 211-8	6	34
11	Magnetic ionic liquid-based dispersive liquid-liquid microextraction for the determination of triazine herbicides in vegetable oils by liquid chromatography. *Journal of Chromatography A*, **2014**, 1373, 9-16	4.5	88
10	Simultaneous determination of thiocyanate ion and melamine in milk and milk powder using surface-enhanced Raman spectroscopy. *Analytical Methods*, **2014**, 6, 8388-8395	3.2	26
9	Application of C18-functional magnetic nanoparticles for extraction of aromatic amines from human urine. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2014**, 947-948, 49-56	3.2	21
8	Determination of illegal dyes in Salvia miltiorrhiza Bunge by matrix solid phase dispersion and ultrafast liquid chromatography. *Analytical Methods*, **2014**, 6, 4455-4461	3.2	1
7	Rapid determination of melamine in milk and milk powder by surface-enhanced Raman spectroscopy and using cyclodextrin-decorated silver nanoparticles. *Mikrochimica Acta*, **2013**, 180, 1173-1180	5.8	78
6	Determination of Sudan dyes in environmental water by magnetic mesoporous microsphere-based solid phase extraction ultra fast liquid chromatography. *Analytical Methods*, **2013**, 5, 1399	3.2	24
5	A practical and rapid method for the simultaneous isolation, purification and quantification of geniposide from the fruit of Gardenia jasminoides Ellis by MSPD extraction and UFLC analysis. *Analytical Methods*, **2013**, 5, 4112	3.2	9
4	Rapid Extraction of Essential Oil from Dried Cinnamomum cassia Presl and Forsythia suspensa (Thunb.) Vahl by Ionic Liquid Microwave Extraction. *Chinese Journal of Chemistry*, **2010**, 28, 2513-2519	4.9	3
3	Study on the interaction mechanism between DNA and the main active components in Georgi. *Sensors and Actuators B: Chemical*, **2008**, 129, 799-810	8.5	173
2	A simple flow-injection on-line clean-up system for microwave plasma-torch atomic emission spectrometry. *FreseniusJournal of Analytical Chemistry*, **2001**, 370, 1061-4		
1	Studies on end-on-viewed microwave plasma torch atomic emission spectrometry. *Journal of Analytical Atomic Spectrometry*, **2000**, 15, 973-978	3.7	9