Daqian Song

List of Publications by Year in descending order

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DAOLAN SONG

#	Article	IF	CITATIONS
1	Study on the interaction mechanism between DNA and the main active components in Scutellaria baicalensis Georgi. Sensors and Actuators B: Chemical, 2008, 129, 799-810.	4.0	199
2	Magnetic solid-phase extraction of triazine herbicides from rice using metal-organic framework MIL-101(Cr) functionalized magnetic particles. Talanta, 2018, 179, 512-519.	2.9	112
3	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.	1.8	106
4	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.	2.5	89
5	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.	2.6	87
6	Ultrasensitive magnetic field-assisted surface plasmon resonance immunoassay for human cardiac troponin I. Biosensors and Bioelectronics, 2017, 96, 288-293.	5.3	87
7	Application of MXene in Electrochemical Sensors: A Review. Electroanalysis, 2021, 33, 1827-1851.	1.5	86
8	Fe3O4@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.	2.5	68
9	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.	4.0	65
10	One-step fabrication of boronic-acid-functionalized carbon dots for the detection of sialic acid. Talanta, 2019, 197, 548-552.	2.9	61
11	Determination of five pyrethroids in tea drinks by dispersive solid phase extraction with polyaniline-coated magnetic particles. Talanta, 2014, 119, 268-275.	2.9	60
12	Ultrasensitive determination of formaldehyde in environmental waters and food samples after derivatization and using silver nanoparticle assisted SERS. Mikrochimica Acta, 2015, 182, 863-869.	2.5	54
13	A sensitive "off-on―carbon dots-Ag nanoparticles fluorescent probe for cysteamine detection via the inner filter effect. Talanta, 2021, 221, 121463.	2.9	48
14	Gold nanostar-enhanced surface plasmon resonance biosensor based on carboxyl-functionalized graphene oxide. Analytica Chimica Acta, 2016, 913, 137-144.	2.6	47
15	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.	2.9	47
16	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.	4.0	45
17	Enhancing sensitivity of surface plasmon resonance biosensor by Ag nanocubes/chitosan composite for the detection of mouse IgG. Talanta, 2016, 146, 364-368.	2.9	44
18	A sensitive SPR biosensor based on hollow gold nanospheres and improved sandwich assay with PDA-Ag@Fe3O4/rGO. Talanta, 2018, 180, 156-161.	2.9	44

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19	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.	4.0	42
20	Selective and sensitive SERS sensor for detection of Hg ²⁺ in environmental water base on rhodamine-bonded and amino group functionalized SiO ₂ -coated Au–Ag core–shell nanorods. RSC Advances, 2015, 5, 32168-32174.	1.7	41
21	Peptide-functionalized upconversion nanoparticles-based FRET sensing platform for Caspase-9 activity detection in vitro and in vivo. Biosensors and Bioelectronics, 2019, 141, 111403.	5.3	40
22	Preparation of graphene oxide-based surface plasmon resonance biosensor with Au bipyramid nanoparticles as sensitivity enhancer. Colloids and Surfaces B: Biointerfaces, 2014, 116, 211-218.	2.5	39
23	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.	2.9	39
24	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.	2.9	38
25	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.	1.8	37
26	Enzymatic determination of uric acid using water-soluble CuInS/ZnS quantum dots as a fluorescent probe. Mikrochimica Acta, 2018, 185, 499.	2.5	36
27	Highly sensitive SERS probe for mercury(II) using cyclodextrin-protected silver nanoparticles functionalized with methimazole. Mikrochimica Acta, 2014, 181, 975-981.	2.5	34
28	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.	4.0	34
29	Simultaneous determination of thiocyanate ion and melamine in milk and milk powder using surface-enhanced Raman spectroscopy. Analytical Methods, 2014, 6, 8388-8395.	1.3	33
30	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.	2.5	33
31	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.	2.9	31
32	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.	4.0	31
33	Studies of gold nanorod-iron oxide nanohybrids for immunoassay based on SPR biosensor. Talanta, 2014, 125, 29-35.	2.9	29
34	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.	2.0	29
35	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.	5.3	29
36	Lysosome-targeted ratiometric fluorescent sensor for monitoring pH in living cells based on one-pot-synthesized carbon dots. Mikrochimica Acta, 2020, 187, 478.	2.5	29

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37	Recent advances in nanocomposite-based electrochemical aptasensors for the detection of toxins. Journal of Materials Chemistry B, 2020, 8, 5808-5825.	2.9	29
38	A novel water-soluble near-infrared fluorescent probe for monitoring mitochondrial viscosity. Talanta, 2021, 233, 122592.	2.9	29
39	An upconversion nanoparticle-based fluorescence resonance energy transfer system for effectively sensing caspase-3 activity. Analyst, The, 2018, 143, 761-767.	1.7	28
40	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.	2.9	28
41	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.	5.3	28
42	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.	2.0	27
43	Determination of Sudan dyes in environmental water by magnetic mesoporous microsphere-based solid phase extraction ultra fast liquid chromatography. Analytical Methods, 2013, 5, 1399.	1.3	26
44	Interface for Online Coupling of Surface Plasmon Resonance to Direct Analysis in Real Time Mass Spectrometry. Analytical Chemistry, 2015, 87, 6505-6509.	3.2	26
45	A novel colorimetric and near-infrared fluorescence probe for detecting and imaging exogenous and endogenous hydrogen peroxide in living cells. Talanta, 2020, 217, 121000.	2.9	26
46	Selective determination of o-phenylenediamine by surface-enhanced Raman spectroscopy using silver nanoparticles decorated with α-cyclodextrin. Mikrochimica Acta, 2015, 182, 167-174.	2.5	25
47	Application of an in-situ formulated magnetic deep eutectic solvent for the determination of triazine herbicides in rice. Talanta, 2021, 222, 121527.	2.9	25
48	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.	2.0	24
49	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.	2.5	24
50	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.	2.5	23
51	A water-soluble fluorescent probe for the sensitive detection of endogenous alkaline phosphatase in living cells. Dyes and Pigments, 2018, 159, 584-589.	2.0	23
52	Matrix solidâ€phase dispersion coupled with hollow fiber liquid phase microextraction for determination of triazine herbicides in peanuts. Journal of Separation Science, 2019, 42, 2123-2130.	1.3	23
53	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.	4.0	23
54	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.	1.2	22

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55	A novel fluorescent probe for Cr3+ 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.	2.0	22
56	Hydrothermal synthesis of N-doped carbon dots for selective fluorescent sensing and cellular imaging of cobalt(II). Mikrochimica Acta, 2017, 184, 3825-3831.	2.5	22
57	Fluorometric detection of dopamine based on 3-aminophenylboronic acid-functionalized AgInZnS QDs and cells imaging. Talanta, 2020, 217, 121081.	2.9	22
58	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.	1.8	22
59	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.	2.6	21
60	Development and Optimization of a SERS Method for On-site Determination of Nitrite in Foods and Water. Food Analytical Methods, 2014, 7, 1866-1873.	1.3	20
61	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.	2.9	20
62	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.	2.9	20
63	Magnetic solid-phase extraction based on Fe ₃ O ₄ @polyaniline particles followed by ultrafast liquid chromatography for determination of Sudan dyes in environmental water samples. Analytical Methods, 2015, 7, 1606-1614.	1.3	19
64	Selective and sensitive fluorescence detection method for pig IgG based on competitive immunosensing strategy and magnetic bioseparation. Talanta, 2019, 195, 103-108.	2.9	19
65	Development of a water-soluble near-infrared fluorescent probe for endogenous cysteine imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 226, 117544.	2.0	19
66	lonic-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.	1.3	18
67	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.	2.0	18
68	A novel sensing platform for the determination of alkaline phosphatase based on SERS-fluorescent dual-mode signals. Analytica Chimica Acta, 2021, 1183, 338989.	2.6	18
69	A neoteric dual-signal colorimetric fluorescent probe for detecting endogenous/exogenous hydrogen peroxide in cells and monitoring drug-induced hepatotoxicity. Talanta, 2021, 233, 122578.	2.9	18
70	Ratiometric fluorescent sensor based on MoS2 QDs and AuNCs for determination and bioimaging of alkaline phosphatase. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 262, 120087.	2.0	18
71	Colorimetric and Fluorescent Dual-Mode Measurement of Blood Glucose by Organic Silicon Nanodots. ACS Applied Nano Materials, 2020, 3, 11600-11607.	2.4	18
72	Glass slides functionalized by 1â€carboxyethylâ€3â€methylimidazolium chloride for the determination of triazine herbicides in rice using highâ€performance liquid chromatography. Journal of Separation Science, 2016, 39, 4585-4591.	1.3	17

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73	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.	4.0	17
74	Packed hybrids of gold nanoparticles and layered double hydroxide nanosheets for microextraction of triazine herbicides from maize. Mikrochimica Acta, 2018, 185, 336.	2.5	16
75	Studies on end-on-viewed microwave plasma torch atomic emission spectrometry. Journal of Analytical Atomic Spectrometry, 2000, 15, 973-978.	1.6	15
76	A dielectric barrier discharge ionization based interface for online coupling surface plasmon resonance with mass spectrometry. Analyst, The, 2016, 141, 3343-3348.	1.7	15
77	Oneâ€step synthesized magnetic MILâ€101(Cr) for effective extraction of triazine herbicides from rice prior to determination by liquid chromatographyâ€ŧandem mass spectrometry. Journal of Separation Science, 2019, 42, 2900-2908.	1.3	15
78	One-pot synthesis of hyaluronic acid–coated gold nanoparticles as SERS substrate for the determination of hyaluronidase activity. Mikrochimica Acta, 2020, 187, 604.	2.5	15
79	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	2.0	14
80	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.	1.3	13
81	Biotin-streptavidin sandwich integrated PDA-ZnO@Au nanocomposite based SPR sensor for hlgG detection. Talanta, 2022, 246, 123496.	2.9	13
82	Rapid Determination of Rhodamine B in Chili Powder by Surface-Enhanced Raman Spectroscopy. Analytical Letters, 2015, 48, 1918-1929.	1.0	12
83	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.	4.0	12
84	Preparation of a disposable electrochemiluminescence sensor chip based on an MXene-loaded ruthenium luminescent agent and its application in the detection of carcinoembryonic antigens. Analyst, The, 2022, 147, 1986-1994.	1.7	12
85	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.	1.3	11
86	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.	2.5	11
87	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.	2.3	11
88	Synthesis and application of thiolâ€functionalized magnetic nanoparticles for studying interactions of epirubicin hydrochloride with bovine serum albumin by fluorescence spectrometry. Luminescence, 2017, 32, 142-148.	1.5	10
89	On-site determination of the migration amount of fluorescent whitening agents from paper to finger by fluorescence spectrophotometry. Analytical Methods, 2017, 9, 465-472.	1.3	10
90	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.	2.0	10

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91	A novel fluorescent probe for the localization of nucleoli developed <i>via</i> a chain reaction of endogenous cysteine in cells. Journal of Materials Chemistry B, 2020, 8, 7652-7658.	2.9	10
92	Disposable biosensor based on novel ternary Ru-PEI@PCN-333(Al) self-enhanced electrochemiluminescence system for on-site determination of caspase-3 activity. Talanta, 2022, 239, 123083.	2.9	9
93	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, 1651-1662.	1.9	9
94	A FeS2NPs-Luminol-MnO2NSs system based on chemiluminescence resonance energy transfer platform for sensing glutathione. Talanta, 2022, 240, 123171.	2.9	8
95	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.	2.0	8
96	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.	1.3	7
97	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.	1.9	7
98	Colorimetry and SERS dual-mode sensing of serotonin based on functionalized gold nanoparticles. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 261, 120057.	2.0	7
99	A novel nearâ€infrared fluorescence probe for detecting and imaging Hg ²⁺ in living cells. Luminescence, 2022, 37, 161-169.	1.5	7
100	Magnetic core/shell Fe ₃ O ₄ /Au nanoparticles for studies of quinolones binding to protein by fluorescence spectroscopy. Luminescence, 2016, 31, 499-506.	1.5	6
101	A novel near-infrared fluorescent probe for intracellular detection of cysteine. Analytical and Bioanalytical Chemistry, 2020, 412, 7211-7217.	1.9	6
102	A semiâ€automatic solid phase extraction system based on MILâ€101(Cr) foamâ€filled syringe for detection of triazines in vegetable oils. Journal of Separation Science, 2021, 44, 1089-1097.	1.3	5
103	Extraction of parabens by melamine sponge with determination by highâ€performance liquid chromatography. Journal of Separation Science, 2022, 45, 697-705.	1.3	5
104	Rapid Extraction of Essential Oil from Dried <i>Cinnamomum cassia</i> Presl and <i>Forsythia suspensa</i> (Thunb.) Vahl by Ionic Liquid Microwave Extraction. Chinese Journal of Chemistry, 2010, 28, 2513-2519.	2.6	4
105	Fabrication of the Metal-Organic Framework Membrane with Excellent Adsorption Properties for Paraben Based on Micro Fibrillated Cellulose. Chemical Research in Chinese Universities, 2022, 38, 790-797.	1.3	4
106	Ultrabright silicon nanoparticle fluorescence probe for sensitive detection of cholesterol in human serum. Analytical and Bioanalytical Chemistry, 2022, 414, 3827-3836.	1.9	3
107	A sensitive electrochemiluminescent sensor chip based on the ssDNA $\hat{a}\in \mathbb{R}$ u(II) complex and aptamer for the determination of thrombin. Luminescence, 2022, , .	1.5	3
108	Direct determination of migration amount of fluorescent whitening agents in facial mask. Chemical Research in Chinese Universities, 2017, 33, 343-347.	1.3	2

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109	Determination of illegal dyes in Salvia miltiorrhiza Bunge by matrix solid phase dispersion and ultrafast liquid chromatography. Analytical Methods, 2014, 6, 4455-4461.	1.3	1
110	A Ti3C2-MXene-functionalized LRSPR biosensor based on sandwich amplification for human IgG detection. Analytical and Bioanalytical Chemistry, 2022, 414, 2355-2362.	1.9	1
111	A simple flow-injection on-line clean-up system for microwave plasma-torch atomic emission spectrometry. Fresenius' Journal of Analytical Chemistry, 2001, 370, 1061-1064.	1.5	Ο
112	An Optical Immunosensor Based on Surface Plasmon Resonance for Human cTnI Determination. , 2008, ,		0
113	Multifunctional probe based on modified Ag&Mn:ZnInS QDs for dual-mode fluorescence and magnetic resonance imaging of intracellular glutathione. Analytica Chimica Acta, 2022, 1221, 340172.	2.6	0