

Ying Sun

List of Publications by Year in descending order

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96
papers

2,903
citations

136740

32
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214527

47
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all docs

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docs citations

97
times ranked

3385
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic solid-phase extraction of triazine herbicides from rice using metal-organic framework MIL-101(Cr) functionalized magnetic particles. <i>Talanta</i> , 2018, 179, 512-519.	2.9	112
2	A novel surface plasmon resonance biosensor based on graphene oxide decorated with gold nanorod-antibody conjugates for determination of transferrin. <i>Biosensors and Bioelectronics</i> , 2013, 45, 230-236.	5.3	107
3	Magnetic ionic liquid-based dispersive liquid-liquid microextraction for the determination of triazine herbicides in vegetable oils by liquid chromatography. <i>Journal of Chromatography A</i> , 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. <i>Mikrochimica Acta</i> , 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. <i>Analytica Chimica Acta</i> , 2015, 888, 67-74.	2.6	87
6	Ultrasensitive magnetic field-assisted surface plasmon resonance immunoassay for human cardiac troponin I. <i>Biosensors and Bioelectronics</i> , 2017, 96, 288-293.	5.3	87
7	Application of MXene in Electrochemical Sensors: A Review. <i>Electroanalysis</i> , 2021, 33, 1827-1851.	1.5	86
8	Preparation of surface plasmon resonance biosensor based on magnetic core/shell Fe ₃ O ₄ /SiO ₂ and Fe ₃ O ₄ /Ag/SiO ₂ nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 84, 484-490.	2.5	79
9	Fe ₃ O ₄ @PDA immune probe-based signal amplification in surface plasmon resonance (SPR) biosensing of human cardiac troponin I. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 105-111.	2.5	68
10	One-step fabrication of boronic-acid-functionalized carbon dots for the detection of sialic acid. <i>Talanta</i> , 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. <i>Talanta</i> , 2014, 119, 268-275.	2.9	60
12	Design and performances of immunoassay based on SPR biosensor with magnetic microbeads. <i>Biosensors and Bioelectronics</i> , 2007, 23, 473-478.	5.3	55
13	A Novel Graphene Oxide-Based Surface Plasmon Resonance Biosensor for Immunoassay. <i>Small</i> , 2013, 9, 2537-2540.	5.2	52
14	Sensitivity enhancement of SPR biosensor with silver mirror reaction on the Ag/Au film. <i>Talanta</i> , 2009, 78, 265-269.	2.9	50
15	A sensitive off-on-carbon dots-Ag nanoparticles fluorescent probe for cysteamine detection via the inner filter effect. <i>Talanta</i> , 2021, 221, 121463.	2.9	48
16	Gold nanostar-enhanced surface plasmon resonance biosensor based on carboxyl-functionalized graphene oxide. <i>Analytica Chimica Acta</i> , 2016, 913, 137-144.	2.6	47
17	Preparation and application of novel nanocomposites of magnetic-Au nanorod in SPR biosensor. <i>Biosensors and Bioelectronics</i> , 2012, 34, 137-143.	5.3	45
18	A novel and simple fluorescent sensor based on AgInZnS QDs for the detection of protamine and trypsin and imaging of cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 294, 263-269.	4.0	45

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19	Design and performances of immunoassay based on SPR biosensor with Au/Ag alloy nanocomposites. <i>Sensors and Actuators B: Chemical</i> , 2011, 157, 547-553.	4.0	44
20	Enhancing sensitivity of surface plasmon resonance biosensor by Ag nanocubes/chitosan composite for the detection of mouse IgG. <i>Talanta</i> , 2016, 146, 364-368.	2.9	44
21	A sensitive SPR biosensor based on hollow gold nanospheres and improved sandwich assay with PDA-Ag@Fe ₃ O ₄ /rGO. <i>Talanta</i> , 2018, 180, 156-161.	2.9	44
22	A novel ES IPT-ICT-based near-infrared fluorescent probe with large stokes-shift for the highly sensitive, specific, and non-invasive in vivo detection of cysteine. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126571.	4.0	42
23	Preparation and application of triangular silver nanoplates/chitosan composite in surface plasmon resonance biosensing. <i>Analytica Chimica Acta</i> , 2013, 769, 114-120.	2.6	40
24	Magnetic solid-phase extraction and ultrafast liquid chromatographic detection of Sudan dyes in red wines, juices, and mature vinegars. <i>Journal of Separation Science</i> , 2012, 35, 3403-3411.	1.3	39
25	Preparation of graphene oxide-based surface plasmon resonance biosensor with Au bipyramid nanoparticles as sensitivity enhancer. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 211-218.	2.5	39
26	A Mn-doped ZnS quantum dots-based ratiometric fluorescence probe for lead ion detection and off-on strategy for methyl parathion detection. <i>Talanta</i> , 2019, 204, 13-19.	2.9	39
27	A novel highly sensitive and near-infrared fluorescent probe for detecting hypochlorite and its application in actual water sample and bioimaging. <i>Talanta</i> , 2020, 215, 120892.	2.9	38
28	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. <i>Journal of Chromatography A</i> , 2018, 1574, 36-41.	1.8	37
29	Enzymatic determination of uric acid using water-soluble CuInS/ZnS quantum dots as a fluorescent probe. <i>Mikrochimica Acta</i> , 2018, 185, 499.	2.5	36
30	Highly sensitive SERS probe for mercury(II) using cyclodextrin-protected silver nanoparticles functionalized with methimazole. <i>Mikrochimica Acta</i> , 2014, 181, 975-981.	2.5	34
31	Studies of Fe ₃ O ₄ /Ag/Au composites for immunoassay based on surface plasmon resonance biosensor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 165-170.	2.5	33
32	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. <i>Mikrochimica Acta</i> , 2019, 186, 742.	2.5	33
33	Hollow gold nanoparticle-enhanced SPR based sandwich immunoassay for human cardiac troponin I. <i>Mikrochimica Acta</i> , 2017, 184, 2395-2402.	2.5	31
34	Rapid aqueous synthesis of CuInS/ZnS quantum dots as sensor probe for alkaline phosphatase detection and targeted imaging in cancer cells. <i>Talanta</i> , 2018, 189, 411-417.	2.9	31
35	A red-emitting fluorescence turn-on probe for the discrimination of cysteine from biothiols and its bioimaging applications in living cells. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 47-52.	4.0	31
36	Enhanced wavelength modulation SPR biosensor based on gold nanorods for immunoglobulin detection. <i>Talanta</i> , 2013, 115, 857-862.	2.9	30

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37	Studies of gold nanorod-iron oxide nanohybrids for immunoassay based on SPR biosensor. <i>Talanta</i> , 2014, 125, 29-35.	2.9	29
38	A FRET-based fluorescent probe for mercury ions in water and living cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 165, 99-105.	2.0	29
39	Magnetic field-assisted SPR biosensor based on carboxyl-functionalized graphene oxide sensing film and Fe ₃ O ₄ -hollow gold nanohybrids probe. <i>Biosensors and Bioelectronics</i> , 2016, 86, 95-101.	5.3	29
40	Lysosome-targeted ratiometric fluorescent sensor for monitoring pH in living cells based on one-pot-synthesized carbon dots. <i>Mikrochimica Acta</i> , 2020, 187, 478.	2.5	29
41	A novel water-soluble near-infrared fluorescent probe for monitoring mitochondrial viscosity. <i>Talanta</i> , 2021, 233, 122592.	2.9	29
42	MIL-101(Cr)/MWCNTs-functionalized melamine sponges for solid-phase extraction of triazines from corn samples, and their subsequent determination by HPLC-MS/MS. <i>Talanta</i> , 2020, 211, 120676.	2.9	28
43	A novel surface plasmon resonance biosensor based on the PDA-AgNPs-PDA-Au film sensing platform for horse IgG detection. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 191, 290-295.	2.0	27
44	Surface plasmon resonance biosensor based on Au nanoparticle in titania sol-gel membrane. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010, 75, 520-525.	2.5	26
45	Determination of Sudan dyes in environmental water by magnetic mesoporous microsphere-based solid phase extraction ultra fast liquid chromatography. <i>Analytical Methods</i> , 2013, 5, 1399.	1.3	26
46	A novel colorimetric and near-infrared fluorescence probe for detecting and imaging exogenous and endogenous hydrogen peroxide in living cells. <i>Talanta</i> , 2020, 217, 121000.	2.9	26
47	Application of an in-situ formulated magnetic deep eutectic solvent for the determination of triazine herbicides in rice. <i>Talanta</i> , 2021, 222, 121527.	2.9	25
48	An enhanced SPR immunosensing platform for human IgG based on the use of silver nanocubes and carboxy-functionalized graphene oxide. <i>Mikrochimica Acta</i> , 2016, 183, 2177-2184.	2.5	24
49	A highly sensitive SPR biosensor based on a graphene oxide sheet modified with gold bipyramids, and its application to an immunoassay for rabbit IgG. <i>Mikrochimica Acta</i> , 2015, 182, 1739-1746.	2.5	23
50	Matrix solid-phase dispersion coupled with hollow fiber liquid phase microextraction for determination of triazine herbicides in peanuts. <i>Journal of Separation Science</i> , 2019, 42, 2123-2130.	1.3	23
51	Development of a vortex-assisted ionic liquid microextraction method for the determination of aromatic amines in environmental water samples. <i>Analytical Methods</i> , 2012, 4, 2074.	1.3	22
52	Application of C18-functional magnetic nanoparticles for extraction of aromatic amines from human urine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 947-948, 49-56.	1.2	22
53	Hydrothermal synthesis of N-doped carbon dots for selective fluorescent sensing and cellular imaging of cobalt(II). <i>Mikrochimica Acta</i> , 2017, 184, 3825-3831.	2.5	22
54	Fluorometric detection of dopamine based on 3-aminophenylboronic acid-functionalized AgInZnS QDs and cells imaging. <i>Talanta</i> , 2020, 217, 121081.	2.9	22

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55	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. <i>Journal of Chromatography A</i> , 2021, 1638, 461887.	1.8	22
56	Development of a novel acidic task-specific ionic liquid-based effervescence-assisted microextraction method for determination of triazine herbicides in tea beverage. <i>Talanta</i> , 2020, 208, 120414.	2.9	20
57	One-step fabrication of hydrophilic MIL-68(Al)/Chitosan-coated melamine sponge for vortex-assisted solid-phase extraction of parabens in water samples. <i>Talanta</i> , 2021, 224, 121799.	2.9	20
58	<i>In situ</i> ionic-liquid-dispersive liquid-liquid microextraction of Sudan dyes from liquid samples. <i>Journal of Separation Science</i> , 2014, 37, 1967-1973.	1.3	19
59	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. <i>Analytical Methods</i> , 2015, 7, 1606-1614.	1.3	19
60	Selective and sensitive fluorescence detection method for pig IgG based on competitive immunosensing strategy and magnetic bioseparation. <i>Talanta</i> , 2019, 195, 103-108.	2.9	19
61	Development of a water-soluble near-infrared fluorescent probe for endogenous cysteine imaging. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117544.	2.0	19
62	Ionic-liquid-functionalized zinc oxide nanoparticles for the solid-phase extraction of triazine herbicides in corn prior to high-performance liquid chromatography analysis. <i>Journal of Separation Science</i> , 2017, 40, 2992-2998.	1.3	18
63	A novel sensing platform for the determination of alkaline phosphatase based on SERS-fluorescent dual-mode signals. <i>Analytica Chimica Acta</i> , 2021, 1183, 338989.	2.6	18
64	A neoteric dual-signal colorimetric fluorescent probe for detecting endogenous/exogenous hydrogen peroxide in cells and monitoring drug-induced hepatotoxicity. <i>Talanta</i> , 2021, 233, 122578.	2.9	18
65	Ratiometric fluorescent sensor based on MoS ₂ QDs and AuNCs for determination and bioimaging of alkaline phosphatase. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 262, 120087.	2.0	18
66	Colorimetric and Fluorescent Dual-Mode Measurement of Blood Glucose by Organic Silicon Nanodots. <i>ACS Applied Nano Materials</i> , 2020, 3, 11600-11607.	2.4	18
67	Improvement of surface plasmon resonance biosensor with magnetic beads via assembled polyelectrolyte layers. <i>Analytica Chimica Acta</i> , 2008, 624, 294-300.	2.6	17
68	Glass slides functionalized by 1- <i>carboxyethyl</i> -3-methylimidazolium chloride for the determination of triazine herbicides in rice using high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2016, 39, 4585-4591.	1.3	17
69	Packed hybrids of gold nanoparticles and layered double hydroxide nanosheets for microextraction of triazine herbicides from maize. <i>Mikrochimica Acta</i> , 2018, 185, 336.	2.5	16
70	One-step synthesized magnetic MIL-101(Cr) for effective extraction of triazine herbicides from rice prior to determination by liquid chromatography-tandem mass spectrometry. <i>Journal of Separation Science</i> , 2019, 42, 2900-2908.	1.3	15
71	One-pot synthesis of hyaluronic acid-coated gold nanoparticles as SERS substrate for the determination of hyaluronidase activity. <i>Mikrochimica Acta</i> , 2020, 187, 604.	2.5	15
72	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. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 272, 121003.	2.0	14

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73	Biotin-streptavidin sandwich integrated PDA-ZnO@Au nanocomposite based SPR sensor for hlgG detection. <i>Talanta</i> , 2022, 246, 123496.	2.9	13
74	Theoretical investigations on electronic structures and photophysical properties of novel bridged triphenylamine derivatives. <i>International Journal of Quantum Chemistry</i> , 2012, 112, 1473-1490.	1.0	11
75	A practical and rapid method for the simultaneous isolation, purification and quantification of geniposide from the fruit of <i>Gardenia jasminoides</i> Ellis by MSPD extraction and UFLC analysis. <i>Analytical Methods</i> , 2013, 5, 4112.	1.3	11
76	Packed hybrids of gold nanoparticles and halloysite nanotubes for dispersive solid phase extraction of triazine herbicides, and their subsequent determination by HPLC. <i>Mikrochimica Acta</i> , 2019, 186, 489.	2.5	11
77	Facile preparation of metal organic framework-based laboratory semi-automatic micro-extraction syringe packed column for analysis of parabens in vegetable oil samples. <i>Microchemical Journal</i> , 2020, 158, 105200.	2.3	11
78	Theoretical investigation of one- and two-photon spectra of pyrazabole chromophores. <i>Theoretical Chemistry Accounts</i> , 2011, 130, 37-50.	0.5	10
79	Synthesis and application of thiol-functionalized magnetic nanoparticles for studying interactions of epirubicin hydrochloride with bovine serum albumin by fluorescence spectrometry. <i>Luminescence</i> , 2017, 32, 142-148.	1.5	10
80	A novel fluorescent probe for the localization of nucleoli developed via a chain reaction of endogenous cysteine in cells. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7652-7658.	2.9	10
81	Theoretical investigation of two-photon absorption and fluorescence properties of cypridina luciferin-based derivatives: 2,3,5-trisubstituted pyrazine compounds. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 822-833.	0.9	9
82	Ratiometric fluorescence and colorimetric dual-mode sensing platform based on carbon dots for detecting copper(II) ions and D-penicillamine. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1651-1662.	1.9	9
83	Theoretical investigation of the two-photon absorption properties of 3,6-bis(4-vinylpyridinium) carbazole derivatives—new biological fluorescent probes. <i>Journal of Molecular Modeling</i> , 2012, 18, 2357-2367.	0.8	7
84	Sensitive ratiometric fluorescence assay for detecting xanthine in serum based on the inner filter effect of enzyme-catalyzed oxidation products to silicon nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 1405-1415.	1.9	7
85	Colorimetry and SERS dual-mode sensing of serotonin based on functionalized gold nanoparticles. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 261, 120057.	2.0	7
86	Magnetic core/shell Fe ₃ O ₄ /Au nanoparticles for studies of quinolones binding to protein by fluorescence spectroscopy. <i>Luminescence</i> , 2016, 31, 499-506.	1.5	6
87	A novel near-infrared fluorescent probe for intracellular detection of cysteine. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 7211-7217.	1.9	6
88	Surface plasmon resonance biosensor based on Hg/Ag@Au film. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 1875-1882.	1.9	5
89	A semi-automatic solid phase extraction system based on MIL-101(Cr) foam-filled syringe for detection of triazines in vegetable oils. <i>Journal of Separation Science</i> , 2021, 44, 1089-1097.	1.3	5
90	Extraction of parabens by melamine sponge with determination by high-performance liquid chromatography. <i>Journal of Separation Science</i> , 2022, 45, 697-705.	1.3	5

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91	Study on Interaction of Ginsenosides with Bovine or Human Serum Albumin Using Wavelength Modulation Surface Plasmon Resonance Biosensor. Chinese Journal of Chemistry, 2006, 24, 660-664.	2.6	4
92	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
93	Ultrabright silicon nanoparticle fluorescence probe for sensitive detection of cholesterol in human serum. Analytical and Bioanalytical Chemistry, 2022, 414, 3827-3836.	1.9	3
94	Effect of Explicit Water Molecules on the Color-Tuning Mechanism of the Firefly. Chinese Journal of Chemistry, 2011, 29, 2301-2307.	2.6	2
95	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
96	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