

Yafeng Guan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

79
papers

1,854
citations

26
h-index

40
g-index

84
ext. papers

2,049
ext. citations

5.5
avg, IF

4.85
L-index

#	Paper	IF	Citations
79	Peltier thermoelectric cooler improves both the signal-to-noise ratio and warm-up time of high-power LED induced fluorescence detector and application to aflatoxins.. <i>Analytica Chimica Acta</i> , 2022 , 1192, 339392	6.6	2
78	Research highlight on CJAQED induced fluorescence detector. <i>Chinese Journal of Analytical Chemistry</i> , 2022 , 50, 100084	1.6	
77	A highly sensitive optical fiber based near-infrared laser induced fluorescence detector (LIF) for parathyroid gland detection. <i>Sensors and Actuators B: Chemical</i> , 2022 , 364, 131879	8.5	2
76	Portable instruments for on-site analysis of environmental samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2022 , 116653	14.6	1
75	Enhancement of Chemiluminescence Intensity of S* in Non-premixed Hydrogen Microjet Flame in the Photometric Detector for Sulfur Detection. <i>Analytical Chemistry</i> , 2021 , 93, 1969-1975	7.8	
74	Spherical Dichroic Reflector Improves Limit of Detection in Laser-Induced Fluorescence Detection. <i>Analytical Chemistry</i> , 2020 , 92, 8680-8684	7.8	4
73	Aqueous extraction followed by dispersive solid phase extraction with in situ derivatization for the determination of aflatoxins in traditional Chinese medicines. <i>Journal of Chromatography A</i> , 2020 , 1618, 460894	4.5	7
72	Cationic metal-organic framework based mixed-matrix membrane for extraction of phenoxy carboxylic acid (PCA) herbicides from water samples followed by UHPLC-MS/MS determination. <i>Journal of Hazardous Materials</i> , 2020 , 394, 122556	12.8	48
71	Cationic metal-organic frameworks as an efficient adsorbent for the removal of 2,4-dichlorophenoxyacetic acid from aqueous solutions. <i>Environmental Research</i> , 2020 , 186, 109542	7.9	48
70	Facile synthesis of zirconia-coated mesoporous silica particles by hydrothermal strategy under low potential of hydrogen conditions and functionalization with dodecylphosphonic acid for high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2020 , 1612, 460659	4.5	6
69	A miniaturized and high sensitive dual channel fluorimeter based on compact collinear optical arrangement. <i>Talanta</i> , 2020 , 211, 120698	6.2	2
68	A flame photometric detector with a silicon photodiode assembly for sulfur detection. <i>Talanta</i> , 2020 , 207, 120283	6.2	3
67	Quantification of Low Copy Number Proteins in Single Cells. <i>Analytical Chemistry</i> , 2019 , 91, 11493-11496	7.8	11
66	Dispersive Matrix Solid-Phase Extraction Method Coupled with High Performance Liquid Chromatography-Tandem Mass Spectrometry for Ultrasensitive Quantification of Endogenous Brassinosteroids in Minute Plants and Its Application for Geographical Distribution Study. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 3037-3045	5.7	10
65	One step rapid dispersive liquid-liquid micro-extraction with in-situ derivatization for determination of aflatoxins in vegetable oils based on high performance liquid chromatography fluorescence detection. <i>Food Chemistry</i> , 2019 , 287, 333-337	8.5	21
64	A compact and low-cost laser induced fluorescence detector with silicon based photodetector assembly for capillary flow systems. <i>Talanta</i> , 2018 , 182, 279-284	6.2	18
63	A novel HPLC flow cell integrated UV light emitting diode induced fluorescence detector as alternative for sensitive determination of aflatoxins. <i>Analytica Chimica Acta</i> , 2018 , 1033, 81-86	6.6	10

62	Nanocoating cellulose paper based microextraction combined with nanospray mass spectrometry for rapid and facile quantitation of ribonucleosides in human urine. <i>Talanta</i> , 2017 , 169, 209-215	6.2	10
61	One-step preparation of zirconia coated silica microspheres and modification with d-fructose 1, 6-bisphosphate as stationary phase for hydrophilic interaction chromatography. <i>Journal of Chromatography A</i> , 2017 , 1522, 30-37	4.5	5
60	A facile and high sensitive micro fluorimeter based on light emitting diode and photodiode. <i>Talanta</i> , 2017 , 175, 183-188	6.2	11
59	Spatial Profiling of Gibberellins in a Single Leaf Based on Microscale Matrix Solid-Phase Dispersion and Precolumn Derivatization Coupled with Ultraperformance Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 9537-9543	7.8	27
58	Sheathless interface to match flow rate of capillary electrophoresis with electrospray mass spectrometry using regular-sized capillary. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30 Suppl 1, 68-72	2.2	7
57	Integrated gas chromatography for ultrafast analysis of volatile organic compounds in air. <i>Talanta</i> , 2016 , 154, 548-54	6.2	6
56	Rapid solid-phase microextraction of polycyclic aromatic hydrocarbons in water samples by a coated through-pore sintered titanium disk. <i>Talanta</i> , 2016 , 154, 400-8	6.2	12
55	Ultrasensitive quantification of endogenous brassinosteroids in milligram fresh plant with a quaternary ammonium derivatization reagent by pipette-tip solid-phase extraction coupled with ultra-high-performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2016 , 1456, 105-12	4.5	26
54	Preparation of alumina nanoshell coated porous silica spheres for inorganic anions separation. <i>Journal of Chromatography A</i> , 2016 , 1433, 85-9	4.5	10
53	Further investigation of a peptide extraction method with mesoporous silica using high-performance liquid chromatography coupled with tandem mass spectrometry. <i>Journal of Separation Science</i> , 2016 , 39, 2156-63	3.4	6
52	A highly sensitive and fast responsive semiconductor metal oxide detector based on In ₂ O ₃ nanoparticle film for portable gas chromatograph. <i>Sensors and Actuators B: Chemical</i> , 2015 , 216, 511-517	8.5	16
51	Acetone-activated polyimide electrospun nanofiber membrane for thin-film microextraction and thermal desorption-gas chromatography-mass spectrometric analysis of phenols in environmental water. <i>Journal of Chromatography A</i> , 2015 , 1411, 1-8	4.5	43
50	Cu ₂ O nanorods modified by reduced graphene oxide for NH ₃ sensing at room temperature. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1174-1181	13	110
49	A novel electronic nose based on porous In ₂ O ₃ microtubes sensor array for the discrimination of VOCs. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 547-53	11.8	41
48	Functionalization of Carbonaceous Nanodots from Mn(II) -Coordinating Functional Knots. <i>Chemistry - A European Journal</i> , 2015 , 21, 14843-50	4.8	33
47	Filtration efficiency validation of glass wool during thermal desorption-gas chromatography-mass spectrometer analysis of fine atmospheric particles. <i>Journal of Chromatography A</i> , 2015 , 1380, 171-6	4.5	7
46	Quantitative evaluation of peptide-extraction methods by HPLC-triple-quad MS-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 1595-605	4.4	4
45	Polyaniline sheathed electrospun nanofiber bar for in vivo extraction of trace acidic phytohormones in plant tissue. <i>Journal of Chromatography A</i> , 2014 , 1342, 16-23	4.5	21

44	Self-assembled In ₂ O ₃ truncated octahedron string and its sensing properties for formaldehyde. <i>Sensors and Actuators B: Chemical</i> , 2014 , 201, 228-233	8.5	44
43	Quantification of endogenous brassinosteroids in sub-gram plant tissues by in-line matrix solid-phase dispersion-tandem solid phase extraction coupled with high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2014 , 1359, 44-51	4.5	25
42	Postage stamp-sized array sensor for the sensitive screening test of heavy-metal ions. <i>Analyst, The</i> , 2014 , 139, 4887-93	5	20
41	Hybrid titania-zirconia nanoparticles coated adsorbent for highly selective capture of nucleosides from human urine in physiological condition. <i>Analytical Chemistry</i> , 2014 , 86, 10122-30	7.8	40
40	Further investigation of array capillary in-tube solid-phase microextraction of trace organic pollutants in water samples. <i>Analytical Methods</i> , 2014 , 6, 750-757	3.2	8
39	An array sensor consisting of a single indicator with multiple concentrations and its application in ion discrimination. <i>Chemical Communications</i> , 2014 , 50, 15389-92	5.8	13
38	Fluorescent switch for fast and selective detection of mercury (II) ions in vitro and in living cells and a simple device for its removal. <i>Talanta</i> , 2014 , 125, 204-9	6.2	15
37	Naked-eye sensor for rapid determination of mercury ion. <i>Talanta</i> , 2013 , 116, 563-8	6.2	23
36	Dispersive liquid-liquid microextraction of trace Hg ²⁺ for visual and fluorescence test. <i>Talanta</i> , 2013 , 105, 87-92	6.2	16
35	Enhancement of sensitivity of paper-based sensor array for the identification of heavy-metal ions. <i>Analytica Chimica Acta</i> , 2013 , 780, 74-80	6.6	71
34	Quantification of endogenous brassinosteroids in plant by on-line two-dimensional microscale solid phase extraction-on column derivatization coupled with high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013 , 1297, 56-63	4.5	30
33	Fast equilibrium micro-extraction from biological fluids with biocompatible core-sheath electrospun nanofibers. <i>Analytical Chemistry</i> , 2013 , 85, 5924-32	7.8	25
32	In vivo fast equilibrium microextraction by stable and biocompatible nanofiber membrane sandwiched in microfluidic device. <i>Analytical Chemistry</i> , 2013 , 85, 11524-31	7.8	30
31	Hollow fiber-based liquid-liquid-liquid micro-extraction with osmosis: II. Application to quantification of endogenous gibberellins in rice plant. <i>Journal of Chromatography A</i> , 2012 , 1265, 17-23	4.5	13
30	A compact and highly sensitive light-emitting diode-induced fluorescence detector for capillary flow systems. <i>Talanta</i> , 2012 , 88, 463-7	6.2	17
29	Signal-to-noise ratio enhancement of the compact light-emitting diode-induced fluorescence detector. <i>Talanta</i> , 2012 , 100, 27-31	6.2	7
28	Colorimetric sensing of anions in water using ratiometric indicator-displacement assay. <i>Analytica Chimica Acta</i> , 2012 , 743, 1-8	6.6	37
27	Hollow fiber-based liquid-liquid-liquid micro-extraction with osmosis: I. Theoretical simulation and verification. <i>Journal of Chromatography A</i> , 2012 , 1248, 32-40	4.5	2

26	Array capillary in-tube solid-phase microextraction: a rapid preparation technique for water samples. <i>Journal of Chromatography A</i> , 2012 , 1244, 69-76	4.5	10
25	Eggshell membrane as a multimodal solid state platform for generating fluorescent metal nanoclusters. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2863		69
24	Colorimetric determination of copper(II) ions by filtration on sol-gel membrane doped with diphenylcarbazide. <i>Talanta</i> , 2011 , 84, 913-7	6.2	33
23	Recent developments in solid-phase microextraction for on-site sampling and sample preparation. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 1568-1574	14.6	106
22	Study of the surface ionization detector for gas chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 6812-6	4.5	3
21	Colorimetric filtrations of metal chelate precipitations for the quantitative determination of nickel(II) and lead(II). <i>Analyst, The</i> , 2011 , 136, 4197-203	5	27
20	Discrimination of trace heavy-metal ions by filtration on sol-gel membrane arrays. <i>Chemistry - A European Journal</i> , 2011 , 17, 1101-4	4.8	36
19	A surface ionization detector for capillary gas chromatography. <i>Chemical Communications</i> , 2011 , 47, 2423-5	3.5	1
18	Micro-flame ionization detector with a novel structure for portable gas chromatograph. <i>Talanta</i> , 2010 , 82, 1022-6	6.2	6
17	Sorptive extraction techniques in sample preparation for organophosphorus pesticides in complex matrices. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010 , 878, 1216-25	3.2	42
16	A lanthanide-complex-based ratiometric luminescent probe specific for peroxyxynitrite. <i>Chemistry - A European Journal</i> , 2010 , 16, 6464-72	4.8	89
15	Glucosinolate Profiles of <i>Arabidopsis thaliana</i> in Response to Cadmium Exposure. <i>Water, Air, and Soil Pollution</i> , 2009 , 200, 109-117	2.6	14
14	Study of two-dimensional liquid chromatography with high temperature NPLC and room temperature RPLC. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2009 , 4, 196-201		
13	Visible-light-sensitized highly luminescent europium nanoparticles: preparation and application for time-gated luminescence bioimaging. <i>Journal of Materials Chemistry</i> , 2009 , 19, 1258		83
12	Photomultiplier tubes in biosensors. <i>Methods in Molecular Biology</i> , 2009 , 503, 375-87	1.4	1
11	A glycerol assisted light-emitting diode-induced fluorescence detector for capillary flow systems. <i>Talanta</i> , 2008 , 75, 885-9	6.2	13
10	Poly(phthalazine ether sulfone ketone) as novel stationary phase for stir bar sorptive extraction of organochlorine compounds and organophosphorus pesticides. <i>Journal of Chromatography A</i> , 2008 , 1177, 28-35	4.5	65
9	A new poly(phthalazine ether sulfone ketone)-coated fiber for solid-phase microextraction to determine nitroaromatic explosives in aqueous samples. <i>Journal of Chromatography A</i> , 2007 , 1147, 59-65	4.5	41

8	Studies on column size scale-up and flow profile in conical shape liquid chromatographic column of 10 μ m by visualization method. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2006 , 1, 448-453		1
7	Preparation of stir bars for sorptive extraction using sol-gel technology. <i>Journal of Chromatography A</i> , 2004 , 1045, 15-22	4.5	98
6	On-line coupling of in-tube solid phase microextraction to capillary gas chromatography for trace analysis of aqueous samples. <i>Chinese Journal of Chromatography (Se Pu)</i> , 2004 , 22, 354-7	0.2	
5	Factors affecting the reproducibility and reliability of retention simulation in any form of temperature programmed capillary GC. <i>Journal of High Resolution Chromatography</i> , 1995 , 18, 593-596		3
4	Membrane affinity chromatography used for the separation of trypsin inhibitor. <i>Biomedical Chromatography</i> , 1992 , 6, 95-8	1.7	8
3	Prediction, optimization of separation, and identification of unknown compounds in capillary gas chromatography. <i>Journal of High Resolution Chromatography</i> , 1992 , 15, 18-23		8
2	Dry-packed capillary columns for micro HPLC. <i>Journal of High Resolution Chromatography</i> , 1992 , 15, 434-436		27
1	Preparation and evaluation of dry-packed capillary columns for high-performance liquid chromatography. <i>Analytical Chemistry</i> , 1988 , 60, 1659-1662	7.8	41