Yafeng Guan

List of Publications by Year
in descending order

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79 papers	2,267 citations	172207 29 h-index	233125 45 g-index
84 all docs	84 docs citations	84 times ranked	2805 citing authors

#	Article	IF	Citations
1	Cu₂O nanorods modified by reduced graphene oxide for NH₃ sensing at room temperature. Journal of Materials Chemistry A, 2015, 3, 1174-1181.	5.2	135
2	Recent developments in solid-phase microextraction for on-site sampling and sample preparation. TrAC - Trends in Analytical Chemistry, 2011, 30, 1568-1574.	5.8	122
3	Preparation of stir bars for sorptive extraction using solâ€“gel technology. Journal of Chromatography A, 2004, 1045, 15-22.	1.8	104
4	A Lanthanideâ€Complexâ€Based Ratiometric Luminescent Probe Specific for Peroxynitrite. Chemistry - A European Journal, 2010, 16, 6464-6472.	1.7	94
5	Visible-light-sensitized highly luminescent europium nanoparticles: preparation and application for time-gated luminescence bioimaging. Journal of Materials Chemistry, 2009, 19, 1258.	6.7	87
6	Cationic metal-organic frameworks as an efficient adsorbent for the removal of 2,4-dichlorophenoxyacetic acid from aqueous solutions. Environmental Research, 2020, 186, 109542.	3.7	86
7	Enhancement of sensitivity of paper-based sensor array for the identification of heavy-metal ions. Analytica Chimica Acta, 2013, 780, 74-80.	2.6	81
8	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. Journal of Hazardous Materials, 2020, 394, 122556.	6.5	81
9	Eggshell membrane as a multimodal solid state platform for generating fluorescent metal nanoclusters. Journal of Materials Chemistry, 2011, 21, 2863.	6.7	72
10	Poly(phthalazine ether sulfone ketone) as novel stationary phase for stir bar sorptive extraction of organochlorine compounds and organophosphorus pesticides. Journal of Chromatography A, 2008, 1177, 28-35.	1.8	70
11	Self-assembled In2O3 truncated octahedron string and its sensing properties for formaldehyde. Sensors and Actuators B: Chemical, 2014, 201, 228-233.	4.0	53
12	Hybrid Titaniaâ€“Zirconia Nanoparticles Coated Adsorbent for Highly Selective Capture of Nucleosides from Human Urine in Physiological Condition. Analytical Chemistry, 2014, 86, 10122-10130.	3.2	51
13	Sorptive extraction techniques in sample preparation for organophosphorus pesticides in complex matrices. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2010, 878, 1216-1225.	1.2	50
14	Functionalization of Carbonaceous Nanodots from Mn^{II}â€Coordinating Functional Knots. Chemistry - A European Journal, 2015, 21, 14843-14850.	1.7	50
15	Acetone-activated polyimide electrospun nanofiber membrane for thin-film microextraction and thermal desorption-gas chromatographyâ€“mass spectrometric analysis of phenols in environmental water. Journal of Chromatography A, 2015, 1411, 1-8.	1.8	48
16	Preparation and evaluation of dry-packed capillary columns for high-performance liquid chromatography. Analytical Chemistry, 1988, 60, 1659-1662.	3.2	47
17	A new poly(phthalazine ether sulfone ketone)-coated fiber for solid-phase microextraction to determine nitroaromatic explosives in aqueous samples. Journal of Chromatography A, 2007, 1147, 59-65.	1.8	47
18	A novel electronic nose based on porous In2O3 microtubes sensor array for the discrimination of VOCs. Biosensors and Bioelectronics, 2015, 64, 547-553.	5.3	47

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19	Colorimetric determination of copper(II) ions by filtration on solâ€“gel membrane doped with diphenylcarbazide. Talanta, 2011, 84, 913-917.	2.9	42
20	Colorimetric sensing of anions in water using ratiometric indicator-displacement assay. Analytica Chimica Acta, 2012, 743, 1-8.	2.6	41
21	Discrimination of Trace Heavyâ€Metal Ions by Filtration on Solâ€“Gel Membrane Arrays. Chemistry - A European Journal, 2011, 17, 1101-1104.	1.7	38
22	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. Analytical Chemistry, 2017, 89, 9537-9543.	3.2	36
23	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. Journal of Chromatography A, 2016, 1456, 105-112.	1.8	35
24	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. Food Chemistry, 2019, 287, 333-337.	4.2	34
25	Dry-packed capillary columns for micro HPLC. Journal of High Resolution Chromatography, 1992, 15, 434-436.	2.0	33
26	Colorimetric filtrations of metal chelate precipitations for the quantitative determination of nickel(ii) and lead(ii). Analyst, The, 2011, 136, 4197.	1.7	32
27	Quantification of endogenous brassinosteroids in sub-gram plant tissues by in-line matrix solid-phase dispersionâ€“tandem solid phase extraction coupled with high performance liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2014, 1359, 44-51.	1.8	32
28	Quantification of endogenous brassinosteroids in plant by on-line two-dimensional microscale solid phase extraction-on column derivatization coupled with high performance liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2013, 1297, 56-63.	1.8	31
29	In Vivo Fast Equilibrium Microextraction by Stable and Biocompatible Nanofiber Membrane Sandwiched in Microfluidic Device. Analytical Chemistry, 2013, 85, 11524-11531.	3.2	30
30	Naked-eye sensor for rapid determination of mercury ion. Talanta, 2013, 116, 563-568.	2.9	28
31	Fast Equilibrium Micro-Extraction from Biological Fluids with Biocompatible Coreâ€“Sheath Electrospun Nanofibers. Analytical Chemistry, 2013, 85, 5924-5932.	3.2	26
32	A compact and low-cost laser induced fluorescence detector with silicon based photodetector assembly for capillary flow systems. Talanta, 2018, 182, 279-284.	2.9	26
33	Polyaniline sheathed electrospun nanofiber bar for in vivo extraction of trace acidic phytohormones in plant tissue. Journal of Chromatography A, 2014, 1342, 16-23.	1.8	24
34	Hollow fiber-based liquidâ€“liquidâ€“liquid micro-extraction with osmosis: II. Application to quantification of endogenous gibberellins in rice plant. Journal of Chromatography A, 2012, 1265, 17-23.	1.8	23
35	Postage stamp-sized array sensor for the sensitive screening test of heavy-metal ions. Analyst, The, 2014, 139, 4887.	1.7	22
36	A compact and highly sensitive light-emitting diode-induced fluorescence detector for capillary flow systems. Talanta, 2012, 88, 463-467.	2.9	21

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37	Portable instruments for on-site analysis of environmental samples. TrAC - Trends in Analytical Chemistry, 2022, 154, 116653.	5.8	21
38	Glucosinolate Profiles of Arabidopsis thaliana in Response to Cadmium Exposure. Water, Air, and Soil Pollution, 2009, 200, 109-117.	1.1	19
39	Dispersive liquidâ€“liquid microextraction of trace Hg2+ for visual and fluorescence test. Talanta, 2013, 105, 87-92.	2.9	19
40	A highly sensitive and fast responsive semiconductor metal oxide detector based on In2O3 nanoparticle film for portable gas chromatograph. Sensors and Actuators B: Chemical, 2015, 216, 511-517.	4.0	19
41	A glycerol assisted light-emitting diode-induced fluorescence detector for capillary flow systems. Talanta, 2008, 75, 885-889.	2.9	16
42	Fluorescent switch for fast and selective detection of mercury (II) ions in vitro and in living cells and a simple device for its removal. Talanta, 2014, 125, 204-209.	2.9	16
43	Nanocoating cellulose paper based microextraction combined with nanospray mass spectrometry for rapid and facile quantitation of ribonucleosides in human urine. Talanta, 2017, 169, 209-215.	2.9	16
44	A novel HPLC flow cell integrated UV light emitting diode induced fluorescence detector as alternative for sensitive determination of aflatoxins. Analytica Chimica Acta, 2018, 1033, 81-86.	2.6	16
45	Quantification of Low Copy Number Proteins in Single Cells. Analytical Chemistry, 2019, 91, 11493-11496.	3.2	15
46	An array sensor consisting of a single indicator with multiple concentrations and its application in ion discrimination. Chemical Communications, 2014, 50, 15389-15392.	2.2	14
47	A facile and high sensitive micro fluorimeter based on light emitting diode and photodiode. Talanta, 2017, 175, 183-188.	2.9	14
48	Rapid solid-phase microextraction of polycyclic aromatic hydrocarbons in water samples by a coated through-pore sintered titanium disk. Talanta, 2016, 154, 400-408.	2.9	13
49	Array capillary in-tube solid-phase microextraction: A rapid preparation technique for water samples. Journal of Chromatography A, 2012, 1244, 69-76.	1.8	12
50	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. Journal of Agricultural and Food Chemistry, 2019, 67, 3037-3045.	2.4	11
51	Signal-to-noise ratio enhancement of the compact light-emitting diode-induced fluorescence detector. Talanta, 2012, 100, 27-31.	2.9	10
52	Further investigation of array capillary in-tube solid-phase microextraction of trace organic pollutants in water samples. Analytical Methods, 2014, 6, 750-757.	1.3	10
53	Sheathless interface to match flow rate of capillary electrophoresis with electrospray mass spectrometry using regularâ€sized capillary. Rapid Communications in Mass Spectrometry, 2016, 30, 68-72.	0.7	10
54	Preparation of alumina nanoshell coated porous silica spheres for inorganic anions separation. Journal of Chromatography A, 2016, 1433, 85-89.	1.8	10

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55	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. Journal of Chromatography A, 2020, 1612, 460659.	1.8	10
56	Membrane affinity chromatography used for the separation of trypsin inhibitor. Biomedical Chromatography, 1992, 6, 95-98.	0.8	9
57	Micro-flame ionization detector with a novel structure for portable gas chromatograph. Talanta, 2010, 82, 1022-1026.	2.9	9
58	Aqueous extraction followed by dispersive solid phase extraction with in situ derivatization for the determination of aflatoxins in traditional Chinese medicines. Journal of Chromatography A, 2020, 1618, 460894.	1.8	9
59	Prediction, optimization of separation, and identification of unknown compounds in capillary gas chromatography. Journal of High Resolution Chromatography, 1992, 15, 18-23.	2.0	8
60	Filtration efficiency validation of glass wool during thermal desorptionâ€“gas chromatographyâ€“mass spectrometer analysis of fine atmospheric particles. Journal of Chromatography A, 2015, 1380, 171-176.	1.8	8
61	Further investigation of a peptide extraction method with mesoporous silica using highâ€performance liquid chromatography coupled with tandem mass spectrometry. Journal of Separation Science, 2016, 39, 2156-2163.	1.3	8
62	A flame photometric detector with a silicon photodiode assembly for sulfur detection. Talanta, 2020, 207, 120283.	2.9	8
63	Spherical Dichroic Reflector Improves Limit of Detection in Laser-Induced Fluorescence Detection. Analytical Chemistry, 2020, 92, 8680-8684.	3.2	8
64	Study of the surface ionization detector for gas chromatography. Journal of Chromatography A, 2011, 1218, 6812-6816.	1.8	6
65	Integrated gas chromatography for ultrafast analysis of volatile organic compounds in air. Talanta, 2016, 154, 548-554.	2.9	6
66	One-step preparation of zirconia coated silica microspheres and modification with d -fructose 1, 6-bisphosphate as stationary phase for hydrophilic interaction chromatography. Journal of Chromatography A, 2017, 1522, 30-37.	1.8	5
67	A miniaturized and high sensitive dual channel fluorimeter based on compact collinear optical arrangement. Talanta, 2020, 211, 120698.	2.9	5
68	Quantitative evaluation of peptide-extraction methods by HPLCâ€“triple-quad MSâ€“MS. Analytical and Bioanalytical Chemistry, 2015, 407, 1595-1605.	1.9	4
69	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. Analytica Chimica Acta, 2022, 1192, 339392.	2.6	4
70	Factors affecting the reproducibility and reliability of retention simulation in any form of temperature programmed capillary GC. Journal of High Resolution Chromatography, 1995, 18, 593-596.	2.0	3
71	A surface ionization detector for capillary gas chromatography. Chemical Communications, 2011, 47, 2423-2425.	2.2	3
72	A highly sensitive optical fiber based near-infrared laser induced fluorescence detector (LIF) for parathyroid gland detection. Sensors and Actuators B: Chemical, 2022, 364, 131879.	4.0	3

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73	Hollow fiber-based liquidâ€“liquidâ€“liquid micro-extraction with osmosis: I. Theoretical simulation and verification. Journal of Chromatography A, 2012, 1248, 32-40.	1.8	2
74	Photomultiplier Tubes in Biosensors. Methods in Molecular Biology, 2009, 503, 375-387.	0.4	2
75	Studies on column size scale-up and flow profile in conical shape liquid chromatographic column of 10Â° by visualization method. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2006, 1, 448-453.	0.4	1
76	Study of two-dimensional liquid chromatography with high temperature NPLC and room temperature RPLC. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2009, 4, 196-201.	0.4	0
77	Enhancement of Chemiluminescence Intensity of S2* in Non-premixed Hydrogen Microjet Flame in the Photometric Detector for Sulfur Detection. Analytical Chemistry, 2021, 93, 1969-1975.	3.2	0
78	On-line coupling of in-tube solid phase microextraction to capillary gas chromatography for trace analysis of aqueous samples. Chinese Journal of Chromatography (Se Pu), 2004, 22, 354-7.	0.1	0
79	Research highlight on CJACâ€”LED induced fluorescence detector. Chinese Journal of Analytical Chemistry, 2022, 50, 100084.	0.9	0