

Yafeng Guan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/4993022/yafeng-guan-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
78	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
77	Preparation of stir bars for sorptive extraction using sol-gel technology. <i>Journal of Chromatography A</i> , 2004 , 1045, 15-22	4.5	98
76	A lanthanide-complex-based ratiometric luminescent probe specific for peroxyxynitrite. <i>Chemistry - A European Journal</i> , 2010 , 16, 6464-72	4.8	89
75	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
74	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
73	Eggshell membrane as a multimodal solid state platform for generating fluorescent metal nanoclusters. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2863		69
72	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
71	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
70	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
69	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
68	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
67	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
66	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
65	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
64	Preparation and evaluation of dry-packed capillary columns for high-performance liquid chromatography. <i>Analytical Chemistry</i> , 1988 , 60, 1659-1662	7.8	41
63	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

62	Colorimetric sensing of anions in water using ratiometric indicator-displacement assay. <i>Analytica Chimica Acta</i> , 2012 , 743, 1-8	6.6	37
61	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
60	Functionalization of Carbonaceous Nanodots from Mn(II) -Coordinating Functional Knots. <i>Chemistry - A European Journal</i> , 2015 , 21, 14843-50	4.8	33
59	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
58	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
57	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
56	Spatial Profiling of Gibberellins in a Single Leaf Based on Microscale Matrix Solid-Phase Dispersion and Pre-column Derivatization Coupled with Ultraperformance Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 9537-9543	7.8	27
55	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
54	Dry-packed capillary columns for micro HPLC. <i>Journal of High Resolution Chromatography</i> , 1992 , 15, 434-436		27
53	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> , 2011 , 1156, 105-13	4.5	26
52	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
51	Fast equilibrium micro-extraction from biological fluids with biocompatible core-sheath electrospun nanofibers. <i>Analytical Chemistry</i> , 2013 , 85, 5924-32	7.8	25
50	Naked-eye sensor for rapid determination of mercury ion. <i>Talanta</i> , 2013 , 116, 563-8	6.2	23
49	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
48	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
47	Postage stamp-sized array sensor for the sensitive screening test of heavy-metal ions. <i>Analyst, The</i> , 2014 , 139, 4887-93	5	20
46	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
45	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

44	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
43	Dispersive liquid-liquid microextraction of trace Hg ²⁺ for visual and fluorescence test. <i>Talanta</i> , 2013 , 105, 87-92	6.2	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. <i>Talanta</i> , 2014 , 125, 204-9	6.2	15
41	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
40	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
39	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
38	A glycerol assisted light-emitting diode-induced fluorescence detector for capillary flow systems. <i>Talanta</i> , 2008 , 75, 885-9	6.2	13
37	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
36	Quantification of Low Copy Number Proteins in Single Cells. <i>Analytical Chemistry</i> , 2019 , 91, 11493-11496	7.8	11
35	A facile and high sensitive micro fluorimeter based on light emitting diode and photodiode. <i>Talanta</i> , 2017 , 175, 183-188	6.2	11
34	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
33	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, 2027-2035	5.7	10
32	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
31	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
30	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
29	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
28	Membrane affinity chromatography used for the separation of trypsin inhibitor. <i>Biomedical Chromatography</i> , 1992 , 6, 95-8	1.7	8
27	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

26	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
25	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
24	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
23	Signal-to-noise ratio enhancement of the compact light-emitting diode-induced fluorescence detector. <i>Talanta</i> , 2012 , 100, 27-31	6.2	7
22	Integrated gas chromatography for ultrafast analysis of volatile organic compounds in air. <i>Talanta</i> , 2016 , 154, 548-54	6.2	6
21	Micro-flame ionization detector with a novel structure for portable gas chromatograph. <i>Talanta</i> , 2010 , 82, 1022-6	6.2	6
20	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
19	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
18	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
17	Spherical Dichroic Reflector Improves Limit of Detection in Laser-Induced Fluorescence Detection. <i>Analytical Chemistry</i> , 2020 , 92, 8680-8684	7.8	4
16	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
15	Study of the surface ionization detector for gas chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 6812-6	4.5	3
14	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
13	A flame photometric detector with a silicon photodiode assembly for sulfur detection. <i>Talanta</i> , 2020 , 207, 120283	6.2	3
12	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
11	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
10	A miniaturized and high sensitive dual channel fluorimeter based on compact collinear optical arrangement. <i>Talanta</i> , 2020 , 211, 120698	6.2	2
9	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

- 8 A surface ionization detector for capillary gas chromatography. *Chemical Communications*, **2011**, 47, 2423-5 1
- 7 Studies on column size scale-up and flow profile in conical shape liquid chromatographic column of 10 μ m by visualization method. *Frontiers of Chemistry in China: Selected Publications From Chinese Universities*, **2006**, 1, 448-453 1
- 6 Photomultiplier tubes in biosensors. *Methods in Molecular Biology*, **2009**, 503, 375-87 1.4 1
- 5 Portable instruments for on-site analysis of environmental samples. *TrAC - Trends in Analytical Chemistry*, **2022**, 116653 14.6 1
- 4 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
- 3 Enhancement of Chemiluminescence Intensity of S* in Non-premixed Hydrogen Microjet Flame in the Photometric Detector for Sulfur Detection. *Analytical Chemistry*, **2021**, 93, 1969-1975 7.8
- 2 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 0.2
- 1 Research highlight on CJA \square ED induced fluorescence detector. *Chinese Journal of Analytical Chemistry*, **2022**, 50, 100084 1.6