

Zhefeng Fan

List of Publications by Year in descending order

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37
papers

783
citations

516710

16
h-index

526287

27
g-index

37
all docs

37
docs citations

37
times ranked

1025
citing authors

#	ARTICLE	IF	CITATIONS
1	Hg(II)-imprinted thiol-functionalized mesoporous sorbent micro-column preconcentration of trace mercury and determination by inductively coupled plasma optical emission spectrometry. <i>Talanta</i> , 2006, 70, 1164-1169.	5.5	76
2	Determination of antimony(III) and total antimony by single-drop microextraction combined with electrothermal atomic absorption spectrometry. <i>Analytica Chimica Acta</i> , 2007, 585, 300-304.	5.4	64
3	Determination of methylmercury and phenylmercury in water samples by liquid-liquid microextraction coupled with capillary electrophoresis. <i>Journal of Chromatography A</i> , 2008, 1180, 187-192.	3.7	64
4	Linear Schiff-base fluorescence probe with aggregation-induced emission characteristics for Al ³⁺ detection and its application in live cell imaging. <i>Analytica Chimica Acta</i> , 2016, 945, 75-84.	5.4	53
5	Speciation Analysis of Antimony (III) and Antimony (V) by Flame Atomic Absorption Spectrometry After Separation/Preconcentration With Cloud Point Extraction. <i>Mikrochimica Acta</i> , 2005, 152, 29-33.	5.0	52
6	An AIE active pyrene based fluorescent probe for selective sensing Hg ²⁺ and imaging in live cells. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 223, 117315.	3.9	40
7	Cu ²⁺ modulated nitrogen-doped grapheme quantum dots as a turn-off/on fluorescence sensor for the selective detection of histidine in biological fluid. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 189, 195-201.	3.9	33
8	The Sensitive Turn-On Fluorescence Detection of Ascorbic Acid Based on Iron(III)-Modulated Nitrogen-Doped Graphene Quantum Dots. <i>Journal of Fluorescence</i> , 2016, 26, 1755-1762.	2.5	30
9	An active fluorescent probe based on aggregation-induced emission for intracellular bioimaging of Zn ²⁺ and tracking of interactions with single-stranded DNA. <i>Analytica Chimica Acta</i> , 2018, 1013, 79-86.	5.4	29
10	A large-Stokes-shift fluorescent probe for Zn ²⁺ based on AIE, and application in live cell imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1453-1463.	3.7	27
11	Speciation analysis of chromium in natural water samples by electrothermal atomic absorbance spectrometry after separation/preconcentration with nanometer-sized zirconium oxide immobilized on silica gel. <i>Mikrochimica Acta</i> , 2007, 158, 227-231.	5.0	24
12	Highly selective manganese-doped zinc sulfide quantum dots based label free phosphorescent sensor for phosphopeptides in presence of zirconium (IV). <i>Biosensors and Bioelectronics</i> , 2015, 66, 533-538.	10.1	24
13	Aptamer based fluorometric sulfamethazine assay based on the use of graphene oxide quantum dots. <i>Mikrochimica Acta</i> , 2018, 185, 163.	5.0	24
14	A novel AIE active NIR fluorophore based triphenylamine for sensing of Hg ²⁺ and CN ⁻ and its multiple application. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 241, 118664.	3.9	23
15	Preparation of metal-organic framework UiO-66-incorporated polymer monolith for the extraction of trace levels of fungicides in environmental water and soil samples. <i>Journal of Separation Science</i> , 2019, 42, 2679-2686.	2.5	19
16	Novel ratiometric probe based on the use of rare earth-carbon dots nanocomposite for the visual determination of doxycycline. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021, 260, 119925.	3.9	18
17	Magnetic solid-phase extraction coupled with HPLC for the determination of Allura Red in food and beverage samples. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016, 33, 1527-1534.	2.3	16
18	Poly(N-vinylcarbazole-co-divinylbenzene) monolith microextraction coupled to liquid chromatography-high resolution Orbitrap mass spectrometry to analyse benzodiazepines in beer and urine. <i>Journal of Chromatography A</i> , 2016, 1465, 55-62.	3.7	15

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19	Determination of cholic acid in body fluids by β -cyclodextrin-modified N-doped carbon dot fluorescent probes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 216, 342-348.	3.9	15
20	Water-soluble Eu(III)-doped ZnS quantum dots for the room-temperature phosphorescence detection of melamine in milk products. <i>Analytical Methods</i> , 2013, 5, 6114.	2.7	14
21	A dopamine-modulated nitrogen-doped graphene quantum dot fluorescence sensor for the detection of glutathione in biological samples. <i>New Journal of Chemistry</i> , 2016, 40, 8911-8917.	2.8	14
22	Determination of Rhodamine B in Beverages Using a Polystyrene-Coated Magnetite Nanocomposite for Magnetic Solid Phase Extraction. <i>Analytical Letters</i> , 2016, 49, 1835-1846.	1.8	12
23	Flow injection micelle-mediated methodology for determination of lead by electrothermal atomic absorption spectrometry. <i>Mikrochimica Acta</i> , 2007, 159, 235-240.	5.0	11
24	Room-Temperature Phosphorescence Turn-on Detection of DNA Based on Riboflavin-Modulated Manganese Doped Zinc Sulfide Quantum Dots. <i>Journal of Fluorescence</i> , 2016, 26, 385-393.	2.5	10
25	3-Mercaptopropyltrimethoxysilane coated capillary micro-extraction coupled to capillary electrophoresis for the determination of methylmercury, phenylmercury and mercury in biological sample. <i>Mikrochimica Acta</i> , 2010, 170, 107-112.	5.0	9
26	Determination of Thiourea by On-Off Fluorescence Using Nitrogen-Doped Graphene Quantum Dots. <i>Analytical Letters</i> , 2019, 52, 2028-2040.	1.8	9
27	Speciation analysis of chromium in natural water samples by electrothermal atomic absorbance spectrometry after separation/preconcentration with nanometer zirconium phosphate. <i>Journal of Analytical Chemistry</i> , 2012, 67, 443-447.	0.9	8
28	Selective and Sensitive Fluorescence Probe for Detection of Al ³⁺ in Food Samples Based on Aggregation-Induced Emission and Its Application for Live Cell Imaging. <i>Food Analytical Methods</i> , 2019, 12, 1736-1746.	2.6	7
29	Manganese-Doped Zinc Sulfide Quantum Dots for Determination of Bisphenol A by Room Temperature Phosphorescence. <i>Analytical Letters</i> , 2013, 46, 2454-2463.	1.8	6
30	One-step construction of a novel AIE probe based on diaminomaleonitrile and its application in double-detection of hypochlorites and formaldehyde gas. <i>New Journal of Chemistry</i> , 2021, 45, 8155-8165.	2.8	6
31	Determination of patulin in apple juice using magnetic solid-phase extraction coupled with high-performance liquid chromatography. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2017, 34, 1-9.	2.3	5
32	Poly(methacrylic acid-ethylene glycol dimethacrylate-N-vinylcarbazole) monolithic column for the enrichment of trace benzodiazepines from urine and beer samples. <i>Journal of Separation Science</i> , 2017, 40, 1369-1376.	2.5	5
33	Graphene-modified Monolithic Capillary Column for the Microextraction of Trace Benzodiazepines in Biological Samples. <i>Analytical Letters</i> , 2017, 50, 2869-2883.	1.8	5
34	Dielectric analysis of the percolation, interface polarization, and phase behavior of 1-butyl-3-methylimidazolium tetrafluoroborate/TX-100/triethylamine microemulsions. <i>New Journal of Chemistry</i> , 2021, 45, 17163-17175.	2.8	5
35	Phosphorescence detection of 2-mercaptobenzothiazole in environmental water samples by Mn-doped ZnS quantum dots. <i>New Journal of Chemistry</i> , 2017, 41, 4763-4766.	2.8	4
36	Determination of tetracyclines in bovine milk using laccase acid-loaded magnetite nanocomposite for magnetic solid-phase extraction. <i>Journal of Chromatographic Science</i> , 2017, 55, 484-490.	1.4	4

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37	Dispersive Liquid-Liquid Microextraction Combined with Micellar Electrokinetic Chromatography for the Determination of Pesticide in Apple Sample. Journal of Dispersion Science and Technology, 2014, 35, 1319-1324.	2.4	3