

Lei Guo

List of Publications by Year in descending order

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65
papers

1,342
citations

331670

21
h-index

377865

34
g-index

70
all docs

70
docs citations

70
times ranked

1671
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple, label-free AuNPs-based colorimetric ultrasensitive detection of nerve agents and highly toxic organophosphate pesticide. <i>Biosensors and Bioelectronics</i> , 2011, 28, 152-157.	10.1	138
2	In vitro selection of DNA aptamer against abrin toxin and aptamer-based abrin direct detection. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2456-2463.	10.1	104
3	Four sulfur mustard exposure cases: Overall analysis of four types of biomarkers in clinical samples provides positive implication for early diagnosis and treatment monitoring. <i>Toxicology Reports</i> , 2014, 1, 533-543.	3.3	58
4	Supramolecular combination chemotherapy: a pH-responsive co-encapsulation drug delivery system. <i>Chemical Science</i> , 2020, 11, 6275-6282.	7.4	58
5	Chiral separation of underivatized amino acids by ligand-exchange capillary electrophoresis using a copper(II)-L-lysine complex as selector. <i>Journal of Chromatography A</i> , 2002, 945, 249-255.	3.7	52
6	Highly sensitive determination of human Î±-thrombin by its 29-mer aptamer in affinity probe capillary electrophoresis. <i>Electrophoresis</i> , 2008, 29, 2570-2577.	2.4	47
7	Abundance of Four Sulfur Mustard-DNA Adducts <i>ex Vivo</i> and <i>in Vivo</i> Revealed by Simultaneous Quantification in Stable Isotope Dilution-Ultrahigh Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2014, 27, 490-500.	3.3	41
8	Stepping Library-Based Post-SELEX Strategy Approaching to the Minimized Aptamer in SPR. <i>Analytical Chemistry</i> , 2017, 89, 6559-6566.	6.5	40
9	Simultaneous determination of four sulfur mustard-DNA adducts in rabbit urine after dermal exposure by isotope-dilution liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 961, 29-35.	2.3	36
10	Facile and sensitive measurement of GSH/GSSG in cells by surface-enhanced Raman spectroscopy. <i>Talanta</i> , 2021, 224, 121852.	5.5	36
11	Highly sensitive determination of recombinant human erythropoietin-Î± in aptamer-based affinity probe capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2010, 1217, 5635-5641.	3.7	35
12	Identification and quantification of ricin in biomedical samples by magnetic immunocapture enrichment and liquid chromatography electrospray ionization tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5147-5155.	3.7	34
13	Simple and sensitive detection of cyanide using pinhole shell-isolated nanoparticle-enhanced Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 619-626.	2.5	33
14	A Conjugated Aptamer-Gold Nanoparticle Fluorescent Probe for Highly Sensitive Detection of rHuEPO-Î±. <i>Sensors</i> , 2011, 11, 10490-10501.	3.8	31
15	Nanoparticle-conjugated aptamer targeting hnRNP A2/B1 can recognize multiple tumor cells and inhibit their proliferation. <i>Biomaterials</i> , 2015, 63, 168-176.	11.4	30
16	Distribution of DNA Adducts and Corresponding Tissue Damage of Sprague-Dawley Rats with Percutaneous Exposure to Sulfur Mustard. <i>Chemical Research in Toxicology</i> , 2015, 28, 532-540.	3.3	29
17	A photoluminescent nanocrystal-based signaling protocol highly sensitive to nerve agents and highly toxic organophosphate pesticides. <i>Analyst</i> , 2009, 134, 2153.	3.5	28
18	Determination of hydrazine, monomethylhydrazine, 1,1-dimethylhydrazine, and 1,2-dimethylhydrazine by nonaqueous capillary electrophoresis with amperometric detection. <i>Electrophoresis</i> , 2005, 26, 3341-3348.	2.4	25

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19	Galactose-functionalized Magnetic Iron-oxide Nanoparticles for Enrichment and Detection of Ricin Toxin. <i>Analytical Sciences</i> , 2011, 27, 19-24.	1.6	23
20	An aptameric molecular beacon-based "Signal-on" approach for rapid determination of rHuEPO- β . <i>Talanta</i> , 2009, 80, 985-990.	5.5	22
21	Determination of nerve agent metabolites in human urine by isotope-dilution gas chromatography-tandem mass spectrometry after solid phase supported derivatization. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5213-5220.	3.7	21
22	Analysis of Different Fates of DNA Adducts in Adipocytes Post-sulfur Mustard Exposure <i>in Vitro</i> and <i>in Vivo</i> Using a Simultaneous UPLC-MS/MS Quantification Method. <i>Chemical Research in Toxicology</i> , 2015, 28, 1224-1233.	3.3	21
23	Elucidating fentanyl's differentiation from morphines in chemical and biological samples with surface-enhanced Raman spectroscopy. <i>Electrophoresis</i> , 2019, 40, 2193-2203.	2.4	21
24	Sensitive Untargeted Screening of Nerve Agents and Their Degradation Products Using Liquid Chromatography-High Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 10578-10587.	6.5	21
25	Rapid on-site detection of paraquat in biologic fluids by iodide-facilitated pinhole shell-isolated nanoparticle-enhanced Raman spectroscopy. <i>RSC Advances</i> , 2016, 6, 59919-59926.	3.6	20
26	Fast enantioseparation of arylglycine amides by capillary electrophoresis with highly sulfated- β -cyclodextrin as a chiral selector. <i>Journal of Chromatography A</i> , 2003, 998, 221-228.	3.7	19
27	Amino-substituted β -cyclodextrin copper(II) complexes for the electrophoretic enantioseparation of dansyl amino acids: Role of dual chelate-inclusion interaction and mechanism. <i>Analytica Chimica Acta</i> , 2006, 558, 80-85.	5.4	19
28	Accumulation of intact sulfur mustard in adipose tissue and toxicokinetics by chemical conversion and isotope-dilution liquid chromatography-tandem mass spectrometry. <i>Archives of Toxicology</i> , 2017, 91, 735-747.	4.2	19
29	In vitro lectin-mediated selection and characterization of rHuEPO- β -binding ssDNA aptamers. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 8016-8025.	3.0	18
30	Self-assembly of quantum dots/denatured BSA-oligonucleotides bioconjugate and its application on aptameric gold nanoparticles-based biosensor for the determination of rHuEPO- β . <i>Biosensors and Bioelectronics</i> , 2013, 43, 446-452.	10.1	18
31	The roles of carboxylesterase and CYP isozymes on the in vitro metabolism of T-2 toxin. <i>Military Medical Research</i> , 2015, 2, 13.	3.4	18
32	Recent advances of aptamer sensors. <i>Science in China Series B: Chemistry</i> , 2008, 51, 193-204.	0.8	17
33	Gas chromatographic-tandem mass spectrometric analysis of β -lyase metabolites of sulfur mustard adducts with glutathione in urine and its use in a rabbit cutaneous exposure model. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 945-946, 233-239.	2.3	16
34	Determination of three compounds in Aloe vera by capillary electrophoresis. <i>Biomedical Chromatography</i> , 2004, 18, 112-116.	1.7	14
35	A novel approach for high sensitive determination of sulfur mustard by derivatization and isotope-dilution LC-MS/MS analysis. <i>Talanta</i> , 2015, 132, 245-251.	5.5	14
36	Simultaneous determination of sulfur mustard and related oxidation products by isotope-dilution LC-MS/MS method coupled with a chemical conversion. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1028, 42-50.	2.3	14

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37	Co-NC as adsorbent and matrix providing the ability of MALDI MS to analyze volatile compounds. Chinese Chemical Letters, 2021, 32, 62-65.	9.0	14
38	On-site detection of phosgene agents by surface-enhanced Raman spectroscopy coupled with a chemical transformation approach. Journal of Raman Spectroscopy, 2016, 47, 233-239.	2.5	12
39	A simple and sensitive surface-enhanced Raman spectroscopic discriminative detection of organophosphorous nerve agents. Analytical and Bioanalytical Chemistry, 2017, 409, 5091-5099.	3.7	11
40	Capsaicin metabolites and GSH-associated detoxification and biotransformation pathways in human liver microsomes revealed by LC-HRMS/MS with data-mining tools. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2019, 1133, 121843.	2.3	10
41	Label-free differentiation and quantification of ricin, abrin from their agglutinin biotoxins by surface plasmon resonance. Talanta, 2022, 238, 122860.	5.5	10
42	Quantification of rHuEPO- β by magnetic beads-based aptameric real-time PCR assay. Analyst, The, 2010, 135, 2924.	3.5	9
43	Distinct Orchestration and Dynamic Processes on γ -H2AX and p-H3 for Two Major Types of Genotoxic Chemicals Revealed by Mass Spectrometry Analysis. Chemical Research in Toxicology, 2020, 33, 2108-2119.	3.3	9
44	Speciation of organotin compounds by capillary electrophoresis: comparison of aqueous and mixed organic-aqueous systems. Analytical and Bioanalytical Chemistry, 2004, 380, 669-676.	3.7	8
45	Gas Chromatography-Mass Spectrometric Determination of Sarin Exposures in Human Serum by Fluoride Reactivation Method. Chinese Journal of Analytical Chemistry, 2008, 36, 1269-1272.	1.7	8
46	Capillary Electrophoretic Analysis of Pharmacologically Active Xanthone Compounds from Swertia przewalskii pissjauk Extract. Journal of Liquid Chromatography and Related Technologies, 2003, 26, 1219-1229.	1.0	7
47	TBA loop mapping with β -inverted-deoxythymidine for fine-tuning of the binding affinity for α -thrombin. Organic and Biomolecular Chemistry, 2019, 17, 2403-2412.	2.8	7
48	Highly sensitive MALDI-MS measurement of active ricin: insight from more potential deoxynucleobase-hybrid oligonucleotide substrates. Analyst, The, 2021, 146, 2955-2964.	3.5	5
49	An Outbreak of Botulinum Types A, B, and E Associated With Vacuum-Packaged Salted Fish and Ham. Journal of Emergency Medicine, 2021, 60, 760-763.	0.7	5
50	Biological effects of adipocytes in sulfur mustard induced toxicity. Toxicology, 2018, 393, 140-149.	4.2	4
51	On-site detection of succinylcholine in biomedical matrix by surface-enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 2018, 49, 1461-1468.	2.5	4
52	Dynamically monitoring cellular γ -H2AX reveals the potential of carcinogenicity evaluation for genotoxic compounds. Archives of Toxicology, 2021, 95, 3559-3573.	4.2	4
53	Quantification and toxicokinetics of paraquat in mouse plasma and lung tissues by internal standard surface-enhanced Raman spectroscopy. Analytical and Bioanalytical Chemistry, 2022, 414, 2371-2383.	3.7	4
54	Double amplification upon immuno-gold nanoparticles promoted trace measurement of ricin by biolayer interferometry. Sensors and Actuators B: Chemical, 2022, 358, 131472.	7.8	4

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55	Differential comparison of genotoxic effects of aristolochic acid I and II in human cells by the mass spectroscopic quantification of ^3H -H2AX. <i>Toxicology in Vitro</i> , 2022, 81, 105349.	2.4	4
56	A liquid chromatography tandem mass spectrometric method on in vitro nerve agents poisoning characterization and reactivator efficacy evaluation by determination of specific peptide adducts in acetylcholinesterase. <i>Journal of Chromatography A</i> , 2016, 1450, 86-93.	3.7	3
57	An <i>in situ</i> assay of nerve agents enabled by a self-assembled bienzymatic electrochemical biosensor. <i>New Journal of Chemistry</i> , 2020, 44, 7460-7466.	2.8	2
58	Molecular modeling-guided optimization of acetylcholinesterase reactivators: A proof for reactivation of covalently inhibited targets. <i>European Journal of Medicinal Chemistry</i> , 2021, 215, 113286.	5.5	2
59	Enantioseparation of $\hat{\pm}$ -Quaternary Amino Amides by Capillary Electrophoresis with Human Serum Albumin. <i>Analytical Letters</i> , 2003, 36, 1451-1462.	1.8	1
60	Capillary electrophoresis as a tool for screening aptamer with high affinity and high specificity to ricin. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2007, 2, 431-435.	0.4	1
61	Applications and Prospects of Oligonucleotide Aptamers in Mass Spectrometry. <i>Chinese Journal of Analytical Chemistry</i> , 2020, 48, 1439-1447.	1.7	1
62	In Vitro Evaluation of DNA Damage Effect Markers toward Five Nitrogen Mustards Based on Liquid Chromatography-Tandem Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2022, 35, 99-110.	3.3	1
63	An Aptameric Biolayer Interferometric Assay for Detection of Recombinant Human Erythropoietin- $\hat{\pm}$. <i>Chinese Journal of Analytical Chemistry</i> , 2020, 48, 670-675.	1.7	0
64	Simultaneous Determination of T-2 Toxin and Its Metabolites in Rat Plasma Using Solid Phase Extraction and Ultra Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Chinese Journal of Analytical Chemistry</i> , 2013, 40, 1852-1858.	1.7	0
65	Neutralizing Monoclonal Antibody, mAb 10D8, Is an Effective Detoxicant against Abrin-a Both In Vitro and In Vivo. <i>Toxins</i> , 2022, 14, 164.	3.4	0