# 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 | Label-free differentiation and quantification of ricin, abrin from their agglutinin biotoxins by surface plasmon resonance. Talanta, 2022, 238, 122860. | 5.5 | 10 |
| 2 | 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 |
| 3 | 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 |
| 4 | Neutralizing Monoclonal Antibody, mAb 10D8, Is an Effective Detoxicant against Abrin-a Both In Vitro and In Vivo. Toxins, 2022, 14, 164. | 3.4 | 0 |
| 5 | Differential comparison of genotoxic effects of aristolochic acid I and II in human cells by the mass spectroscopic quantification of Î³-H2AX. Toxicology in Vitro, 2022, 81, 105349. | 2.4 | 4 |
| 6 | In Vitro Evaluation of DNA Damage Effect Markers toward Five Nitrogen Mustards Based on Liquid Chromatographyâ€“Tandem Mass Spectrometry. Chemical Research in Toxicology, 2022, 35, 99-110. | 3.3 | 1 |
| 7 | 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 |
| 8 | Facile and sensitive measurement of GSH/GSSG in cells by surface-enhanced Raman spectroscopy. Talanta, 2021, 224, 121852. | 5.5 | 36 |
| 9 | 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 |
| 10 | Molecular modeling-guided optimization of acetylcholinesterase reactivators: A proof for reactivation of covalently inhibited targets. European Journal of Medicinal Chemistry, 2021, 215, 113286. | 5.5 | 2 |
| 11 | 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 |
| 12 | Dynamically monitoring cellular Î³-H2AX reveals the potential of carcinogenicity evaluation for genotoxic compounds. Archives of Toxicology, 2021, 95, 3559-3573. | 4.2 | 4 |
| 13 | Applications and Prospects of Oligonucleotide Aptamers in Mass Spectrometry. Chinese Journal of Analytical Chemistry, 2020, 48, 1439-1447. | 1.7 | 1 |
| 14 | Distinct Orchestration and Dynamic Processes on Î³-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 |
| 15 | Supramolecular combination chemotherapy: a pH-responsive co-encapsulation drug delivery system. Chemical Science, 2020, 11, 6275-6282. | 7.4 | 58 |
| 16 | An Aptameric Biolayer Interferometric Assay for Detection of Recombinant Human Erythropoietin-Î±. Chinese Journal of Analytical Chemistry, 2020, 48, 670-675. | 1.7 | 0 |
| 17 | Sensitive Untargeted Screening of Nerve Agents and Their Degradation Products Using Liquid Chromatographyâ€“High Resolution Mass Spectrometry. Analytical Chemistry, 2020, 92, 10578-10587. | 6.5 | 21 |
| 18 | An in situ assay of nerve agents enabled by a self-assembled bienzymatic electrochemical biosensor. New Journal of Chemistry, 2020, 44, 7460-7466. | 2.8 | 2 |

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|---|---|---|---|
| 19 | 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 |
| 20 | TBA loop mapping with 3â€²-inverted-deoxythymidine for fine-tuning of the binding affinity for Î±-thrombin. Organic and Biomolecular Chemistry, 2019, 17, 2403-2412. | 2.8 | 7 |
| 21 | Elucidating fentanyls differentiation from morphines in chemical and biological samples with surfaceâ€enhanced Raman spectroscopy. Electrophoresis, 2019, 40, 2193-2203. | 2.4 | 21 |
| 22 | Biological effects of adipocytes in sulfur mustard induced toxicity. Toxicology, 2018, 393, 140-149. | 4.2 | 4 |
| 23 | Onâ€site detection of succinylcholine in biomedical matrix by surfaceâ€enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 2018, 49, 1461-1468. | 2.5 | 4 |
| 24 | Accumulation of intact sulfur mustard in adipose tissue and toxicokinetics by chemical conversion and isotope-dilution liquid chromatographyâ€“tandem mass spectrometry. Archives of Toxicology, 2017, 91, 735-747. | 4.2 | 19 |
| 25 | Stepping Library-Based Post-SELEX Strategy Approaching to the Minimized Aptamer in SPR. Analytical Chemistry, 2017, 89, 6559-6566. | 6.5 | 40 |
| 26 | 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 |
| 27 | Onâ€site detection of phosgene agents by surfaceâ€enhanced Raman spectroscopy coupled with a chemical transformation approach. Journal of Raman Spectroscopy, 2016, 47, 233-239. | 2.5 | 12 |
| 28 | Simultaneous determination of sulfur mustard and related oxidation products by isotope-dilution LCâ€“MS/MS method coupled with a chemical conversion. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1028, 42-50. | 2.3 | 14 |
| 29 | Rapid on-site detection of paraquat in biologic fluids by iodide-facilitated pinhole shell-isolated nanoparticle-enhanced Raman spectroscopy. RSC Advances, 2016, 6, 59919-59926. | 3.6 | 20 |
| 30 | 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. Journal of Chromatography A, 2016, 1450, 86-93. | 3.7 | 3 |
| 31 | The roles of carboxylesterase and CYP isozymes on the in vitro metabolism of T-2 toxin. Military Medical Research, 2015, 2, 13. | 3.4 | 18 |
| 32 | Distribution of DNA Adducts and Corresponding Tissue Damage of Sprague–Dawley Rats with Percutaneous Exposure to Sulfur Mustard. Chemical Research in Toxicology, 2015, 28, 532-540. | 3.3 | 29 |
| 33 | Analysis of Different Fates of DNA Adducts in Adipocytes Post-sulfur Mustard Exposure in Vitro and in Vivo Using a Simultaneous UPLC-MS/MS Quantification Method. Chemical Research in Toxicology, 2015, 28, 1224-1233. | 3.3 | 21 |
| 34 | Nanoparticle-conjugated aptamer targeting hnRNP A2/B1 can recognize multiple tumor cells and inhibit their proliferation. Biomaterials, 2015, 63, 168-176. | 11.4 | 30 |
| 35 | A novel approach for high sensitive determination of sulfur mustard by derivatization and isotope-dilution LCâ€“MS/MS analysis. Talanta, 2015, 132, 245-251. | 5.5 | 14 |
| 36 | Simple and sensitive detection of cyanide using pinhole shellâ€isolated nanoparticleâ€enhanced Raman spectroscopy. Journal of Raman Spectroscopy, 2014, 45, 619-626. | 2.5 | 33 |

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| 37 | Identification and quantification of ricin in biomedical samples by magnetic immunocapture enrichment and liquid chromatography electrospray ionization tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2014, 406, 5147-5155. | 3.7 | 34 |
| 38 | Four sulfur mustard exposure cases: Overall analysis of four types of biomarkers in clinical samples provides positive implication for early diagnosis and treatment monitoring. Toxicology Reports, 2014, 1, 533-543. | 3.3 | 58 |
| 39 | Abundance of Four Sulfur Mustard-DNA Adducts ex Vivo and in Vivo Revealed by Simultaneous Quantification in Stable Isotope Dilutionâ€“Ultrahigh Performance Liquid Chromatographyâ€“Tandem Mass Spectrometry. Chemical Research in Toxicology, 2014, 27, 490-500. | 3.3 | 41 |
| 40 | Determination of nerve agent metabolites in human urine by isotope-dilution gas chromatography-tandem mass spectrometry after solid phase supported derivatization. Analytical and Bioanalytical Chemistry, 2014, 406, 5213-5220. | 3.7 | 21 |
| 41 | Gas chromatographicâ€“tandem mass spectrometric analysis of Î²-lyase metabolites of sulfur mustard adducts with glutathione in urine and its use in a rabbit cutaneous exposure model. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 945-946, 233-239. | 2.3 | 16 |
| 42 | Simultaneous determination of four sulfur mustardâ€“DNA adducts in rabbit urine after dermal exposure by isotope-dilution liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 961, 29-35. | 2.3 | 36 |
| 43 | Self-assembly of quantum dots/denatured BSA-oligonucleotides bioconjugate and its application on aptameric gold nanoparticles-based biosensor for the determination of rHuEPO-Î±. Biosensors and Bioelectronics, 2013, 43, 446-452. | 10.1 | 18 |
| 44 | Simultaneous Determination of T-2 Toxin and Its Metabolites in Rat Plasma Using Solid Phase Extraction and Ultra Performance Liquid Chromatography-Tandem Mass Spectrometry. Chinese Journal of Analytical Chemistry, 2013, 40, 1852-1858. | 1.7 | 0 |
| 45 | A Conjugated Aptamer-Gold Nanoparticle Fluorescent Probe for Highly Sensitive Detection of rHuEPO-Î±. Sensors, 2011, 11, 10490-10501. | 3.8 | 31 |
| 46 | Galactose-functionalized Magnetic Iron-oxide Nanoparticles for Enrichment and Detection of Ricin Toxin. Analytical Sciences, 2011, 27, 19-24. | 1.6 | 23 |
| 47 | A simple, label-free AuNPs-based colorimetric ultrasensitive detection of nerve agents and highly toxic organophosphate pesticide. Biosensors and Bioelectronics, 2011, 28, 152-157. | 10.1 | 138 |
| 48 | Highly sensitive determination of recombinant human erythropoietin-Î± in aptamer-based affinity probe capillary electrophoresis with laser-induced fluorescence detection. Journal of Chromatography A, 2010, 1217, 5635-5641. | 3.7 | 35 |
| 49 | In vitro lectin-mediated selection and characterization of rHuEPO-Î±-binding ssDNA aptamers. Bioorganic and Medicinal Chemistry, 2010, 18, 8016-8025. | 3.0 | 18 |
| 50 | Quantification of rHuEPO-Î± by magnetic beads-based aptameric real-time PCR assay. Analyst, The, 2010, 135, 2924. | 3.5 | 9 |
| 51 | An aptameric molecular beacon-based â€œSignal-onâ€•approach for rapid determination of rHuEPO-Î±. Talanta, 2009, 80, 985-990. | 5.5 | 22 |
| 52 | A photoluminescent nanocrystal-based signaling protocol highly sensitive to nerve agents and highly toxic organophosphate pesticides. Analyst, The, 2009, 134, 2153. | 3.5 | 28 |
| 53 | Recent advances of aptamer sensors. Science in China Series B: Chemistry, 2008, 51, 193-204. | 0.8 | 17 |
| 54 | 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 |

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| 55 | Highâ€sensitive determination of human Î±â€thrombin by its 29â€mer aptamer in affinity probe capillary electrophoresis. Electrophoresis, 2008, 29, 2570-2577. | 2.4 | 47 |
| 56 | In vitro selection of DNA aptamer against abrin toxin and aptamer-based abrin direct detection. Biosensors and Bioelectronics, 2007, 22, 2456-2463. | 10.1 | 104 |
| 57 | Capillary electrophoresis as a tool for screening aptamer with high affinity and high specificity to ricin. Frontiers of Chemistry in China: Selected Publications From Chinese Universities, 2007, 2, 431-435. | 0.4 | 1 |
| 58 | Amino-substituted Î²-cyclodextrin copper(II) complexes for the electrophoretic enantioseparation of dansyl amino acids: Role of dual chelateâ€“inclusion interaction and mechanism. Analytica Chimica Acta, 2006, 558, 80-85. | 5.4 | 19 |
| 59 | Determination of hydrazine, monomethylhydrazine, 1,1-dimethylhydrazine, and 1,2-dimethylhydrazine by nonaqueous capillary electrophoresis with amperometric detection. Electrophoresis, 2005, 26, 3341-3348. | 2.4 | 25 |
| 60 | 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 |
| 61 | Determination of three compounds inAloe vera by capillary electrophoresis. Biomedical Chromatography, 2004, 18, 112-116. | 1.7 | 14 |
| 62 | Fast enantioseparation of arylglycine amides by capillary electrophoresis with highly sulfated-Î²-cyclodextrin as a chiral selector. Journal of Chromatography A, 2003, 998, 221-228. | 3.7 | 19 |
| 63 | 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 |
| 64 | Enantioseparation of Î±-Quaternary Amino Amides by Capillary Electrophoresis with Human Serum Albumin. Analytical Letters, 2003, 36, 1451-1462. | 1.8 | 1 |
| 65 | Chiral separation of underivatized amino acids by ligand-exchange capillary electrophoresis using a copper(II)â€“l-lysine complex as selector. Journal of Chromatography A, 2002, 945, 249-255. | 3.7 | 52 |