

# Sheng Tang

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,950  
citations

218677

26  
h-index

254184

43  
g-index

52  
all docs

52  
docs citations

52  
times ranked

2130  
citing authors

#	ARTICLE	IF	CITATIONS
1	Solvent-free magnetic-tip microextraction into a single drop for fluorescence sensing. <i>Sensors and Actuators B: Chemical</i> , 2022, 352, 131044.	7.8	12
2	Polyoxometalate-based materials in extraction, and electrochemical and optical detection methods: A review. <i>Analytica Chimica Acta</i> , 2022, 1209, 339509.	5.4	19
3	Ultrahigh-Performance Supercritical Fluid Chromatography and Detection of Multiple Biogenic Amines in Gentamicin Sulfate: Method Development Using Computer-Assisted Modeling. <i>Analytical Chemistry</i> , 2022, 94, 7229-7237.	6.5	11
4	A rapid $\mu$ -cup-capping $\mu$ -Au nanostar as plasmonic sensor in a single-drop microreactor for the determination of kanamycin in biosamples. <i>Sensors and Actuators B: Chemical</i> , 2022, 366, 131993.	7.8	6
5	Application of smartphone-based spectroscopy to biosample analysis: A review. <i>Biosensors and Bioelectronics</i> , 2021, 172, 112788.	10.1	97
6	Cobalt sulphide/graphene aerogel nanocomposite with enhanced anode performance for lithium energy storage. <i>Bulletin of Materials Science</i> , 2021, 44, 1.	1.7	4
7	Recent advances in the detection of multiple microRNAs. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 139, 116269.	11.4	21
8	An overview of graphene-based nanoadsorbent materials for environmental contaminants detection. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 139, 116255.	11.4	31
9	Logarithmic Data Processing Can Be Used Justifiably in the Plotting of a Calibration Curve. <i>Analytical Chemistry</i> , 2021, 93, 12156-12161.	6.5	54
10	Three-dimensional DNA/Ni-Fe layered double oxide frame networks-induced $\mu$ -cup-exposure of Au@Ag nanostars for ultrasensitive determination of kanamycin. <i>Sensors and Actuators B: Chemical</i> , 2021, 343, 130082.	7.8	12
11	Three-in-one via syringe needle-based device: sampling, microextraction and peroxidase-like catalysis for colorimetric detection of the change of biogenic amines levels with time in meat. <i>Food Chemistry</i> , 2021, 358, 129900.	8.2	5
12	Ni/Fe layered double hydroxide nanosheet/G-quadruplex as a new complex DNAzyme with highly enhanced peroxidase-mimic activity. <i>Analyst, The</i> , 2021, 146, 6470-6473.	3.5	3
13	Application of Au or Ag nanomaterials for colorimetric detection of glucose. <i>Analyst, The</i> , 2021, 146, 6726-6740.	3.5	21
14	Multiply-amplified strategy for the ultrasensitive detection of kanamycin via aptamer-triggered three-dimensional G-quadruplex/Ni-Fe layered double oxide frame networks. <i>Analytica Chimica Acta</i> , 2021, 1187, 339169.	5.4	5
15	Fabrication of hierarchical ZnIn <sub>2</sub> S <sub>4</sub> @CNO nanosheets for photocatalytic hydrogen production and CO <sub>2</sub> photoreduction. <i>Chinese Journal of Catalysis</i> , 2020, 41, 454-463.	14.0	42
16	Recent advances in the application of layered double hydroxides in analytical chemistry: A review. <i>Analytica Chimica Acta</i> , 2020, 1103, 32-48.	5.4	95
17	Gold nanoprism/Tollens's reagent complex as plasmonic sensor in headspace single-drop microextraction for colorimetric detection of formaldehyde in food samples using smartphone readout. <i>Talanta</i> , 2020, 220, 121388.	5.5	47
18	Carboxypeptidase A immobilization with zeolitic imidazolate framework for enhancement of ochratoxin A degradation ability. <i>Food and Agricultural Immunology</i> , 2020, 31, 587-599.	1.4	10

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19	Magnetic Three-Phase Single-Drop Microextraction for Rapid Amplification of the Signals of DNA and MicroRNA Analysis. <i>Analytical Chemistry</i> , 2020, 92, 12290-12296.	6.5	27
20	Application of Chiral and Achiral Supercritical Fluid Chromatography in Pesticide Analysis: A Review. <i>Journal of Chromatography A</i> , 2020, 1634, 461684.	3.7	28
21	Highly Sensitive Detection of Multiple MicroRNAs by High-Performance Liquid Chromatography Coupled with Long and Short Probe-Based Recycling Amplification. <i>Analytical Chemistry</i> , 2020, 92, 5033-5040.	6.5	46
22	Direct immersion single-drop microextraction of semi-volatile organic compounds in environmental samples: A review. <i>Journal of Hazardous Materials</i> , 2020, 393, 122403.	12.4	32
23	Synthesis of MOF@COF Hybrid Magnetic Adsorbent for Microextraction of Sulfonamides in Food and Environmental Samples. <i>Food Analytical Methods</i> , 2020, 13, 1346-1356.	2.6	41
24	Dye adsorption by self-recoverable, adjustable amphiphilic graphene aerogel. <i>Journal of Colloid and Interface Science</i> , 2019, 554, 682-691.	9.4	114
25	A research on the preparation of oil-adsorbing hydrophobic porous resins by high internal phase emulsions (HIPEs) template. <i>Science and Engineering of Composite Materials</i> , 2019, 26, 261-269.	1.4	2
26	Fabrication of porphyrin-based magnetic covalent organic framework for effective extraction and enrichment of sulfonamides. <i>Analytica Chimica Acta</i> , 2019, 1089, 66-77.	5.4	99
27	Antimony-doped tin oxide nanoparticles as peroxidase mimics for paper-based colorimetric detection of glucose using smartphone read-out. <i>Mikrochimica Acta</i> , 2019, 186, 403.	5.0	34
28	A triple-amplification strategy based on the formation of peroxidase-like two-dimensional DNA/Fe <sub>3</sub> O <sub>4</sub> networks initiated by the hybridization chain reaction for highly sensitive detection of microRNA. <i>Chemical Communications</i> , 2019, 55, 8386-8389.	4.1	26
29	Fabrication of Cobalt Sulfide/Graphene Sheets Nanocomposite Harvesting Improved Anode Performance for Lithium-Ion Battery. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 5921-5927.	0.9	3
30	Use of autoclave extraction-supercritical fluid chromatography/tandem mass spectrometry to analyze 4-(methylintrosamino)-1-(3-pyridyl)-1-butanone and N <sup>α</sup> -nitrososornicotine in tobacco. <i>Journal of Chromatography A</i> , 2019, 1595, 207-214.	3.7	4
31	Smartphone Nanocolorimetric Determination of Hydrogen Sulfide in Biosamples after Silver@Gold Core@Shell Nanoprism-Based Headspace Single-Drop Microextraction. <i>Analytical Chemistry</i> , 2019, 91, 5888-5895.	6.5	65
32	Two Dimension C <sub>3</sub> N <sub>4</sub> /MoS <sub>2</sub> Nanocomposites with Enhanced Photocatalytic Hydrogen Evolution under Visible Light Irradiation. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 23-29.	1.0	10
33	Excellent porous environmental nanocatalyst: tactically integrating size-confined highly active MnO <sub>x</sub> in nanospaces of mesopores enables the promotive catalytic degradation efficiency of organic contaminants. <i>New Journal of Chemistry</i> , 2019, 43, 19020-19034.	2.8	20
34	In-syringe extraction using compressible and self-recoverable, amphiphilic graphene aerogel as sorbent for determination of phenols. <i>Talanta</i> , 2019, 195, 165-172.	5.5	37
35	Synthesis of a poly(N-methylthionine)/reduced graphene oxide nanocomposite for the detection of hydroquinone. <i>Materials Chemistry and Physics</i> , 2019, 223, 548-556.	4.0	77
36	Needle-based sampling coupled with colorimetric reaction catalyzed by layered double hydroxide peroxidase mimic for rapid detection of the change of d -glucose levels with time in bananas. <i>Analytica Chimica Acta</i> , 2018, 1001, 32-39.	5.4	27

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37	Single-drop microextraction. <i>TrAC - Trends in Analytical Chemistry</i> , 2018, 108, 306-313.	11.4	122
38	Fluorometric determination of zinc(II) by using DNAzyme-modified magnetic microbeads. <i>Mikrochimica Acta</i> , 2018, 185, 447.	5.0	10
39	pH-dependent selective ion exchange based on (ethylenediaminetetraacetic acid-nickel)-layered double hydroxide to catalyze the polymerization of aniline for detection of Cu <sup>2+</sup> and Fe <sup>3+</sup> . <i>Talanta</i> , 2018, 187, 287-294.	5.5	13
40	Fabrication of functional biomass carbon aerogels derived from sisal fibers for application in selenium extraction. <i>Food and Bioproducts Processing</i> , 2018, 111, 93-103.	3.6	42
41	Magnetic Ni/Fe layered double hydroxide nanosheets as enhancer for DNA hairpin sensitive detection of miRNA. <i>Talanta</i> , 2018, 187, 265-271.	5.5	30
42	Selective extraction by dissolvable (nitrioloacetic acid-nickel)-layered double hydroxide coupled with reaction with potassium thiocyanate for sensitive detection of iron(III). <i>Talanta</i> , 2016, 154, 416-422.	5.5	13
43	Syringe needle-based sampling coupled with liquid-phase extraction for determination of the three-dimensional distribution of l-ascorbic acid in apples. <i>Food Chemistry</i> , 2016, 199, 533-540.	8.2	8
44	Advances in Sample Extraction. <i>Analytical Chemistry</i> , 2016, 88, 228-249.	6.5	161
45	Selective extraction and release using (EDTA-Ni)-layered double hydroxide coupled with catalytic oxidation of 3,3',5,5'-tetramethylbenzidine for sensitive detection of copper ion. <i>Analytica Chimica Acta</i> , 2015, 885, 106-113.	5.4	28
46	Magnetic core-shell iron(II,III) oxide@layered double oxide microspheres for removal of 2,5-dihydroxybenzoic acid from aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2015, 437, 316-323.	9.4	28
47	In-syringe dispersive solid-phase extraction using dissolvable layered double oxide hollow spheres as sorbent followed by high-performance liquid chromatography for determination of 11 phenols in river water. <i>Journal of Chromatography A</i> , 2014, 1373, 31-39.	3.7	53
48	Automated Dispersive Solid-Phase Extraction Using Dissolvable Fe <sub>3</sub> O <sub>4</sub> -Layered Double Hydroxide Core-shell Microspheres as Sorbent. <i>Analytical Chemistry</i> , 2014, 86, 11070-11076.	6.5	77
49	Probing Local Structure of Layered Double Hydroxides with <sup>1</sup> H Solid-State NMR Spectroscopy on Deuterated Samples. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 363-369.	4.6	16
50	Application of Dissolvable Layered Double Hydroxides As Sorbent in Dispersive Solid-Phase Extraction and Extraction by Co-Precipitation for the Determination of Aromatic Acid Anions. <i>Analytical Chemistry</i> , 2013, 85, 7426-7433.	6.5	107
51	Pt-dispersed flower-like carbon nanosheet aggregation for low-overpotential electrochemical biosensing. <i>Biosensors and Bioelectronics</i> , 2010, 26, 432-436.	10.1	35
52	Recent Advances in the Application of Covalent Organic Frameworks in Extraction: A Review. <i>Critical Reviews in Analytical Chemistry</i> , 0, , 1-34.	3.5	20