

# Qishu Qu

## List of Publications by Year in descending order

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85  
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#	ARTICLE	IF	CITATIONS
1	Graphene-based materials: Fabrication and application for adsorption in analytical chemistry. <i>Journal of Chromatography A</i> , 2014, 1362, 1-15.	3.7	133
2	Capillary Coated with Graphene and Graphene Oxide Sheets as Stationary Phase for Capillary Electrochromatography and Capillary Liquid Chromatography. <i>Analytical Chemistry</i> , 2012, 84, 8880-8890.	6.5	126
3	Fabrication of highly ordered microporous thin films by PS-b-PAA self-assembly and investigation of their tunable surface properties. <i>Journal of Materials Chemistry</i> , 2008, 18, 683.	6.7	103
4	Stacking Ionizable Analytes in a Sample Matrix with High Salt by a Transient Moving Chemical Reaction Boundary Method in Capillary Zone Electrophoresis. <i>Analytical Chemistry</i> , 2002, 74, 4167-4174.	6.5	81
5	Silica Microspheres with Fibrous Shells: Synthesis and Application in HPLC. <i>Analytical Chemistry</i> , 2015, 87, 9631-9638.	6.5	74
6	Differential pulse voltammetric determination of nimesulide in pharmaceutical formulation and human serum at glassy carbon electrode modified by cysteic acid/CNTs based on electrochemical oxidation of L-cysteine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2006, 42, 237-244.	2.8	55
7	Poly(amidosulfonic acid) modified glassy carbon electrode for determination of isoniazid in pharmaceuticals. <i>Bioelectrochemistry</i> , 2008, 73, 37-42.	4.6	53
8	Layer-by-layer assembly of polyelectrolyte and graphene oxide for open-tubular capillary electrochromatography. <i>Journal of Chromatography A</i> , 2013, 1282, 95-101.	3.7	51
9	Capillary column coated with graphene oxide as stationary phase for gas chromatography. <i>Analytica Chimica Acta</i> , 2012, 757, 83-87.	5.4	50
10	Permanent gold nanoparticle coatings on polyelectrolyte multilayer modified capillaries for open-tubular capillary electrochromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 6588-6594.	3.7	49
11	Open-tubular capillary electrochromatography using a capillary coated with octadecylamine-capped gold nanoparticles. <i>Electrophoresis</i> , 2008, 29, 901-909.	2.4	48
12	Core-shell silica particles with dendritic pore channels impregnated with zeolite imidazolate framework-8 for high performance liquid chromatography separation. <i>Journal of Chromatography A</i> , 2017, 1505, 63-68.	3.7	47
13	Open-tubular gas chromatography using capillary coated with octadecylamine-capped gold nanoparticles. <i>Analytica Chimica Acta</i> , 2008, 609, 76-81.	5.4	41
14	Efficient removal of heavy metal from aqueous solution by sulfonic acid functionalized nonporous silica microspheres. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2012, 415, 41-46.	4.7	41
15	Tunable thick porous silica coating fabricated by multilayer-by-multilayer bonding of silica nanoparticles for open-tubular capillary chromatographic separation. <i>Journal of Chromatography A</i> , 2015, 1399, 25-31.	3.7	37
16	Electrochemical behavior of lead(II) at poly(phenol red) modified glassy carbon electrode, and its trace determination by differential pulse anodic stripping voltammetry. <i>Mikrochimica Acta</i> , 2008, 160, 275-281.	5.0	33
17	A colorimetric Fe <sup>3+</sup> sensor based on an anionic poly(3,4-propylenedioxythiophene) derivative. <i>Sensors and Actuators B: Chemical</i> , 2017, 244, 891-896.	7.8	33
18	Determination of Glyphosate and Aminomethylphosphonic Acid in Water by LC Using a New Labeling Reagent, 4-Methoxybenzenesulfonyl Fluoride. <i>Chromatographia</i> , 2010, 72, 679-686.	1.3	32

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19	Highly uniform porous silica layer open-tubular capillary columns produced via in-situ biphasic sol-gel processing for open-tubular capillary electrochromatography. <i>Journal of Chromatography A</i> , 2018, 1538, 86-93.	3.7	31
20	Pesticide-derived bright chlorine-doped carbon dots for selective determination and intracellular imaging of Fe(III). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 226, 117594.	3.9	31
21	The simultaneous separation and determination of six flavonoids and troxerutin in rat urine and chicken plasma by reversed-phase high-performance liquid chromatography with ultraviolet-visible detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 856, 222-228.	2.3	29
22	Silica spheres coated with C18-modified gold nanoparticles for capillary LC and pressurized CEC separations. <i>Electrophoresis</i> , 2010, 31, 556-562.	2.4	29
23	Dendritic core-shell silica spheres with large pore size for separation of biomolecules. <i>Journal of Chromatography A</i> , 2018, 1540, 31-37.	3.7	29
24	Improving separation efficiency of capillary zone electrophoresis of tryptophan and phenylalanine with the transient moving chemical reaction boundary method. <i>Journal of Chromatography A</i> , 2002, 952, 39-46.	3.7	27
25	Surface modification with highly-homogeneous porous silica layer for enzyme immobilization in capillary enzyme microreactors. <i>Talanta</i> , 2019, 197, 539-547.	5.5	27
26	Tin disulfide nanoflakes decorated with gold nanoparticles for direct electrochemistry of glucose oxidase and glucose biosensing. <i>Mikrochimica Acta</i> , 2012, 179, 265-272.	5.0	25
27	Polymer-modified fibrous mesoporous silica nanoparticles as coating material for open-tubular capillary electrochromatography. <i>Journal of Chromatography A</i> , 2017, 1499, 196-202.	3.7	25
28	A nanocrystalline metal organic framework confined in the fibrous pores of core-shell silica particles for improved HPLC separation. <i>Mikrochimica Acta</i> , 2017, 184, 4099-4106.	5.0	25
29	Determination of chromium(VI) and lead(II) in drinking water by electrokinetic flow analysis system and graphite furnace atomic absorption spectrometry. <i>Talanta</i> , 2001, 55, 271-279.	5.5	24
30	Gold microspheres modified with octadecanethiol for capillary liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1198-1199, 95-100.	3.7	24
31	Determination of glyphosate and aminomethylphosphonic acid in soybean samples by high performance liquid chromatography using a novel fluorescent labeling reagent. <i>Analytical Methods</i> , 2013, 5, 6465.	2.7	24
32	Preparation of glassy carbon electrode modified by hydrophobic gold nanoparticles and its application for the determination of ethamsylate in the presence of cetyltrimethylammonium bromide. <i>Sensors and Actuators B: Chemical</i> , 2007, 128, 258-265.	7.8	21
33	Electrochemical Detection Coupled with High-Performance Liquid Chromatography in Pharmaceutical and Biomedical Analysis: A Mini Review. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 547-554.	1.1	20
34	Adjustment of the morphology of MCM-41 silica in basic solution. <i>Journal of Non-Crystalline Solids</i> , 2014, 405, 104-115.	3.1	18
35	Layer-by-layer assembly of zeolite imidazolate framework-8 as coating material for capillary electrochromatography. <i>Electrophoresis</i> , 2016, 37, 2175-2180.	2.4	18
36	Synthesis of core-shell silica spheres with tunable pore diameters for HPLC. <i>Materials Letters</i> , 2018, 211, 40-42.	2.6	18

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37	Starch fermentation wastewater as a precursor to prepare S,N-doped carbon dots for selective Fe(III) detection and carbon microspheres for solution decolorization. <i>Microchemical Journal</i> , 2020, 159, 105338.	4.5	18
38	Corrections to moving chemical reaction boundary equation for weak reactive electrolytes under the existence of background electrolyte KCl in large concentrations. <i>Journal of Chromatography A</i> , 2001, 907, 347-352.	3.7	16
39	Nano-channel confined biomimetic nanozyme/bioenzyme cascade reaction for long-lasting and intensive chemiluminescence. <i>Biosensors and Bioelectronics</i> , 2022, 202, 114020.	10.1	16
40	Graphene oxide-SiO <sub>2</sub> hybrid nanostructure as coating material for capillary electrochromatography. <i>Electrophoresis</i> , 2016, 37, 1367-1375.	2.4	15
41	Characterization and application of a new ultraviolet derivatization reagent for amino acids analysis in capillary electrophoresis. <i>Analytica Chimica Acta</i> , 2006, 572, 212-218.	5.4	14
42	Capillary electrophoresis-immobilized enzyme microreactors for acetylcholinesterase assay with surface modification by highly-homogeneous microporous layer. <i>Journal of Chromatography A</i> , 2020, 1609, 460454.	3.7	14
43	Electrochromatography with a 2.7 mm inner diameter monolithic column. <i>Journal of Chromatography A</i> , 2003, 983, 255-262.	3.7	13
44	Broadly absorbing bluish black-to-transmissive sky blue electrochromic polymer based on 3,4-dioxythiophene. <i>Journal of Solid State Electrochemistry</i> , 2019, 23, 19-25.	2.5	13
45	Preparation and evaluation of C18-bonded 1- $\mu$ m silica particles for pressurized capillary electrochromatography. <i>Electrophoresis</i> , 2006, 27, 3981-3987.	2.4	12
46	Facile synthesis of hierarchical MCM-41 spheres with an ultrahigh surface area and their application for removal of methylene blue from aqueous solutions. <i>Analytical Methods</i> , 2014, 6, 1397-1403.	2.7	12
47	Core-shell silica microsphere-based trypsin nanoreactor for low molecular-weight proteome analysis. <i>Analytica Chimica Acta</i> , 2017, 985, 194-201.	5.4	12
48	Brightly blue triazine-doped carbon dots for selective determination of Cu(II) in environment and imaging in cell. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 416, 113321.	3.9	12
49	Titanium dioxide-coated core-shell silica microspheres-based solid-phase extraction combined with sheathless capillary electrophoresis-mass spectrometry for analysis of glyphosate, glufosinate and their metabolites in baby foods. <i>Journal of Chromatography A</i> , 2021, 1659, 462519.	3.7	12
50	TiO <sub>2</sub> -modified fibrous core-shell mesoporous material to selectively enrich endogenous phosphopeptides with proteins exclusion prior to CE-MS analysis. <i>Talanta</i> , 2021, 235, 122737.	5.5	12
51	Control of electroosmotic flow by a cation additive to enhance the separation of amino acids by micellar electrokinetic chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 853, 31-37.	2.3	11
52	Solid-Liquid Phase Equilibrium and Phase Diagram for the Ternary o-Nitrobenzoic Acid + m-Nitrobenzoic Acid + Ethanol System. <i>Journal of Chemical &amp; Engineering Data</i> , 2008, 53, 1367-1370.	1.9	11
53	Experimental investigation on moving chemical reaction boundary theory for weak-acid-strong-base system with background electrolyte KCl in large concentration. <i>Journal of Chromatography A</i> , 2001, 922, 283-292.	3.7	10
54	Reduced-bore monolithic silica column modified with C8-TEOS for reversed-phase electrochromatography. <i>Journal of Separation Science</i> , 2004, 27, 725-728.	2.5	10

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55	Etched bare fused-silica capillaries for online preconcentration of amino acids in CE. <i>Electrophoresis</i> , 2006, 27, 4500-4507.	2.4	10
56	Preparation of particle-fixed silica monoliths used in capillary electrochromatography. <i>Journal of Separation Science</i> , 2006, 29, 2098-2102.	2.5	10
57	Amorphization of Purely Organic Phosphors into Carbon Dots to Activate Matrix-Free Room-Temperature Phosphorescence for Multiple Applications. <i>ACS Applied Electronic Materials</i> , 2021, 3, 2661-2670.	4.3	10
58	Rods-on-sphere silica particles for high performance liquid chromatography. <i>Journal of Chromatography A</i> , 2017, 1497, 87-91.	3.7	9
59	The formation mechanism of the micelle-templated mesoporous silica particles: Linear increase or stepwise growth. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 577, 62-66.	4.7	9
60	Solid-liquid phase equilibrium and phase diagram for ternary o-nitrobenzoic acid-p-nitrobenzoic acid-acetone system at 283.15K and 313.15K. <i>Fluid Phase Equilibria</i> , 2008, 266, 101-104.	2.5	8
61	Monolithic silica xerogel capillary column for separations in capillary LC and pressurized CEC. <i>Electrophoresis</i> , 2009, 30, 1071-1076.	2.4	8
62	Pending templates imprinted polymers—hypothesis, synthesis, adsorption, and chromatographic properties. <i>Electrophoresis</i> , 2013, 34, 1383-1389.	2.4	8
63	Simultaneous growth of graphene/mesoporous silica composites using liquid precursor for HPLC separations. <i>Applied Surface Science</i> , 2021, 537, 148101.	6.1	8
64	Facile synthesis and size control of highly monodispersed hybrid silica spheres through a novel nuclei controlling method. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 976-980.	3.1	7
65	Formation Mechanism of Silica Particles with Dendritic Structure. <i>ChemistrySelect</i> , 2019, 4, 6656-6661.	1.5	7
66	Voltammetric Determination of Sinomenine in Biological Fluid Using a Glassy Carbon Electrode Modified by a Composite Film of Polycysteic Acid and Carbon Nanotubes. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2007, 10, 595-603.	1.1	6
67	Micellar-Enhanced Spectrofluorimetric Determination of Trazodone Hydrochloride in Human Urine and Serum. <i>Analytical Letters</i> , 2007, 40, 151-162.	1.8	6
68	Novel reagents for quantitative analysis of valiolamine in biological samples by high-performance liquid chromatography with pre-column UV derivatization. <i>Talanta</i> , 2010, 81, 1613-1618.	5.5	6
69	Thermally responsive polymer as a sieving matrix of proteins in capillary gel electrophoresis. <i>Analytical Methods</i> , 2011, 3, 2717.	2.7	6
70	Synthesis and optoelectrochemical properties of a magenta-to-transmissive electrochromic polymer based on 3, 4-dioxythiophene. <i>Solar Energy Materials and Solar Cells</i> , 2018, 179, 270-275.	6.2	6
71	A regiosymmetric blue-to-transmissive electrochromic polymer based on 3, 4-ethylenedioxythiophene with bromomethyl pendant groups. <i>Journal of Electroanalytical Chemistry</i> , 2018, 820, 60-66.	3.8	6
72	Packing capillary electrochromatography columns using vacuum - A preliminary study. <i>Journal of Separation Science</i> , 2004, 27, 1229-1232.	2.5	5

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73	Pressurized capillary electrochromatographic assay of trimethoprim impurities using 1 $\frac{1}{4}$ m particle-based columns. <i>Journal of Chromatography A</i> , 2007, 1169, 228-234.	3.7	4
74	Equilibrium Phase Diagram of the Ternary 2-Nitrobenzoic acid-3-Nitrobenzoic Acid-Acetone System at 283.15ÅK and 313.15ÅK. <i>Journal of Phase Equilibria and Diffusion</i> , 2008, 29, 333-336.	1.4	4
75	Porous silica microspheres obtained by grinding monolithic columns as stationary phase for high performance liquid chromatography. <i>Analytical Methods</i> , 2012, 4, 3200.	2.7	3
76	Determination of alkylamine carbonate nonionic anion oil displacement agent in oil-field water using HPLC after derivatization with 4-methoxybenzenesulfonyl fluoride. <i>Analytical Methods</i> , 2013, 5, 729-734.	2.7	3
77	DETERMINATION OF PROLINE, HYDROXYPROLINE, AND N-ETHYLGLYCINE IN URINE BY USING A NEW HPLC LABELING REAGENT, AND ITS APPLICATION IN DETECTION OF TUMOR MARKERS. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2014, 37, 1731-1749.	1.0	3
78	Pre-concentration of non-uniform field electrophoresis for sample introduction of capillary electrophoresis. <i>Journal of Chromatography A</i> , 2001, 932, 13-20.	3.7	2
79	A Syringe-Filter-based Portable Microreactor for Size-selective Proteolysis of Low Molecular-weight Proteins. <i>Chinese Journal of Analytical Chemistry</i> , 2020, 48, e20139-e20148.	1.7	2
80	Controlled manipulation of TiO <sub>2</sub> nanoclusters inside mesochannels of core-shell silica particles as stationary phase for HPLC separation. <i>Mikrochimica Acta</i> , 2020, 187, 328.	5.0	2
81	Monitoring Organic Reactions by Micellar Electrokinetic Chromatography. <i>ISRN Chromatography</i> , 2012, 2012, 1-5.	0.6	1
82	Titania coated silica core-shell spheres with dual grain size as efficient photocatalysts. <i>Microporous and Mesoporous Materials</i> , 2022, 338, 111966.	4.4	1
83	Sample-Imprinted Polymer Potentially for Protein Depletion and Enrichment. <i>Analytical Chemistry Letters</i> , 2013, 3, 40-45.	1.0	0
84	Performance evaluation of 1.2 $\frac{1}{4}$ m fibrous core-shell packing material for pressurized capillary electrochromatography. <i>Chinese Journal of Chromatography (Se Pu)</i> , 2016, 34, 461.	0.8	0
85	Evaluation and application of a new core-shell chromatographic stationary phase for high performance liquid chromatography. <i>Chinese Journal of Chromatography (Se Pu)</i> , 2016, 34, 1250.	0.8	0