

# Qian Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

2,350  
citations

279798

23  
h-index

223800

46  
g-index

59  
all docs

59  
docs citations

59  
times ranked

3247  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                                            | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Loss of Cardiac Ferritin H Facilitates Cardiomyopathy via Slc7a11-Mediated Ferroptosis. <i>Circulation Research</i> , 2020, 127, 486-501.                                                                                                                                          | 4.5  | 377       |
| 2  | Hepatic transferrin plays a role in systemic iron homeostasis and liver ferroptosis. <i>Blood</i> , 2020, 136, 726-739.                                                                                                                                                            | 1.4  | 297       |
| 3  | Institutional Clinical Trial Accrual Volume and Survival of Patients With Head and Neck Cancer. <i>Journal of Clinical Oncology</i> , 2015, 33, 156-164.                                                                                                                           | 1.6  | 216       |
| 4  | Wound- and mechanostimulated electrical signals control hormone responses. <i>New Phytologist</i> , 2020, 227, 1037-1050.                                                                                                                                                          | 7.3  | 123       |
| 5  | Iron-dependent histone 3 lysine 9 demethylation controls B cell proliferation and humoral immune responses. <i>Nature Communications</i> , 2019, 10, 2935.                                                                                                                         | 12.8 | 107       |
| 6  | Ubiquitin Ligases RGLG1 and RGLG5 Regulate Abscisic Acid Signaling by Controlling the Turnover of Phosphatase PP2CA. <i>Plant Cell</i> , 2016, 28, 2178-2196.                                                                                                                      | 6.6  | 100       |
| 7  | On-Tissue Derivatization via Electrospray Deposition for Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging of Endogenous Fatty Acids in Rat Brain Tissues. <i>Analytical Chemistry</i> , 2016, 88, 5988-5995.                                                  | 6.5  | 93        |
| 8  | Dopamine-modified TiO <sub>2</sub> monolith-assisted LDI MS imaging for simultaneous localization of small metabolites and lipids in mouse brain tissue with enhanced detection selectivity and sensitivity. <i>Chemical Science</i> , 2017, 8, 3926-3938.                         | 7.4  | 72        |
| 9  | Relationships between root diameter, root length and root branching along lateral roots in adult, field-grown maize. <i>Annals of Botany</i> , 2016, 117, 379-390.                                                                                                                 | 2.9  | 66        |
| 10 | ABA inhibits myristoylation and induces shuttling of the RGLG1 E3 ligase to promote nuclear degradation of PP2CA. <i>Plant Journal</i> , 2019, 98, 813-825.                                                                                                                        | 5.7  | 59        |
| 11 | The MATH-BTB BPM3 and BPM5 subunits of Cullin3-RING E3 ubiquitin ligases target PP2CA and other clade A PP2Cs for degradation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15725-15734.                                    | 7.1  | 56        |
| 12 | Hybrid Titania-Zirconia Nanoparticles Coated Adsorbent for Highly Selective Capture of Nucleosides from Human Urine in Physiological Condition. <i>Analytical Chemistry</i> , 2014, 86, 10122-10130.                                                                               | 6.5  | 51        |
| 13 | Comprehensive metabolic profiles of seminal plasma with different forms of male infertility and their correlation with sperm parameters. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 177, 112888.                                                             | 2.8  | 39        |
| 14 | Two Novel RING-Type Ubiquitin Ligases, RGLG3 and RGLG4, Are Essential for Jasmonate-Mediated Responses in Arabidopsis. <i>Plant Physiology</i> , 2012, 160, 808-822.                                                                                                               | 4.8  | 37        |
| 15 | Quantification of endogenous brassinosteroids in plant by on-line two-dimensional microscale solid phase extraction-on column derivatization coupled with high performance liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2013, 1297, 56-63. | 3.7  | 31        |
| 16 | HFE inhibits type I IFNs signaling by targeting the SQSTM1-mediated MAVS autophagic degradation. <i>Autophagy</i> , 2021, 17, 1962-1977.                                                                                                                                           | 9.1  | 31        |
| 17 | In Vivo Fast Equilibrium Microextraction by Stable and Biocompatible Nanofiber Membrane Sandwiched in Microfluidic Device. <i>Analytical Chemistry</i> , 2013, 85, 11524-11531.                                                                                                    | 6.5  | 30        |
| 18 | Adolescent smoking risk increases with wider income gaps between rich and poor. <i>Health and Place</i> , 2011, 17, 222-229.                                                                                                                                                       | 3.3  | 29        |

| #  | ARTICLE                                                                                                                                                                                                                                 | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | RhizoChamber-Monitor: a robotic platform and software enabling characterization of root growth. <i>Plant Methods</i> , 2018, 14, 44.                                                                                                    | 4.3 | 29        |
| 20 | Hijacking of the jasmonate pathway by the mycotoxin fumonisin B1 (FB1) to initiate programmed cell death in <i>Arabidopsis</i> is modulated by RGLG3 and RGLG4. <i>Journal of Experimental Botany</i> , 2015, 66, 2709-2721.            | 4.8 | 27        |
| 21 | Fast Equilibrium Micro-Extraction from Biological Fluids with Biocompatible Core-Sheath Electrospun Nanofibers. <i>Analytical Chemistry</i> , 2013, 85, 5924-5932.                                                                      | 6.5 | 26        |
| 22 | Absolute quantitative imaging of sphingolipids in brain tissue by exhaustive liquid microjunction surface sampling-liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1609, 460436.                    | 3.7 | 26        |
| 23 | Polyaniline sheathed electrospun nanofiber bar for in vivo extraction of trace acidic phytohormones in plant tissue. <i>Journal of Chromatography A</i> , 2014, 1342, 16-23.                                                            | 3.7 | 24        |
| 24 | UPLC-ESI-IT-TOF-MS metabolomic study of the therapeutic effect of Xuefu Zhuyu decoction on rats with traumatic brain injury. <i>Journal of Ethnopharmacology</i> , 2019, 245, 112149.                                                   | 4.1 | 24        |
| 25 | Hollow fiber-based liquid-liquid micro-extraction with osmosis: II. Application to quantification of endogenous gibberellins in rice plant. <i>Journal of Chromatography A</i> , 2012, 1265, 17-23.                                     | 3.7 | 23        |
| 26 | Development and Validation of the Individual Burden of Illness Index for Major Depressive Disorder (IBI-D). <i>Administration and Policy in Mental Health and Mental Health Services Research</i> , 2013, 40, 76-86.                    | 2.1 | 23        |
| 27 | Three-dimensional architecture of axile roots of field-grown maize. <i>Plant and Soil</i> , 2015, 387, 363-377.                                                                                                                         | 3.7 | 23        |
| 28 | The inhibitory effect of the catechin structure on advanced glycation end product formation in alcoholic media. <i>Food and Function</i> , 2020, 11, 5396-5408.                                                                         | 4.6 | 23        |
| 29 | Effects of different extraction methods on contents, profiles, and antioxidant abilities of free and bound phenolics of <i>Sargassum polycystum</i> from the South China Sea. <i>Journal of Food Science</i> , 2022, 87, 968-981.       | 3.1 | 23        |
| 30 | Optimizing soil-coring strategies to quantify root-length-density distribution in field-grown maize: virtual coring trials using 3-D root architecture models. <i>Annals of Botany</i> , 2018, 121, 809-819.                            | 2.9 | 21        |
| 31 | Liquid state fermentation vinegar enriched with catechin as an antiglycative food product. <i>Food and Function</i> , 2019, 10, 4877-4887.                                                                                              | 4.6 | 21        |
| 32 | Mepiquat chloride promotes cotton lateral root formation by modulating plant hormone homeostasis. <i>BMC Plant Biology</i> , 2019, 19, 573.                                                                                             | 3.6 | 21        |
| 33 | Catechin Inhibits the Release of Advanced Glycation End Products during Glycated Bovine Serum Albumin Digestion and Corresponding Mechanisms <i>In Vitro</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 8807-8818. | 5.2 | 20        |
| 34 | Manganese homeostasis at the host-pathogen interface and in the host immune system. <i>Seminars in Cell and Developmental Biology</i> , 2021, 115, 45-53.                                                                               | 5.0 | 19        |
| 35 | Effect of lotus seedpod oligomeric procyanidins on AGEs formation in simulated gastrointestinal tract and cytotoxicity in Caco-2 cells. <i>Food and Function</i> , 2021, 12, 3527-3538.                                                 | 4.6 | 18        |
| 36 | Quantitative Imprint Mass Spectrometry Imaging of Endogenous Ceramides in Rat Brain Tissue with Kinetic Calibration. <i>Analytical Chemistry</i> , 2020, 92, 6613-6621.                                                                 | 6.5 | 17        |

| #  | ARTICLE                                                                                                                                                                                                                                                                                               | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Enhancing coverage in LC-MS-based untargeted metabolomics by a new sample preparation procedure using mixed-mode solid-phase extraction and two derivatizations. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6189-6202.                                                                | 3.7 | 15        |
| 38 | cSSMD: assessing collective activity for addressing off-target effects in genome-scale RNA interference screens. <i>Bioinformatics</i> , 2011, 27, 2775-2781.                                                                                                                                         | 4.1 | 14        |
| 39 | Thidiazuron Promotes Leaf Abscission by Regulating the Crosstalk Complexities between Ethylene, Auxin, and Cytokinin in Cotton. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2696.                                                                                                  | 4.1 | 13        |
| 40 | A Tissue Biomarker-Based Model That Identifies Patients with a High Risk of Distant Metastasis and Differential Survival by Length of Androgen Deprivation Therapy in RTOG Protocol 92-02. <i>Clinical Cancer Research</i> , 2014, 20, 6379-6388.                                                     | 7.0 | 12        |
| 41 | A unique combination of micronutrients rejuvenates cognitive performance in aged mice. <i>Behavioural Brain Research</i> , 2017, 320, 97-112.                                                                                                                                                         | 2.2 | 12        |
| 42 | Quantitative mass spectrometry imaging of amino acids with isomer differentiation in brain tissue via exhaustive liquid microjunction surface sampling-tandem mass tags labeling-ultra performance liquid chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2020, 1621, 461086.  | 3.7 | 10        |
| 43 | Separation of Glycolipids/Sphingolipids from Glycerophospholipids on TiO <sub>2</sub> Coating in Aprotic Solvent for Rapid Comprehensive Lipidomic Analysis with Liquid Microjunction Surface Sampling-Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 11250-11259.                        | 6.5 | 9         |
| 44 | Optimizing the texture and retrogradation properties of Niangao (Rice Cake) made with naturally fermented rice flour. <i>Food Science and Technology</i> , 2019, 39, 810-817.                                                                                                                         | 1.7 | 8         |
| 45 | Quantitative Mass Spectrometry Imaging of Metabolomes and Lipidomes for Tracking Changes and Therapeutic Response in Traumatic Brain Injury Surrounding Injured Area at Chronic Phase. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1363-1375.                                                        | 3.5 | 7         |
| 46 | Development of a sensitive and rapid UHPLC-MS/MS method for simultaneous quantification of nine compounds in rat plasma and application in a comparative pharmacokinetic study after oral administration of Xuefu Zhuyu Decoction and nimodipine. <i>Biomedical Chromatography</i> , 2020, 34, e4872. | 1.7 | 5         |
| 47 | Rapid in situ quantitation of photoinitiators in packaging by two-points kinetic calibration of liquid microjunction surface sampling-mass spectrometry. <i>Talanta</i> , 2020, 216, 121017.                                                                                                          | 5.5 | 5         |
| 48 | Per-pixel absolute quantitation for mass spectrometry imaging of endogenous lipidomes by model prediction of mass transfer kinetics in single-probe-based ambient liquid extraction. <i>Talanta</i> , 2021, 234, 122654.                                                                              | 5.5 | 5         |
| 49 | A Statistical Method for Identifying Trait-Associated Copy Number Variants. <i>Human Heredity</i> , 2015, 79, 147-156.                                                                                                                                                                                | 0.8 | 3         |
| 50 | RGLG3 and RGLG4, novel ubiquitin ligases modulating jasmonate signaling. <i>Plant Signaling and Behavior</i> , 2012, 7, 1709-1711.                                                                                                                                                                    | 2.4 | 2         |
| 51 | Hollow fiber-based liquid-liquid micro-extraction with osmosis: I. Theoretical simulation and verification. <i>Journal of Chromatography A</i> , 2012, 1248, 32-40.                                                                                                                                   | 3.7 | 2         |
| 52 | Nonparametric Tests for Differential Histone Enrichment with CHIP-Seq Data. <i>Cancer Informatics</i> , 2015, 14s1, CIN.S13972.                                                                                                                                                                       | 1.9 | 2         |
| 53 | An aboveground biomass partitioning coefficient model for rapeseed ( <i>Brassica napus</i> L.). <i>Field Crops Research</i> , 2020, 259, 107966.                                                                                                                                                      | 5.1 | 2         |
| 54 | Photocatalytic reduction-based liquid microjunction surface sampling-mass spectrometry for rapid in situ analysis of aromatic amines originating from azo dyes in packaging papers. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6649-6660.                                             | 3.7 | 1         |

| #  | ARTICLE                                                                                                                                       | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Quantitative Mass Spectrometry Imaging with Liquid Microjunction Surface Sampling. <i>Methods in Molecular Biology</i> , 2022, 2437, 181-194. | 0.9 | 1         |
| 56 | Space-log: a novel approach to inferring gene-gene net-works using SPACE model with log penalty. <i>F1000Research</i> , 0, 9, 1159.           | 1.6 | 0         |