

# Jianing Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

51  
papers

2,148  
citations

304701

22  
h-index

233409

45  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3605  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of thick fibers and large pores of electrospun poly( $\mu$ -caprolactone) vascular grafts on macrophage polarization and arterial regeneration. <i>Biomaterials</i> , 2014, 35, 5700-5710.	11.4	361
2	Carbon Nanodots As a Matrix for the Analysis of Low-Molecular-Weight Molecules in Both Positive- and Negative-Ion Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry and Quantification of Glucose and Uric Acid in Real Samples. <i>Analytical Chemistry</i> , 2013, 85, 6646-6652.	6.5	151
3	Development of a Photo-Crosslinking, Biodegradable GelMA/PEGDA Hydrogel for Guided Bone Regeneration Materials. <i>Materials</i> , 2018, 11, 1345.	2.9	121
4	MALDI-TOF MS Imaging of Metabolites with a <i>N</i> -(1-Naphthyl) Ethylenediamine Dihydrochloride Matrix and Its Application to Colorectal Cancer Liver Metastasis. <i>Analytical Chemistry</i> , 2015, 87, 422-430.	6.5	120
5	Cardiolipin Synthesis in Brown and Beige Fat Mitochondria Is Essential for Systemic Energy Homeostasis. <i>Cell Metabolism</i> , 2018, 28, 159-174.e11.	16.2	114
6	1,5-Diaminonaphthalene Hydrochloride Assisted Laser Desorption/Ionization Mass Spectrometry Imaging of Small Molecules in Tissues Following Focal Cerebral Ischemia. <i>Analytical Chemistry</i> , 2014, 86, 10114-10121.	6.5	105
7	Tutorial on lipidomics. <i>Analytica Chimica Acta</i> , 2019, 1061, 28-41.	5.4	97
8	Enzyme-functionalized vascular grafts catalyze in-situ release of nitric oxide from exogenous NO prodrug. <i>Journal of Controlled Release</i> , 2015, 210, 179-188.	9.9	79
9	Effect of high fat diet on phenotype, brain transcriptome and lipidome in Alzheimer's model mice. <i>Scientific Reports</i> , 2017, 7, 4307.	3.3	69
10	Effect of Resveratrol on Modulation of Endothelial Cells and Macrophages for Rapid Vascular Regeneration from Electrospun Poly( $\mu$ -caprolactone) Scaffolds. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19541-19551.	8.0	67
11	2,3,4,5-Tetrakis(3,4-dihydroxyphenyl)thiophene: A New Matrix for the Selective Analysis of Low Molecular Weight Amines and Direct Determination of Creatinine in Urine by MALDI-TOF MS. <i>Analytical Chemistry</i> , 2012, 84, 10291-10297.	6.5	60
12	Adult-onset CNS myelin sulfatide deficiency is sufficient to cause Alzheimer's disease-like neuroinflammation and cognitive impairment. <i>Molecular Neurodegeneration</i> , 2021, 16, 64.	10.8	52
13	Reduced transthyretin expression in sera of lung cancer. <i>Cancer Science</i> , 2007, 98, 1617-1624.	3.9	46
14	Hexagonal boron nitride nanosheets as a multifunctional background-free matrix to detect small molecules and complicated samples by MALDI mass spectrometry. <i>Chemical Communications</i> , 2017, 53, 8114-8117.	4.1	45
15	APOE2 orchestrated differences in transcriptomic and lipidomic profiles of postmortem AD brain. <i>Alzheimer's Research and Therapy</i> , 2019, 11, 113.	6.2	42
16	Enhanced coverage of lipid analysis and imaging by matrix-assisted laser desorption/ionization mass spectrometry via a strategy with an optimized mixture of matrices. <i>Analytica Chimica Acta</i> , 2018, 1000, 155-162.	5.4	39
17	Characterization of apolipoprotein A-I as a potential biomarker for cholangiocarcinoma. <i>European Journal of Cancer Care</i> , 2009, 18, 625-635.	1.5	38
18	Oligomeric amyloid-beta induces MAPK-mediated activation of brain cytosolic and calcium-independent phospholipase A2 in a spatial-specific manner. <i>Acta Neuropathologica Communications</i> , 2017, 5, 56.	5.2	38

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19	Serum levels of variants of transthyretin downâ€regulation in cholangiocarcinoma. Journal of Cellular Biochemistry, 2008, 104, 745-755.	2.6	35
20	The regeneration of macroâ€porous electrospun poly(Écaprolactone) vascular graft during longâ€term <i>in situ</i> implantation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2018, 106, 1618-1627.	3.4	32
21	Defective Phosphatidylglycerol Remodeling Causes Hepatopathy, Linking Mitochondrial Dysfunction to Hepatosteatosis. Cellular and Molecular Gastroenterology and Hepatology, 2019, 7, 763-781.	4.5	32
22	Loss of Transcriptional Repression by BCL6 Confers Insulin Sensitivity in the Setting of Obesity. Cell Reports, 2018, 25, 3283-3298.e6.	6.4	28
23	Analytical challenges of shotgun lipidomics at different resolution of measurements. TrAC - Trends in Analytical Chemistry, 2019, 121, 115697.	11.4	27
24	Early disruption of nerve mitochondrial and myelin lipid homeostasis in obesity-induced diabetes. JCI Insight, 2020, 5, .	5.0	27
25	1-Naphthylhydrazine hydrochloride: A new matrix for the quantification of glucose and homogentisic acid in real samples by MALDI-TOF MS. Clinica Chimica Acta, 2013, 420, 94-98.	1.1	26
26	Rapidly Probing Antibacterial Activity of Graphene Oxide by Mass Spectrometry-based Metabolite Fingerprinting. Scientific Reports, 2016, 6, 28045.	3.3	23
27	Cell Proliferation Stimulation Ability and Osteogenic Activity of Low Molecular Weight Peptides Derived from Bovine Gelatin Hydrolysates. Journal of Agricultural and Food Chemistry, 2020, 68, 7630-7640.	5.2	23
28	Mass spectrometry imaging revealed alterations of lipid metabolites in multicellular tumor spheroids in response to hydroxychloroquine. Analytica Chimica Acta, 2021, 1184, 339011.	5.4	21
29	ECM-mimetic heparin glycosamioglycan-functionalized surface favors constructing functional vascular smooth muscle tissue in vitro. Colloids and Surfaces B: Biointerfaces, 2016, 146, 280-288.	5.0	19
30	Interface solution isoelectric focusing with in situ <sc>MALDI</sc>â€TOF</sc> mass spectrometry. Electrophoresis, 2014, 35, 2528-2533.	2.4	18
31	Enhancing surface-assisted laser desorption ionization mass spectrometry performance by integrating plasmonic hot-electron transfer effect through surface modification. Chemical Communications, 2019, 55, 5769-5772.	4.1	18
32	Induced Dual-Nanospray: A Novel Internal Calibration Method for Convenient and Accurate Mass Measurement. Journal of the American Society for Mass Spectrometry, 2013, 24, 1446-1449.	2.8	15
33	Organic salt NEDC (N-naphthylethylenediamine dihydrochloride) assisted laser desorption ionization mass spectrometry for identification of metal ions in real samples. Analyst, The, 2014, 139, 3469-3475.	3.5	15
34	In Situ Bioconjugation and Ambient Surface Modification Using Reactive Charged Droplets. Analytical Chemistry, 2015, 87, 3144-3148.	6.5	14
35	Spatially revealed perfluorooctane sulfonate-induced nephrotoxicity in mouse kidney using atmospheric pressure MALDI mass spectrometry imaging. Science of the Total Environment, 2022, 838, 156380.	8.0	13
36	A combined biomarker pattern improves the discrimination of lung cancer. Biomarkers, 2011, 16, 20-30.	1.9	12

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37	The development of charge detection-quadrupole ion trap mass spectrometry driven by rectangular and triangular waves. <i>Analyst, The</i> , 2012, 137, 1199.	3.5	11
38	Ambient Aerodynamic Desorption/Ionization Method for Microparticle Mass Measurement. <i>Analytical Chemistry</i> , 2013, 85, 4370-4375.	6.5	11
39	Multicellular tumor spheroids bridge the gap between two-dimensional cancer cells and solid tumors: The role of lipid metabolism and distribution. <i>Chinese Chemical Letters</i> , 2023, 34, 107349.	9.0	11
40	The bridge between thin layer chromatography-mass spectrometry and high-performance liquid chromatography-mass spectrometry: The realization of liquid thin layer chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2016, 1460, 181-189.	3.7	9
41	Cell Growth Stimulation, Cell Cycle Alternation, and Anti-Apoptosis Effects of Bovine Bone Collagen Hydrolysates Derived Peptides on MC3T3-E1 Cells Ex Vivo. <i>Molecules</i> , 2020, 25, 2305.	3.8	9
42	Effect of Collagen Peptide, Alone and in Combination with Calcium Citrate, on Bone Loss in Tail-Suspended Rats. <i>Molecules</i> , 2020, 25, 782.	3.8	9
43	In situ localization of lipids on mouse kidney tissues with acute cadmium toxicity using atmospheric pressure-MALDI mass spectrometry imaging. <i>Talanta</i> , 2022, 245, 123466.	5.5	9
44	CENP-K and CENP-H may form coiled-coils in the kinetochores. <i>Science in China Series C: Life Sciences</i> , 2009, 52, 352-359.	1.3	8
45	Direct analysis of oligosaccharides and alpha hydroxy acids in fruits using electrosonic spray ionization mass spectrometry. <i>Analyst, The</i> , 2011, 136, 3809.	3.5	8
46	Microanalysis of oligosaccharide HS203 in beagle dog plasma by postcolumn fluorescence derivatization method. <i>Carbohydrate Polymers</i> , 2012, 89, 661-666.	10.2	8
47	Rapid Fabrication of MgNH <sub>4</sub> PO <sub>4</sub> ·H <sub>2</sub> O/SrHPO <sub>4</sub> Porous Composite Scaffolds with Improved Radiopacity via 3D Printing Process. <i>Biomedicines</i> , 2021, 9, 1138.	3.2	4
48	Analysis of monohexosyl alkyl (alkenyl)-acyl glycerol in brain samples by shotgun lipidomics. <i>Analytica Chimica Acta</i> , 2020, 1129, 143-149.	5.4	3
49	Comprehensive physical and chemical characterization highlights the uniqueness of enzymatic gelatin in terms of surface properties. <i>Green Processing and Synthesis</i> , 2022, 11, 674-685.	3.4	3
50	Mass Spectrometry-Based Shotgun Lipidomics for Cancer Research. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1280, 39-55.	1.6	2
51	Studies on the Reaction between Peptides or Proteins with N-Phosphoryl Amino Acids in Aqueous Solution. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2008, 183, 764-772.	1.6	1