

# Maowei Dou

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,919  
citations

331259

21  
h-index

580395

25  
g-index

25  
all docs

25  
docs citations

25  
times ranked

2190  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances of controlled drug delivery using microfluidic platforms. <i>Advanced Drug Delivery Reviews</i> , 2018, 128, 3-28.	6.6	241
2	Biomarker detection for disease diagnosis using cost-effective microfluidic platforms. <i>Analyst</i> , The, 2015, 140, 7062-7081.	1.7	208
3	A Versatile PDMS/Paper Hybrid Microfluidic Platform for Sensitive Infectious Disease Diagnosis. <i>Analytical Chemistry</i> , 2014, 86, 7978-7986.	3.2	181
4	High-Throughput Single Cell Proteomics Enabled by Multiplex Isobaric Labeling in a Nanodroplet Sample Preparation Platform. <i>Analytical Chemistry</i> , 2019, 91, 13119-13127.	3.2	156
5	Nanoparticle-mediated photothermal effect enables a new method for quantitative biochemical analysis using a thermometer. <i>Nanoscale</i> , 2016, 8, 5422-5427.	2.8	123
6	Low-cost bioanalysis on paper-based and its hybrid microfluidic platforms. <i>Talanta</i> , 2015, 145, 43-54.	2.9	121
7	A paper/polymer hybrid microfluidic microplate for rapid quantitative detection of multiple disease biomarkers. <i>Scientific Reports</i> , 2016, 6, 30474.	1.6	110
8	Multiplexed instrument-free meningitis diagnosis on a polymer/paper hybrid microfluidic biochip. <i>Biosensors and Bioelectronics</i> , 2017, 87, 865-873.	5.3	110
9	Spatially Resolved Proteome Mapping of Laser Capture Microdissected Tissue with Automated Sample Transfer to Nanodroplets. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1864-1874.	2.5	105
10	A paper/polymer hybrid CD-like microfluidic SpinChip integrated with DNA-functionalized graphene oxide nanosensors for multiplex qLAMP detection. <i>Chemical Communications</i> , 2017, 53, 10886-10889.	2.2	64
11	Recent innovations in cost-effective polymer and paper hybrid microfluidic devices. <i>Lab on A Chip</i> , 2021, 21, 2658-2683.	3.1	62
12	Rapid and Accurate Diagnosis of the Respiratory Disease Pertussis on a Point-of-Care Biochip. <i>EClinicalMedicine</i> , 2019, 8, 72-77.	3.2	51
13	Interfacial nano-biosensing in microfluidic droplets for high-sensitivity detection of low-solubility molecules. <i>Chemical Communications</i> , 2016, 52, 3470-3473.	2.2	47
14	Benchtop-compatible sample processing workflow for proteome profiling of <math>\approx 100</math> mammalian cells. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 4587-4596.	1.9	46
15	Surfactant-assisted one-pot sample preparation for label-free single-cell proteomics. <i>Communications Biology</i> , 2021, 4, 265.	2.0	46
16	A low-cost microfluidic platform for rapid and instrument-free detection of whooping cough. <i>Analytica Chimica Acta</i> , 2019, 1065, 71-78.	2.6	39
17	Controlled Drug Delivery Using Microdevices. <i>Current Pharmaceutical Biotechnology</i> , 2016, 17, 772-787.	0.9	39
18	Automated Nanoflow Two-Dimensional Reversed-Phase Liquid Chromatography System Enables In-Depth Proteome and Phosphoproteome Profiling of Nanoscale Samples. <i>Analytical Chemistry</i> , 2019, 91, 9707-9715.	3.2	36

#	ARTICLE	IF	CITATIONS
19	Nanowell-mediated two-dimensional liquid chromatography enables deep proteome profiling of &lt;1000 mammalian cells. <i>Chemical Science</i> , 2018, 9, 6944-6951.	3.7	33
20	Spatially Resolved Proteome Profiling of &lt;200 Cells from Tomato Fruit Pericarp by Integrating Laser-Capture Microdissection with Nanodroplet Sample Preparation. <i>Analytical Chemistry</i> , 2018, 90, 11106-11114.	3.2	31
21	Study on seawater nanofiltration softening technology for offshore oilfield water and polymer flooding. <i>Desalination</i> , 2012, 297, 30-37.	4.0	26
22	A fully battery-powered inexpensive spectrophotometric system for high-sensitivity point-of-care analysis on a microfluidic chip. <i>Analyst, The</i> , 2016, 141, 3898-3903.	1.7	20
23	Nanowell-mediated multidimensional separations combining nanoLC with SLIM IM-MS for rapid, high-peak-capacity proteomic analyses. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5363-5372.	1.9	13
24	Study on seawater nanofiltration softening technology for offshore oilfield polymer solution preparation. <i>Desalination and Water Treatment</i> , 2013, 51, 5064-5073.	1.0	6
25	Charge Characteristics of Nanofiltration Membrane by Streaming Potential Method. <i>Advanced Materials Research</i> , 2011, 396-398, 547-551.	0.3	5