

# Wen-Ping Peng

## List of Publications by Year in descending order

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39  
papers

1,011  
citations

361296

20  
h-index

434063

31  
g-index

42  
all docs

42  
docs citations

42  
times ranked

775  
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix-assisted laser desorption/ionization (MALDI) mechanism revisited. <i>Analytica Chimica Acta</i> , 2007, 582, 1-9.	2.6	108
2	Laser-Induced Acoustic Desorption Mass Spectrometry of Single Bioparticles. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 1423-1426.	7.2	63
3	Measuring Masses of Single Bacterial Whole Cells with a Quadrupole Ion Trap. <i>Journal of the American Chemical Society</i> , 2004, 126, 11766-11767.	6.6	57
4	Charge-Monitoring Laser-Induced Acoustic Desorption Mass Spectrometry for Cell and Microparticle Mass Distribution Measurement. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3865-3869.	7.2	54
5	Charge Monitoring Cell Mass Spectrometry. <i>Analytical Chemistry</i> , 2008, 80, 2524-2530.	3.2	49
6	Single-Particle Mass Spectrometry of Polystyrene Microspheres and Diamond Nanocrystals. <i>Analytical Chemistry</i> , 2002, 74, 232-238.	3.2	45
7	Ion Soft Landing Using a Rectilinear Ion Trap Mass Spectrometer. <i>Analytical Chemistry</i> , 2008, 80, 6640-6649.	3.2	45
8	Quantitative Measurement of Nano-Microparticle Endocytosis by Cell Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 3460-3464.	7.2	38
9	Ion Trap Mass Spectrometry of Fluorescently Labeled Nanoparticles. <i>Analytical Chemistry</i> , 2003, 75, 1805-1811.	3.2	35
10	Redox chemistry in thin layers of organometallic complexes prepared using ion soft landing. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 267-275.	1.3	34
11	Optical detection methods for mass spectrometry of macroions. <i>Mass Spectrometry Reviews</i> , 2004, 23, 443-465.	2.8	33
12	Optical Detection and Charge-State Analysis of MALDI-Generated Particles with Molecular Masses Larger Than 5 MDa. <i>Analytical Chemistry</i> , 2002, 74, 4434-4440.	3.2	32
13	Molar Mass and Molar Mass Distribution of Polystyrene Particle Size Standards. <i>Analytical Chemistry</i> , 2005, 77, 7084-7089.	3.2	30
14	Resonance methods in quadrupole ion traps. <i>Chemical Physics Letters</i> , 2017, 668, 69-89.	1.2	29
15	Detonation Nanodiamonds for Rapid Detection of Clinical Isolates of <i>Mycobacterium tuberculosis</i> Complex in Broth Culture Media. <i>Analytical Chemistry</i> , 2012, 84, 7972-7978.	3.2	27
16	Forced dried droplet method for MALDI sample preparation. <i>Analytica Chimica Acta</i> , 2018, 1031, 128-133.	2.6	25
17	Interpreting the Charge State Assignment in Electrospray Mass Spectra of Bioparticles. <i>Analytical Chemistry</i> , 2011, 83, 1960-1968.	3.2	23
18	Measuring masses of large biomolecules and bioparticles using mass spectrometric techniques. <i>Analyst</i> , 2014, 139, 3507-3523.	1.7	23

#	ARTICLE	IF	CITATIONS
19	Characterization of bioparticles using a miniature cylindrical ion trap mass spectrometer operated at rough vacuum. <i>Analyst, The</i> , 2011, 136, 1305.	1.7	22
20	Game-Theory-Based Search Engine to Automate the Mass Assignment in Complex Native Electrospray Mass Spectra. <i>Analytical Chemistry</i> , 2013, 85, 11275-11283.	3.2	20
21	Characteristics of stability boundary and frequency in nonlinear ion trap mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1588-1595.	1.2	19
22	Development of Visible-Wavelength MALDI Cell Mass Spectrometry for High-Efficiency Single-Cell Analysis. <i>Analytical Chemistry</i> , 2016, 88, 11913-11918.	3.2	19
23	Direct detection of carbapenemase-associated proteins of <i>Acinetobacter baumannii</i> using nanodiamonds coupled with matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Microbiological Methods</i> , 2018, 147, 36-42.	0.7	17
24	Thermal formation of mixed-metal inorganic complexes at atmospheric pressure. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3540-3548.	0.7	15
25	Wavelet-Based Method for Time-Domain Noise Analysis and Reduction in a Frequency-Scan Ion Trap Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1855-1864.	1.2	13
26	Quantitative Assessment of Protein Adsorption on Microparticles with Particle Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 3876-3881.	3.2	13
27	Validation of nanodiamond-extracted CFP-10 antigen as a biomarker in clinical isolates of <i>Mycobacterium tuberculosis</i> complex in broth culture media. <i>Tuberculosis</i> , 2015, 95, 620-624.	0.8	13
28	Averaging peak-to-peak voltage detector for absolute mass determination of single particles with quadrupole ion traps. <i>Review of Scientific Instruments</i> , 2005, 76, 023108.	0.6	11
29	Potential Distribution and Transmission Characteristics in a Curved Quadrupole Ion Guide. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 386-398.	1.2	11
30	The development of charge detection-quadrupole ion trap mass spectrometry driven by rectangular and triangular waves. <i>Analyst, The</i> , 2012, 137, 1199.	1.7	11
31	Ambient Aerodynamic Desorption/Ionization Method for Microparticle Mass Measurement. <i>Analytical Chemistry</i> , 2013, 85, 4370-4375.	3.2	11
32	Characterization of Column Packing Materials in High-Performance Liquid Chromatography by Charge-Detection Quadrupole Ion Trap Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 5400-5406.	3.2	10
33	High Mass Ion Detection with Charge Detector Coupled to Rectilinear Ion Trap Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1066-1078.	1.2	8
34	Carboxylated/Oxidized Diamond Nanoparticles for Quantifying Immunoglobulin G Antibodies Using Mass Spectrometry. <i>ACS Applied Nano Materials</i> , 2021, 4, 8922-8936.	2.4	7
35	Generation of multiply charged ions from homogeneous MALDI microcrystals. <i>International Journal of Mass Spectrometry</i> , 2021, 462, 116539.	0.7	6
36	Frequency Scan of a Quadrupole Mass Analyzer in the Third Stability Region for Protein Analysis. <i>Journal of the Chinese Chemical Society</i> , 2006, 53, 47-52.	0.8	5

#	ARTICLE	IF	CITATIONS
37	Ionization of Submicrometer-Sized Particles by Laser-Induced Radiofrequency Plasma for Mass Spectrometric Analysis. <i>Analytical Chemistry</i> , 2018, 90, 13236-13242.	3.2	5
38	Linear and Nonlinear Resonance Ejection of High Mass Ions with charge detection rectilinear ion trap mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2020, 450, 116301.	0.7	3
39	Ion velocities of laser desorbed ions passing through quadrupole electric fields. <i>International Journal of Mass Spectrometry</i> , 2016, 401, 46-54.	0.7	1