

Xinyu Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/812008/publications.pdf>

Version: 2024-02-01

20
papers

582
citations

687363

13
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

708
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Evaluation and Optimization of Structures for Lossless Ion Manipulations for Ion Mobility Spectrometry with Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 9169-9176.	6.5	91
2	Characterization of Ion Dynamics in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2014, 86, 9162-9168.	6.5	62
3	Microfluidic System for Generation of Sinusoidal Glucose Waveforms for Entrainment of Islets of Langerhans. <i>Analytical Chemistry</i> , 2010, 82, 6704-6711.	6.5	49
4	Simulation of Electric Potentials and Ion Motion in Planar Electrode Structures for Lossless Ion Manipulations (SLIM). <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1890-1896.	2.8	49
5	Ion Trapping, Storage, and Ejection in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2015, 87, 6010-6016.	6.5	48
6	Microfluidic Perfusion System for Automated Delivery of Temporal Gradients to Islets of Langerhans. <i>Analytical Chemistry</i> , 2009, 81, 1162-1168.	6.5	47
7	Mobility-Resolved Ion Selection in Uniform Drift Field Ion Mobility Spectrometry/Mass Spectrometry: Dynamic Switching in Structures for Lossless Ion Manipulations. <i>Analytical Chemistry</i> , 2014, 86, 9632-9637.	6.5	45
8	Quantitative Polymerase Chain Reaction Using Infrared Heating on a Microfluidic Chip. <i>Analytical Chemistry</i> , 2012, 84, 2825-2829.	6.5	35
9	Five Easy Metrics of Data Quality for LC-MS-Based Global Metabolomics. <i>Analytical Chemistry</i> , 2020, 92, 12925-12933.	6.5	31
10	Synchronization of mouse islets of Langerhans by glucose waveforms. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 301, E742-E747.	3.5	27
11	A Metabolomic Aging Clock Using Human Cerebrospinal Fluid. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2022, 77, 744-754.	3.6	19
12	Multiplatform Metabolomics Investigation of Antiadipogenic Effects on 3T3-L1 Adipocytes by a Potent Diarylheptanoid. <i>Journal of Proteome Research</i> , 2018, 17, 2092-2101.	3.7	16
13	Tryptophan Metabolites in Irritable Bowel Syndrome: An Overnight Time-course Study. <i>Journal of Neurogastroenterology and Motility</i> , 2019, 25, 551-562.	2.4	16
14	Microfluidic multi-analyte gradient generator. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1985-1991.	3.7	15
15	Lattice Vibration Fundamentals of Anatase Nanocrystalline TiO ₂ Thin Films Detected Using Unpolarized Infrared Spectroscopy. <i>Chemistry Letters</i> , 2006, 35, 884-885.	1.3	9
16	Predictive Modeling of Alzheimer's and Parkinson's Disease Using Metabolomic and Lipidomic Profiles from Cerebrospinal Fluid. <i>Metabolites</i> , 2022, 12, 277.	2.9	9
17	UV annealing of inorganic-organic composite films prepared by sol-gel technique. <i>Thin Solid Films</i> , 2004, 453-454, 59-62.	1.8	7
18	Maintaining stimulant waveforms in large-volume microfluidic cell chambers. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 65-71.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Deposition and growth kinetics studies of thin zirconium dioxide films by UVILS-CVD. Applied Surface Science, 2007, 253, 7942-7946.	6.1	2
20	Preparing optical thick films for planar waveguides with single spin-coating processes. Applied Physics A: Materials Science and Processing, 2005, 81, 1203-1205.	2.3	1