

Elizabeth C Randall

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

658
citations

623188

14
h-index

752256

20
g-index

22
all docs

22
docs citations

22
times ranked

984
citing authors

#	ARTICLE	IF	CITATIONS
1	Liquid Extraction Surface Analysis Mass Spectrometry Coupled with Field Asymmetric Waveform Ion Mobility Spectrometry for Analysis of Intact Proteins from Biological Substrates. <i>Analytical Chemistry</i> , 2015, 87, 6794-6800.	3.2	75
2	Localized Metabolomic Gradients in Patient-Derived Xenograft Models of Glioblastoma. <i>Cancer Research</i> , 2020, 80, 1258-1267.	0.4	67
3	Direct Analysis of Intact Proteins from <i>Escherichia coli</i> Colonies by Liquid Extraction Surface Analysis Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 10504-10510.	3.2	66
4	Integrated mapping of pharmacokinetics and pharmacodynamics in a patient-derived xenograft model of glioblastoma. <i>Nature Communications</i> , 2018, 9, 4904.	5.8	62
5	Rapid MALDI mass spectrometry imaging for surgical pathology. <i>Npj Precision Oncology</i> , 2019, 3, 17.	2.3	59
6	Molecular Characterization of Prostate Cancer with Associated Gleason Score Using Mass Spectrometry Imaging. <i>Molecular Cancer Research</i> , 2019, 17, 1155-1165.	1.5	50
7	Automatic 3D Nonlinear Registration of Mass Spectrometry Imaging and Magnetic Resonance Imaging Data. <i>Analytical Chemistry</i> , 2019, 91, 6206-6216.	3.2	45
8	Peak learning of mass spectrometry imaging data using artificial neural networks. <i>Nature Communications</i> , 2021, 12, 5544.	5.8	43
9	Raster-Mode Continuous-Flow Liquid Microjunction Mass Spectrometry Imaging of Proteins in Thin Tissue Sections. <i>Analytical Chemistry</i> , 2017, 89, 5683-5687.	3.2	33
10	MALDI Imaging of Liquid Extraction Surface Analysis Sampled Tissue. <i>Analytical Chemistry</i> , 2016, 88, 8433-8440.	3.2	25
11	PHD3 Loss Promotes Exercise Capacity and Fat Oxidation in Skeletal Muscle. <i>Cell Metabolism</i> , 2020, 32, 215-228.e7.	7.2	22
12	Quantitative Imaging of Proteins in Tissue by Stable Isotope Labeled Mimetic Liquid Extraction Surface Analysis Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 14198-14202.	3.2	21
13	Pre- and Postoperative Neratinib for HER2-Positive Breast Cancer Brain Metastases: Translational Breast Cancer Research Consortium 022. <i>Clinical Breast Cancer</i> , 2020, 20, 145-151.e2.	1.1	21
14	In Vitro Liquid Extraction Surface Analysis Mass Spectrometry (ivLESA-MS) for Direct Metabolic Analysis of Adherent Cells in Culture. <i>Analytical Chemistry</i> , 2018, 90, 4987-4991.	3.2	18
15	Metal Oxide Laser Ionization Mass Spectrometry Imaging (MOLI MSI) Using Cerium(IV) Oxide. <i>Analytical Chemistry</i> , 2019, 91, 6800-6807.	3.2	14
16	massNet: integrated processing and classification of spatially resolved mass spectrometry data using deep learning for rapid tumor delineation. <i>Bioinformatics</i> , 2022, 38, 2015-2021.	1.8	13
17	Interim clinical trial analysis of intraoperative mass spectrometry for breast cancer surgery. <i>Npj Breast Cancer</i> , 2021, 7, 116.	2.3	10
18	Multimodal platform for assessing drug distribution and response in clinical trials. <i>Neuro-Oncology</i> , 2022, 24, 64-77.	0.6	4

#	ARTICLE	IF	CITATIONS
19	Genetically Encoded Fluorescent Proteins Enable High-Throughput Assignment of Cell Cohorts Directly from MALDI-MS Images. <i>Analytical Chemistry</i> , 2019, 91, 3810-3817.	3.2	3
20	Spatial Distribution of Transcytosis Relevant Phospholipids in Response to Omega-3 Dietary Deprivation. <i>ACS Chemical Biology</i> , 2021, 16, 106-115.	1.6	3