

Sage J B Dunham

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

528
citations

840776

11
h-index

1281871

11
g-index

15
all docs

15
docs citations

15
times ranked

690
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass Spectrometry Imaging of Complex Microbial Communities. <i>Accounts of Chemical Research</i> , 2017, 50, 96-104.	15.6	120
2	Biomolecular Imaging with a C60-SIMS/MALDI Dual Ion Source Hybrid Mass Spectrometer: Instrumentation, Matrix Enhancement, and Single Cell Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1897-1907.	2.8	61
3	Single Cell Profiling Using Ionic Liquid Matrix-Enhanced Secondary Ion Mass Spectrometry for Neuronal Cell Type Differentiation. <i>Analytical Chemistry</i> , 2017, 89, 3078-3086.	6.5	60
4	Correlated Imaging with C ₆₀ -SIMS and Confocal Raman Microscopy: Visualization of Cell-Scale Molecular Distributions in Bacterial Biofilms. <i>Analytical Chemistry</i> , 2014, 86, 10885-10891.	6.5	58
5	Multimodal chemical imaging of molecular messengers in emerging <i>Pseudomonas aeruginosa</i> bacterial communities. <i>Analyst</i> , 2015, 140, 6544-6552.	3.5	58
6	A one-step matrix application method for MALDI mass spectrometry imaging of bacterial colony biofilms. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1030-1035.	1.6	38
7	Spatially dependent alkyl quinolone signaling responses to antibiotics in <i>Pseudomonas aeruginosa</i> swarms. <i>Journal of Biological Chemistry</i> , 2018, 293, 9544-9552.	3.4	33
8	Quantitative SIMS Imaging of Agar-Based Microbial Communities. <i>Analytical Chemistry</i> , 2018, 90, 5654-5663.	6.5	30
9	Metal-assisted polyatomic SIMS and laser desorption/ionization for enhanced small molecule imaging of bacterial biofilms. <i>Biointerphases</i> , 2016, 11, 02A325.	1.6	21
10	Vacuum-assisted sorbent extraction: An analytical methodology for the determination of ultraviolet filters in environmental samples. <i>Talanta</i> , 2020, 208, 120390.	5.5	18
11	A Versatile Strategy for Characterization and Imaging of Drip Flow Microbial Biofilms. <i>Analytical Chemistry</i> , 2018, 90, 6725-6734.	6.5	14
12	Label-free molecular imaging of bacterial communities of the opportunistic pathogen <i>Pseudomonas aeruginosa</i> . , 2016, 9930, .		12
13	Spatiotemporal dynamics of molecular messaging in bacterial co-cultures studied by multimodal chemical imaging. , 2019, 10863, .		5
14	Microscale transport physics during atomic force microscopy mass spectrometry and improved sampling efficiency. , 2017, , .		0