

Hansen Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

533
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759233

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docs citations

22
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576
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic metabolic change of cancer cells induced by natural killer cells at the single-cell level studied by label-free mass cytometry. <i>Chemical Science</i> , 2022, 13, 1641-1647.	7.4	17
2	Combination of liquid crystal and deep learning reveals distinct signatures of Parkinson's disease-related wild-type α -synuclein and six pathogenic mutants. <i>Chemistry - an Asian Journal</i> , 2022, 17, .	3.3	3
3	Intact living-cell electrolaunching ionization mass spectrometry for single-cell metabolomics. <i>Chemical Science</i> , 2022, 13, 8065-8073.	7.4	12
4	Real-Time Study of Protein Phase Separation with Spatiotemporal Analysis of Single-Nanoparticle Trajectories. <i>ACS Nano</i> , 2021, 15, 539-549.	14.6	18
5	<i>In Situ</i> Identification and Spatial Mapping of Microplastic Standards in Paramecia by Secondary-Ion Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021, 93, 5521-5528.	6.5	12
6	Discriminating Leukemia Cellular Heterogeneity and Screening Metabolite Biomarker Candidates using Label-Free Mass Cytometry. <i>Analytical Chemistry</i> , 2021, 93, 10282-10291.	6.5	15
7	Combination of Structured Illumination Microscopy with Hyperspectral Imaging for Cell Analysis. <i>Analytical Chemistry</i> , 2021, 93, 10056-10064.	6.5	5
8	Uncover Single Nanoparticle Dynamics on Live Cell Membrane with Data-Driven Historical Experience Analysis. <i>Analytical Chemistry</i> , 2021, 93, 9559-9567.	6.5	1
9	Reveal heterogeneous motion states in single nanoparticle trajectory using its own history. <i>Science China Chemistry</i> , 2021, 64, 302-312.	8.2	2
10	SEAM is a spatial single nuclear metabolomics method for dissecting tissue microenvironment. <i>Nature Methods</i> , 2021, 18, 1223-1232.	19.0	78
11	Mannose Promotes Metabolic Discrimination of Osteosarcoma Cells at Single-Cell Level by Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 2690-2696.	6.5	20
12	Metabolic Discrimination of Breast Cancer Subtypes at the Single-Cell Level by Multiple Microextraction Coupled with Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 3667-3674.	6.5	39
13	Label-free Mass Cytometry for Unveiling Cellular Metabolic Heterogeneity. <i>Analytical Chemistry</i> , 2019, 91, 9777-9783.	6.5	59
14	Spatiotemporal Heterogeneity of Reactions in Solution Observed with High-Speed Single-Nanorod Rotational Sensing. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8389-8393.	13.8	10
15	Spatiotemporal Heterogeneity of Reactions in Solution Observed with High-Speed Single-Nanorod Rotational Sensing. <i>Angewandte Chemie</i> , 2019, 131, 8477-8481.	2.0	1
16	A Cell-Surface-Specific Ratiometric Fluorescent Probe for Extracellular pH Sensing with Solid-State Fluorophore. <i>ACS Sensors</i> , 2018, 3, 2278-2285.	7.8	36
17	Combination of Droplet Extraction and Pico-ESI-MS Allows the Identification of Metabolites from Single Cancer Cells. <i>Analytical Chemistry</i> , 2018, 90, 9897-9903.	6.5	68
18	Characterize Collective Lysosome Heterogeneous Dynamics in Live Cell with a Space- and Time-Resolved Method. <i>Analytical Chemistry</i> , 2018, 90, 9138-9147.	6.5	7

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19	Spatiotemporal fluorescence imaging of newly synthesized proteins in normal and cancerous cells with anticarcinogen modulation. <i>Talanta</i> , 2017, 162, 641-647.	5.5	3
20	Identification and Quantitation of C=C Location Isomers of Unsaturated Fatty Acids by Epoxidation Reaction and Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 10270-10278.	6.5	82
21	<i>In situ</i> Detection of a Single Bacterium in Complex Environment by Hyperspectral CARS Imaging. <i>ChemistrySelect</i> , 2016, 1, 513-517.	1.5	19
22	<i>In Situ</i> Ion-Transmission Mass Spectrometry for Paper-Based Analytical Devices. <i>Analytical Chemistry</i> , 2016, 88, 10805-10810.	6.5	26