Sylwia A Stopka

List of Publications by Year
in descending order

35	624	643344	685536
papers	citations	15 h-index	24 g-index

39	39	39	840
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multimodal platform for assessing drug distribution and response in clinical trials. Neuro-Oncology, 2022, 24, 64-77.	0.6	4
2	massNet: integrated processing and classification of spatially resolved mass spectrometry data using deep learning for rapid tumor delineation. Bioinformatics, 2022, 38, 2015-2021.	1.8	13
3	A non-dividing cell population with high pyruvate dehydrogenase kinase activity regulates metabolic heterogeneity and tumorigenesis in the intestine. Nature Communications, 2022, 13, 1503.	5.8	22
4	Multiplatform Metabolomics Studies of Human Cancers With NMR and Mass Spectrometry Imaging. Frontiers in Molecular Biosciences, 2022, 9, 785232.	1.6	5
5	Overcoming differential tumor penetration of BRAF inhibitors using computationally guided combination therapy. Science Advances, 2022, 8, eabl6339.	4.7	6
6	LTBK-04. LATE BREAKING ABSTRACT: MEK162 (binimetinib) in children with progressive or recurrent low-grade glioma: a multi-institutional phase II and target validation study. Neuro-Oncology, 2022, 24, i191-i192.	0.6	4
7	Abstract 2322: Multiplatform metabolomics studies of human cancers with NMR and mass spectrometry imaging. Cancer Research, 2022, 82, 2322-2322.	0.4	0
8	DDRE-32. THERAPEUTIC TARGETING OF A NOVEL METABOLIC ADDICTION IN DIFFUSE MIDLINE GLIOMA. Neuro-Oncology Advances, 2021, 3, i13-i13.	0.4	0
9	Optical Microscopy-Guided Laser Ablation Electrospray Ionization Ion Mobility Mass Spectrometry: Ambient Single Cell Metabolomics with Increased Confidence in Molecular Identification. Metabolites, 2021, 11, 200.	1.3	25
10	Î²-Cyclodextrin-poly (Î²-Amino Ester) Nanoparticles Are a Generalizable Strategy for High Loading and Sustained Release of HDAC Inhibitors. ACS Applied Materials & Interfaces, 2021, 13, 20960-20973.	4.0	15
11	Heterogeneous delivery across the blood-brain barrier limits the efficacy of an EGFR-targeting antibody drug conjugate in glioblastoma. Neuro-Oncology, 2021, 23, 2042-2053.	0.6	37
12	Neuropeptide Localization in Lymnaea stagnalis: From the Central Nervous System to Subcellular Compartments. Frontiers in Molecular Neuroscience, 2021, 14, 670303.	1.4	6
13	EPCT-09. CNS LEVELS OF PANOBINOSTAT IN A NON-HUMAN PRIMATE MODEL: COMPARISON OF BLOOD AND CEREBROSPINAL FLUID PHARMACOKINETIC METHODS AND MALDI MSI. Neuro-Oncology, 2021, 23, i48-i48.	0.6	0
14	HGG-38. DE NOVO PYRIMIDINE SYNTHESIS INHIBITION INDUCES REPLICATION CATASTROPHE MEDIATED CELL DEATH IN DIFFUSE MIDLINE GLIOMA. Neuro-Oncology, 2021, 23, i25-i25.	0.6	0
15	Abstract 1816: Phenogenomic characterization of immunomodulatory purinergic signaling in glioblastoma. , 2021, , .		0
16	High-Throughput Analysis of Tissue-Embedded Single Cells by Mass Spectrometry with Bimodal Imaging and Object Recognition. Analytical Chemistry, 2021, 93, 9677-9687.	3.2	17
17	Interim clinical trial analysis of intraoperative mass spectrometry for breast cancer surgery. Npj Breast Cancer, 2021, 7, 116.	2.3	10
18	In-Situ Metabolomic Analysis of Setaria viridis Roots Colonized by Beneficial Endophytic Bacteria. Molecular Plant-Microbe Interactions, 2020, 33, 272-283.	1.4	23

#	Article	IF	Citations
19	Metabolomic profiling of wildâ€type and mutant soybean root nodules using laserâ€ablation electrospray ionization mass spectrometry reveals altered metabolism. Plant Journal, 2020, 103, 1937-1958.	2.8	21
20	Single-Cell Metabolic Profiling: Metabolite Formulas from Isotopic Fine Structures in Heterogeneous Plant Cell Populations. Analytical Chemistry, 2020, 92, 7289-7298.	3.2	37
21	Toward Single Cell Molecular Imaging by Matrix-Free Nanophotonic Laser Desorption Ionization Mass Spectrometry. Methods in Molecular Biology, 2020, 2064, 135-146.	0.4	3
22	Metabolomic Profiling of Adherent Mammalian Cells In Situ by LAESI-MS with Ion Mobility Separation. Methods in Molecular Biology, 2020, 2084, 235-244.	0.4	4
23	TAMI-45. PHENOGENOMIC CHARACTERIZATION OF IMMUNOMODULATORY PURINERGIC SIGNALING IN GLIOBLASTOMA. Neuro-Oncology, 2020, 22, ii222-ii223.	0.6	0
24	Ambient Metabolic Profiling and Imaging of Biological Samples with Ultrahigh Molecular Resolution Using Laser Ablation Electrospray Ionization 21 Tesla FTICR Mass Spectrometry. Analytical Chemistry, 2019, 91, 5028-5035.	3.2	40
25	Metabolic Noise and Distinct Subpopulations Observed by Single Cell LAESI Mass Spectrometry of Plant Cells in situ. Frontiers in Plant Science, 2018, 9, 1646.	1.7	40
26	Trace Analysis and Reaction Monitoring by Nanophotonic Ionization Mass Spectrometry from Elevated Bowtie and Silicon Nanopost Arrays. Advanced Functional Materials, 2018, 28, 1801730.	7.8	31
27	Observed metabolic asymmetry within soybean root nodules reflects unexpected complexity in rhizobacteria-legume metabolite exchange. ISME Journal, 2018, 12, 2335-2338.	4.4	39
28	Inferring Mechanism of Action of an Unknown Compound from Time Series Omics Data. Lecture Notes in Computer Science, 2018, , 238-255.	1.0	3
29	Laserâ€ablation electrospray ionization mass spectrometry with ion mobility separation reveals metabolites in the symbiotic interactions of soybean roots and rhizobia. Plant Journal, 2017, 91, 340-354.	2.8	48
30	Molecular Imaging of Biological Samples on Nanophotonic Laser Desorption Ionization Platforms. Angewandte Chemie, 2016, 128, 4558-4562.	1.6	16
31	Large-Scale Metabolite Analysis of Standards and Human Serum by Laser Desorption Ionization Mass Spectrometry from Silicon Nanopost Arrays. Analytical Chemistry, 2016, 88, 8989-8996.	3.2	38
32	Molecular Imaging of Biological Samples on Nanophotonic Laser Desorption Ionization Platforms. Angewandte Chemie - International Edition, 2016, 55, 4482-4486.	7.2	86
33	Turnover rates in microorganisms by laser ablation electrospray ionization mass spectrometry and pulse-chase analysis. Analytica Chimica Acta, 2016, 902, 1-7.	2.6	13
34	Titelbild: Molecular Imaging of Biological Samples on Nanophotonic Laser Desorption Ionization Platforms (Angew. Chem. 14/2016). Angewandte Chemie, 2016, 128, 4443-4443.	1.6	0
35	Metabolic transformation of microalgae due to light acclimation and genetic modifications followed by laser ablation electrospray ionization mass spectrometry with ion mobility separation. Analyst, The, 2014, 139, 5945-5953.	1.7	13