

Maxence Wisztorski

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

2,922
citations

159585

30
h-index

175258

52
g-index

82
all docs

82
docs citations

82
times ranked

2943
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein Kinase C Activation Drives a Differentiation Program in an Oligodendroglial Precursor Model through the Modulation of Specific Biological Networks. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5245.	4.1	7
2	In-depth proteomics analysis of sentinel lymph nodes from individuals with endometrial cancer. <i>Cell Reports Medicine</i> , 2021, 2, 100318.	6.5	18
3	Toward High Spatially Resolved Proteomics Using Expansion Microscopy. <i>Analytical Chemistry</i> , 2021, 93, 12195-12203.	6.5	11
4	Cross-talk between YAP and RAR-RXR Drives Expression of Stemness Genes to Promote 5-FU Resistance and Self-Renewal in Colorectal Cancer Cells. <i>Molecular Cancer Research</i> , 2021, 19, 612-622.	3.4	13
5	Cumulative learning enables convolutional neural network representations for small mass spectrometry data classification. <i>Nature Communications</i> , 2020, 11, 5595.	12.8	35
6	Mechanisms of innate events during skin reaction following intradermal injection of seasonal influenza vaccine. <i>Journal of Proteomics</i> , 2020, 216, 103670.	2.4	7
7	Distinct Protein Expression Networks are Activated in Microglia Cells after Stimulation with IFN- $\hat{3}$ and IL-4. <i>Cells</i> , 2019, 8, 580.	4.1	15
8	ALK4/5-dependent TGF- $\hat{2}$ signaling contributes to the crosstalk between neurons and microglia following axonal lesion. <i>Scientific Reports</i> , 2019, 9, 6896.	3.3	10
9	Abstract 2671: Omics unveils a specific signature of tumor dormancy in two murine models of leukemia and melanoma. , 2019, , .		0
10	Abstract 2671: Omics unveils a specific signature of tumor dormancy in two murine models of leukemia and melanoma. , 2019, , .		0
11	Paclitaxel Treatment and Proprotein Convertase 1/3 (PC1/3) Knockdown in Macrophages is a Promising Antiglioma Strategy as Revealed by Proteomics and Cytotoxicity Studies. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 1126-1143.	3.8	14
12	Spatially-Resolved Top-down Proteomics Bridged to MALDI MS Imaging Reveals the Molecular Physiome of Brain Regions. <i>Molecular and Cellular Proteomics</i> , 2018, 17, 357-372.	3.8	36
13	Combined Mass Spectrometry Imaging and Top-down Microproteomics Reveals Evidence of a Hidden Proteome in Ovarian Cancer. <i>EBioMedicine</i> , 2017, 21, 55-64.	6.1	45
14	Progress and Potential of Imaging Mass Spectrometry Applied to Biomarker Discovery. <i>Methods in Molecular Biology</i> , 2017, 1598, 21-43.	0.9	19
15	Droplet-Based Liquid Extraction for Spatially-Resolved Microproteomics Analysis of Tissue Sections. <i>Methods in Molecular Biology</i> , 2017, 1618, 49-63.	0.9	21
16	Integrated mass spectrometry imaging and omics workflows on the same tissue section using grid-aided, parafilm-assisted microdissection. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1702-1714.	2.4	19
17	Evaluation of non-supervised MALDI mass spectrometry imaging combined with microproteomics for glioma grade III classification. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 875-890.	2.3	36
18	NanoLC-MS coupling of liquid microjunction microextraction for on-tissue proteomic analysis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 891-900.	2.3	25

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19	Combined MALDI Mass Spectrometry Imaging and Parafilm-Assisted Microdissection-Based LC-MS/MS Workflows in the Study of the Brain. <i>Methods in Molecular Biology</i> , 2017, 1598, 269-283.	0.9	9
20	The proprotein convertase PC1/3 regulates TLR9 trafficking and the associated signaling pathways. <i>Scientific Reports</i> , 2016, 6, 19360.	3.3	11
21	In vivo Real-Time Mass Spectrometry for Guided Surgery Application. <i>Scientific Reports</i> , 2016, 6, 25919.	3.3	100
22	Substrate-Mediated Laser Ablation under Ambient Conditions for Spatially-Resolved Tissue Proteomics. <i>Scientific Reports</i> , 2016, 5, 18135.	3.3	7
23	Spatially-resolved protein surface microsampling from tissue sections using liquid extraction surface analysis. <i>Proteomics</i> , 2016, 16, 1622-1632.	2.2	46
24	Proteomic Analysis of the Spatio-temporal Based Molecular Kinetics of Acute Spinal Cord Injury Identifies a Time- and Segment-specific Window for Effective Tissue Repair. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2641-2670.	3.8	42
25	Proprotein convertase 1/3 inhibited macrophages: A novel therapeutic based on drone macrophages. <i>EuPA Open Proteomics</i> , 2016, 11, 20-22.	2.5	2
26	Delivery of Alginate Scaffold Releasing Two Trophic Factors for Spinal Cord Injury Repair. <i>Scientific Reports</i> , 2015, 5, 13702.	3.3	58
27	METB-07 CLASSIFICATION OF HIGH GRADE GLIOMA USING MATRIX-ASSISTED LASER DESORPTION/IONIZATION MASS SPECTROMETRY IMAGING (MALDI MSI): INTERIM RESULTS OF THE GLIOMIC STUDY. <i>Neuro-Oncology</i> , 2015, 17, v136.3-v136.	1.2	2
28	Development of a novel instrument for ex-vivo and in-vivo real-time analysis. <i>Journal of Biotechnology</i> , 2015, 208, S10.	3.8	1
29	MALDI-MS and NanoSIMS imaging techniques to study cnidarian-dinoflagellate symbioses. <i>Zoology</i> , 2015, 118, 125-131.	1.2	21
30	Inter- and intra-organ spatial distributions of sea star saponins by MALDI imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 8813-8824.	3.7	24
31	Molecular Consequences of Proprotein Convertase 1/3 (PC1/3) Inhibition in Macrophages for Application to Cancer Immunotherapy: A Proteomic Study. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2857-2877.	3.8	21
32	On the Origin of Increased Sensitivity and Mass Resolution Using Silicon Masks in MALDI. <i>Analytical Chemistry</i> , 2014, 86, 1404-1413.	6.5	4
33	Calreticulin contributes to C1q-dependent recruitment of microglia in the leech <i>Hirudo medicinalis</i> following a CNS injury. <i>Medical Science Monitor</i> , 2014, 20, 644-653.	1.1	11
34	Quantification-Based Mass Spectrometry Imaging of Proteins by Parafilm Assisted Microdissection. <i>Analytical Chemistry</i> , 2013, 85, 8127-8134.	6.5	33
35	Microproteomics by liquid extraction surface analysis: Application to FFPE tissue to study the fimbria region of tubo-ovarian cancer. <i>Proteomics - Clinical Applications</i> , 2013, 7, 234-240.	1.6	39
36	Development of liquid microjunction extraction strategy for improving protein identification from tissue sections. <i>Journal of Proteomics</i> , 2013, 79, 200-218.	2.4	82

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37	Proteomic analyses of serous and endometrioid epithelial ovarian cancers – Cases studies – Molecular insights of a possible histological etiology of serous ovarian cancer. <i>Proteomics - Clinical Applications</i> , 2013, 7, 337-354.	1.6	18
38	Direct Detection of Alternative Open Reading Frames Translation Products in Human Significantly Expands the Proteome. <i>PLoS ONE</i> , 2013, 8, e70698.	2.5	192
39	TARGETED MASS spectrometry Imaging: Specific Targeting Mass Spectrometry imaging technologies from history to perspective. <i>Progress in Histochemistry and Cytochemistry</i> , 2012, 47, 133-174.	5.1	31
40	Ovarian cancer molecular pathology. <i>Cancer and Metastasis Reviews</i> , 2012, 31, 713-732.	5.9	57
41	A New Safety Concern for Glaucoma Treatment Demonstrated by Mass Spectrometry Imaging of Benzalkonium Chloride Distribution in the Eye, an Experimental Study in Rabbits. <i>PLoS ONE</i> , 2012, 7, e50180.	2.5	92
42	The triterpene glycosides of <i>Holothuria forskali</i> : usefulness and efficiency as a chemical defense mechanism against predatory fish. <i>Journal of Experimental Biology</i> , 2011, 214, 1347-1356.	1.7	70
43	Automated Querying and Identification of Novel Peptides using MALDI Mass Spectrometric Imaging. <i>Journal of Proteome Research</i> , 2011, 10, 1915-1928.	3.7	30
44	AMASS: Algorithm for MSI Analysis by Semi-supervised Segmentation. <i>Journal of Proteome Research</i> , 2011, 10, 4734-4743.	3.7	24
45	Mass spectrometry imaging (MALDI and TOF-SIMS) of benzalkonium chloride distribution in rabbit eyes. <i>Toxicology Letters</i> , 2011, 205, S199.	0.8	1
46	Brain Proteomics: Sample Preparation Techniques for the Analysis of Rat Brain Samples Using Mass Spectrometry. , 2011, , 171-195.		4
47	Multiple Changes in Peptide and Lipid Expression Associated with Regeneration in the Nervous System of the Medicinal Leech. <i>PLoS ONE</i> , 2011, 6, e18359.	2.5	22
48	MALDI Imaging Mass Spectrometry for Investigating the Brain. , 2011, , 765-783.		0
49	MALDI imaging and profiling MS of higher mass proteins from tissue. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1922-1929.	2.8	110
50	On-tissue protein identification and imaging by MALDI-Ion mobility mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 338-347.	2.8	182
51	Liquid ionic matrixes for MALDI mass spectrometry imaging of lipids. <i>Journal of Proteomics</i> , 2010, 73, 1204-1218.	2.4	101
52	MALDI Direct Analysis and Imaging of Frozen Versus FFPE Tissues: What Strategy for Which Sample?. <i>Methods in Molecular Biology</i> , 2010, 656, 303-322.	0.9	37
53	Localization of Secondary Metabolites in Marine Invertebrates: Contribution of MALDI MSI for the Study of Saponins in Cuvierian Tubules of <i>H. forskali</i> . <i>PLoS ONE</i> , 2010, 5, e13923.	2.5	46
54	On Tissue Protein Identification Improvement by N-Terminal Peptide Derivatization. <i>Methods in Molecular Biology</i> , 2010, 656, 323-338.	0.9	18

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55	Specific MALDI-MSI: TAG-MASS. <i>Methods in Molecular Biology</i> , 2010, 656, 339-361.	0.9	19
56	MALDI mass spectrometry imaging of proteins exceeding 30,000 daltons. <i>Medical Science Monitor</i> , 2010, 16, BR293-9.	1.1	52
57	Improving Tissue Preparation for Matrix-Assisted Laser Desorption Ionization Mass Spectrometry Imaging. Part 1: Using Microspotting. <i>Analytical Chemistry</i> , 2009, 81, 8193-8202.	6.5	73
58	Polymerase Chain Reaction and Immunoassay Matrix Assisted Laser Desorption Mass Spectrometry Using Tag-Mass Technology: New Tools to Break Down Quantification Limits and Multiplexes. <i>Analytical Chemistry</i> , 2009, 81, 9512-9521.	6.5	11
59	On-Tissue N-Terminal Peptide Derivatizations for Enhancing Protein Identification in MALDI Mass Spectrometric Imaging Strategies. <i>Analytical Chemistry</i> , 2009, 81, 8305-8317.	6.5	70
60	MALDI Imaging Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2023-2033.	3.8	149
61	Molecular MALDI imaging: An emerging technology for neuroscience studies. <i>Developmental Neurobiology</i> , 2008, 68, 845-858.	3.0	54
62	MITICS (MALDI Imaging Team Imaging Computing System): A new open source mass spectrometry imaging software. <i>Journal of Proteomics</i> , 2008, 71, 332-345.	2.4	43
63	MALDI Imaging of Formalin-Fixed Paraffin-Embedded Tissues: Application to Model Animals of Parkinson Disease for Biomarker Hunting. <i>Journal of Proteome Research</i> , 2008, 7, 969-978.	3.7	157
64	Tissue imaging using MALDI-MS: a new frontier of histopathology proteomics. <i>Expert Review of Proteomics</i> , 2008, 5, 413-424.	3.0	69
65	New Developments in MALDI Imaging for Pathology Proteomic Studies. <i>Current Pharmaceutical Design</i> , 2007, 13, 3317-3324.	1.9	49
66	Molecular Profiling of Native and Matrix-Coated Tissue Slices from Rat Brain by Infrared and Ultraviolet Laser Desorption/Ionization Orthogonal Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 2463-2471.	6.5	31
67	Tag-Mass: Specific Molecular Imaging of Transcriptome and Proteome by Mass Spectrometry Based on Photocleavable Tag. <i>Journal of Proteome Research</i> , 2007, 6, 2057-2067.	3.7	78
68	MALDI-MS Direct Tissue Analysis of Proteins: Improving Signal Sensitivity Using Organic Treatments. <i>Analytical Chemistry</i> , 2006, 78, 7145-7153.	6.5	170
69	New Glioma Molecular Classification for Precise Therapeutic Decision Based on Spatially-Resolved Proteogenomics Guided by MALDI-MSI and Clinical Data Integration. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
70	Sentinel Lymph Node and Endometrial Cancer Grades, Molecular Markers Patients Stratification and Survival Diagnosis Identification. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
71	Preneoplastic Lesions Fimbria Early Diagnosis Markers Underlying Timeline Mechanisms at the Origin of Ovarian Cancer in BRAC1/2 Patients. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0