Marten F Snel

List of Publications by Year
in descending order

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Version: 2024-02-01

43 papers	1,303 citations	471061 17 h-index	360668 35 g-index
45 all docs	45 docs citations	45 times ranked	1481 citing authors

#	Article	IF	Citations
1	Matrix-Assisted Laser Desorption/Ionization-Ion Mobility Separation-Mass Spectrometry Imaging of Vinblastine in Whole Body Tissue Sections. Analytical Chemistry, 2008, 80, 8628-8634.	3.2	182
2	On-tissue protein identification and imaging by MALDI-Ion mobility mass spectrometry. Journal of the American Society for Mass Spectrometry, 2010, 21, 338-347.	1.2	182
3	Novel molecular tumour classification using MALDIâ€“mass spectrometry imaging of tissue micro-array. Analytical and Bioanalytical Chemistry, 2010, 397, 587-601.	1.9	112
4	MALDI-Ion Mobility Separation-Mass Spectrometry Imaging of Glucose-Regulated Protein 78 kDa (Grp78) in Human Formalin-Fixed, Paraffin-Embedded Pancreatic Adenocarcinoma Tissue Sections. Journal of Proteome Research, 2009, 8, 4876-4884.	1.8	110
5	Detergent addition to tryptic digests and ion mobility separation prior to MS/MS improves peptide yield and protein identification for in situ proteomic investigation of frozen and formalinâ€fixed paraffinâ€embedded adenocarcinoma tissue sections. Proteomics, 2009, 9, 2750-2763.	1.3	101
6	Small molecule MALDI MS imaging: Current technologies and future challenges. Methods, 2016, 104, 127-141.	1.9	63
7	Lipidomic Profiling of Clinical Prostate Cancer Reveals Targetable Alterations in Membrane Lipid Composition. Cancer Research, 2021, 81, 4981-4993.	0.4	43
8	Butanolysis Derivatization: Improved Sensitivity in LC-MS/MS Quantitation of Heparan Sulfate in Urine from Mucopolysaccharidosis Patients. Analytical Chemistry, 2015, 87, 9243-9250.	3.2	37
9	High-Spatial Resolution Matrix-Assisted Laser Desorption Ionization Imaging Analysis of Glucosylceramide in Spleen Sections from a Mouse Model of Gaucher Disease. Analytical Chemistry, 2010, 82, 3664-3670.	3.2	35
10	Eukaryotic elongation factor 2 kinase upregulates the expression of proteins implicated in cell migration and cancer cell metastasis. International Journal of Cancer, 2018, 142, 1865-1877.	2.3	32
11	Delivery of therapeutic protein for prevention of neurodegenerative changes: Comparison of different CSF-delivery methods. Experimental Neurology, 2015, 263, 79-90.	2.0	26
12	A simple method for early age phenotype confirmation using toe tissue from a mouse model of MPS IIIA. Rapid Communications in Mass Spectrometry, 2014, 28, 933-938.	0.7	25
13	Determination of the role of injection site on the efficacy of intra-CSF enzyme replacement therapy in MPS IIIA mice. Molecular Genetics and Metabolism, 2015, 115, 33-40.	0.5	23
14	Inbred Mouse Populations Exhibit Intergenerational Changes in Intestinal Microbiota Composition and Function Following Introduction to a Facility. Frontiers in Microbiology, 2017, 8, 608.	1.5	21
15	AAVrh10 Vector Corrects Disease Pathology in MPS IIIA Mice and Achieves Widespread Distribution of SGSH in Large Animal Brains. Molecular Therapy - Methods and Clinical Development, 2020, 17, 174-187.	1.8	21
16	Removal of optimal cutting temperature (O.C.T.) compound from embedded tissue for MALDI imaging of lipids. Analytical and Bioanalytical Chemistry, 2021, 413, 2695-2708.	1.9	21
17	To Make or Take: Bacterial Lipid Homeostasis during Infection. MBio, 2021, 12, e0092821.	1.8	19
18	Evaluation of enzyme dose and doseâ€frequency in ameliorating substrate accumulation in MPS IIIA Huntaway dog brain. Journal of Inherited Metabolic Disease, 2015, 38, 341-350.	1.7	18

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19	Disease stage determines the efficacy of treatment of a paediatric neurodegenerative disease. European Journal of Neuroscience, 2014, 39, 2139-2150.	1.2	16
20	Lowâ€dose, continuous enzyme replacement therapy ameliorates brain pathology in the neurodegenerative lysosomal disorder mucopolysaccharidosis type IIIA. Journal of Neurochemistry, 2016, 137, 409-422.	2.1	16
21	Glycosphingolipid analysis in a naturally occurring ovine model of acute neuronopathic Gaucher disease. Neurobiology of Disease, 2016, 91, 143-154.	2.1	16
22	Slow, continuous enzyme replacement via spinal CSF in dogs with the paediatricâ€onset neurodegenerative disease, MPS IIIA. Journal of Inherited Metabolic Disease, 2017, 40, 443-453.	1.7	16
23	Neuronal-specific impairment of heparan sulfate degradation in Drosophila reveals pathogenic mechanisms for Mucopolysaccharidosis type IIIA. Experimental Neurology, 2018, 303, 38-47.	2.0	16
24	The role of oxidised self-lipids and alveolar macrophage CD1b expression in COPD. Scientific Reports, 2021, 11, 4106.	1.6	15
25	Evaluation of Small Molecule Drug Uptake in Patient-Derived Prostate Cancer Explants by Mass Spectrometry. Scientific Reports, 2019, 9, 15008.	1.6	14
26	Reciprocal signaling between mTORC1 and MNK2 controls cell growth and oncogenesis. Cellular and Molecular Life Sciences, 2021, 78, 249-270.	2.4	14
27	Equivalent Carbon Number and Interclass Retention Time Conversion Enhance Lipid Identification in Untargeted Clinical Lipidomics. Analytical Chemistry, 2022, 94, 3476-3484.	3.2	14
28	Unravelling Prostate Cancer Heterogeneity Using Spatial Approaches to Lipidomics and Transcriptomics. Cancers, 2022, 14, 1702.	1.7	13
29	Low-dose, continual enzyme delivery ameliorates some aspects of established brain disease in a mouse model of a childhood-onset neurodegenerative disorder. Experimental Neurology, 2016, 278, 11-21.	2.0	12
30	MALDI-QTOFMS/MS identification of glycoforms from the urine of a CDG patient. Carbohydrate Research, 2008, 343, 2172-2183.	1.1	10
31	Synthetic Disaccharide Standards Enable Quantitative Analysis of Stored Heparan Sulfate in MPS IIIA Murine Brain Regions. ACS Chemical Neuroscience, 2019, 10, 3847-3858.	1.7	10
32	A novel conditional Sgsh knockout mouse model recapitulates phenotypic and neuropathic deficits of Sanfilippo syndrome. Journal of Inherited Metabolic Disease, 2017, 40, 715-724.	1.7	9
33	Evaluation of Disease Lesions in the Developing Canine MPS IIIA Brain. JIMD Reports, 2018, 43, 91-101.	0.7	9
34	Synthesis and mass spectrometric analysis of disaccharides from methanolysis of heparan sulfate. Organic and Biomolecular Chemistry, 2018, 16, 8791-8803.	1.5	6
35	Lysosomal N-acetyltransferase interacts with ALIX and is detected in extracellular vesicles. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1451-1464.	1.9	5
36	Increased Alveolar Heparan Sulphate and Reduced Pulmonary Surfactant Amount and Function in the Mucopolysaccharidosis IIIA Mouse. Cells, 2021, 10, 849.	1.8	5

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37	Is <scp>SGSH</scp> heterozygosity a risk factor for earlyâ€onset neurodegenerative disease?. Journal of Inherited Metabolic Disease, 2021, 44, 763-776.	1.7	4
38	Ion Mobility Separation Mass Spectrometry Imaging. Comprehensive Analytical Chemistry, 2019, , 237-257.	0.7	3
39	Is the eye a window to the brain in Sanfilippo syndrome?. Acta Neuropathologica Communications, 2020, 8, 194.	2.4	3
40	Developing a multivariable prediction model for functional outcome after reperfusion therapy for acute ischaemic stroke: study protocol for the Targeting Optimal Thrombolysis Outcomes (TOTO) multicentre cohort study. BMJ Open, 2020, 10, e038180.	0.8	3
41	MUCOPOLYSACCHARIDOSIS II (MPS II) IN A FREE-LIVING KAKA (NESTOR MERIDIONALIS) IN NEW ZEALAND. Journal of Wildlife Diseases, 2021, 57, 884-890.	0.3	2
42	Parallel postâ€source decay for increasing protein identification confidence levels from 2â€D gels. Proteomics, 2008, 8, 1771-1779.	1.3	1
43	FAST-IT: Find A Simple Test â€" In TIA (transient ischaemic attack): a prospective cohort study to develop a multivariable prediction model for diagnosis of TIA through proteomic discovery and candidate lipid mass spectrometry, neuroimaging and machine learningâ€"study protocol. BMJ Open, 2022, 12, e045908.	0.8	0