

Paul J Trim

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

704
citations

13
h-index

26
g-index

42
ext. papers

812
ext. citations

5
avg, IF

3.84
L-index

#	Paper	IF	Citations
39	Matrix-assisted laser desorption/ionization-ion mobility separation-mass spectrometry imaging of vinblastine in whole body tissue sections. <i>Analytical Chemistry</i> , 2008 , 80, 8628-34	7.8	171
38	Introduction of a 20 kHz Nd:YVO4 laser into a hybrid quadrupole time-of-flight mass spectrometer for MALDI-MS imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 397, 3409-19	4.4	71
37	Matrix-assisted laser desorption/ionisation mass spectrometry imaging of lipids in rat brain tissue with integrated unsupervised and supervised multivariate statistical analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 1503-9	2.2	69
36	Small molecule MALDI MS imaging: Current technologies and future challenges. <i>Methods</i> , 2016 , 104, 127-41	4.6	54
35	Butanolysis derivatization: improved sensitivity in LC-MS/MS quantitation of heparan sulfate in urine from mucopolysaccharidosis patients. <i>Analytical Chemistry</i> , 2015 , 87, 9243-50	7.8	32
34	A simple method for early age phenotype confirmation using toe tissue from a mouse model of MPS IIIA. <i>Rapid Communications in Mass Spectrometry</i> , 2014 , 28, 933-8	2.2	25
33	Delivery of therapeutic protein for prevention of neurodegenerative changes: comparison of different CSF-delivery methods. <i>Experimental Neurology</i> , 2015 , 263, 79-90	5.7	24
32	Imaging mass spectrometry for the assessment of drugs and metabolites in tissue. <i>Bioanalysis</i> , 2009 , 1, 309-19	2.1	23
31	Eukaryotic elongation factor 2 kinase upregulates the expression of proteins implicated in cell migration and cancer cell metastasis. <i>International Journal of Cancer</i> , 2018 , 142, 1865-1877	7.5	22
30	Determination of the role of injection site on the efficacy of intra-CSF enzyme replacement therapy in MPS IIIA mice. <i>Molecular Genetics and Metabolism</i> , 2015 , 115, 33-40	3.7	20
29	Instrumentation and software for mass spectrometry imaging--making the most of what you've got. <i>Journal of Proteomics</i> , 2012 , 75, 4931-4940	3.9	20
28	Evaluation of enzyme dose and dose-frequency in ameliorating substrate accumulation in MPS IIIA Huntaway dog brain. <i>Journal of Inherited Metabolic Disease</i> , 2015 , 38, 341-50	5.4	17
27	Inbred Mouse Populations Exhibit Intergenerational Changes in Intestinal Microbiota Composition and Function Following Introduction to a Facility. <i>Frontiers in Microbiology</i> , 2017 , 8, 608	5.7	15
26	Low-dose, continuous enzyme replacement therapy ameliorates brain pathology in the neurodegenerative lysosomal disorder mucopolysaccharidosis type IIIA. <i>Journal of Neurochemistry</i> , 2016 , 137, 409-22	6	13
25	Disease stage determines the efficacy of treatment of a paediatric neurodegenerative disease. <i>European Journal of Neuroscience</i> , 2014 , 39, 2139-50	3.5	12
24	Slow, continuous enzyme replacement via spinal CSF in dogs with the paediatric-onset neurodegenerative disease, MPS IIIA. <i>Journal of Inherited Metabolic Disease</i> , 2017 , 40, 443-453	5.4	11
23	Neuronal-specific impairment of heparan sulfate degradation in <i>Drosophila</i> reveals pathogenic mechanisms for Mucopolysaccharidosis type IIIA. <i>Experimental Neurology</i> , 2018 , 303, 38-47	5.7	11

22	Low-dose, continual enzyme delivery ameliorates some aspects of established brain disease in a mouse model of a childhood-onset neurodegenerative disorder. <i>Experimental Neurology</i> , 2016 , 278, 11-21	5.7	11
21	Evaluation of Small Molecule Drug Uptake in Patient-Derived Prostate Cancer Explants by Mass Spectrometry. <i>Scientific Reports</i> , 2019 , 9, 15008	4.9	10
20	AAVrh10 Vector Corrects Disease Pathology in MPS IIIA Mice and Achieves Widespread Distribution of SGSH in Large Animal Brains. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020 , 17, 174-187	6.4	10
19	A novel conditional Sgsh knockout mouse model recapitulates phenotypic and neuropathic deficits of Sanfilippo syndrome. <i>Journal of Inherited Metabolic Disease</i> , 2017 , 40, 715-724	5.4	8
18	Lipidomic Profiling of Clinical Prostate Cancer Reveals Targetable Alterations in Membrane Lipid Composition. <i>Cancer Research</i> , 2021 , 81, 4981-4993	10.1	8
17	Removal of optimal cutting temperature (O.C.T.) compound from embedded tissue for MALDI imaging of lipids. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 2695-2708	4.4	7
16	Evaluation of Disease Lesions in the Developing Canine MPS IIIA Brain. <i>JIMD Reports</i> , 2019 , 43, 91-101	1.9	6
15	Synthetic Disaccharide Standards Enable Quantitative Analysis of Stored Heparan Sulfate in MPS IIIA Murine Brain Regions. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 3847-3858	5.7	5
14	Reciprocal signaling between mTORC1 and MNK2 controls cell growth and oncogenesis. <i>Cellular and Molecular Life Sciences</i> , 2021 , 78, 249-270	10.3	5
13	Synthesis and mass spectrometric analysis of disaccharides from methanolysis of heparan sulfate. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 8791-8803	3.9	5
12	Lysosomal N-acetyltransferase interacts with ALIX and is detected in extracellular vesicles. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018 , 1865, 1451-1464	4.9	5
11	The role of oxidised self-lipids and alveolar macrophage CD1b expression in COPD. <i>Scientific Reports</i> , 2021 , 11, 4106	4.9	4
10	Rodent Whole-Body Sectioning and MALDI Mass Spectrometry Imaging. <i>Methods in Molecular Biology</i> , 2017 , 1618, 175-189	1.4	3
9	Increased Alveolar Heparan Sulphate and Reduced Pulmonary Surfactant Amount and Function in the Mucopolysaccharidosis IIIA Mouse. <i>Cells</i> , 2021 , 10,	7.9	3
8	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. <i>BMJ Open</i> , 2020 , 10, e038180	3	1
7	MUCOPOLYSACCHARIDOSIS II (MPS II) IN A FREE-LIVING KAKA (NESTOR MERIDIONALIS) IN NEW ZEALAND. <i>Journal of Wildlife Diseases</i> , 2021 , 57, 884-890	1.3	1
6	Is the eye a window to the brain in Sanfilippo syndrome?. <i>Acta Neuropathologica Communications</i> , 2020 , 8, 194	7.3	1
5	Is SGSH heterozygosity a risk factor for early-onset neurodegenerative disease?. <i>Journal of Inherited Metabolic Disease</i> , 2021 , 44, 763-776	5.4	1

- 4 Lysosomal gene displays haploinsufficiency in a knock-in mouse model of Alzheimer's disease.. *IBRO Neuroscience Reports*, **2022**, 12, 131-141 0
- 3 Retro Diels-Alder Fragmentation of Fulvene-Maleimide Bioconjugates for Mass Spectrometric Detection of Biomolecules. *Analytical Chemistry*, **2021**, 93, 12204-12212 7.8 0
- 2 Unravelling Prostate Cancer Heterogeneity Using Spatial Approaches to Lipidomics and Transcriptomics.. *Cancers*, **2022**, 14, 6.6 0
- 1 FAST-IT: implementation of 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 learning-study protocol.. *BMJ Open*, **2022**, 12, e045908 3