

# Jane Elizabeth Thomas-Oates

## List of Publications by Year in descending order

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Version: 2024-02-01

43  
papers

2,036  
citations

361413

20  
h-index

265206

42  
g-index

46  
all docs

46  
docs citations

46  
times ranked

3571  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ancient proteins resolve the evolutionary history of Darwin's South American ungulates. <i>Nature</i> , 2015, 522, 81-84.	27.8	273
2	Mass spectrometry-based plant metabolomics: Metabolite responses to abiotic stress. <i>Mass Spectrometry Reviews</i> , 2016, 35, 620-649.	5.4	254
3	Protein sequences bound to mineral surfaces persist into deep time. <i>ELife</i> , 2016, 5, .	6.0	176
4	Temporal and spatial variation in pharmaceutical concentrations in an urban river system. <i>Water Research</i> , 2018, 137, 72-85.	11.3	144
5	Enzymatic Shaving of the Tegument Surface of Live Schistosomes for Proteomic Analysis: A Rational Approach to Select Vaccine Candidates. <i>PLoS Neglected Tropical Diseases</i> , 2011, 5, e993.	3.0	129
6	Mass Spectrometric Determination of the Sites of O-Glycan Attachment with Low Picomolar Sensitivity. <i>Analytical Biochemistry</i> , 1998, 257, 149-160.	2.4	117
7	Hydrophilic interaction chromatography/electrospray mass spectrometry analysis of carbohydrate-related metabolites from <i>Arabidopsis thaliana</i> leaf tissue. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 1399-1407.	1.5	95
8	Quantification of sugars and sugar phosphates in <i>Arabidopsis thaliana</i> tissues using porous graphitic carbon liquid chromatography-electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1172, 170-178.	3.7	85
9	Polysaccharide-Derived Carbons for Polar Analyte Separations. <i>Advanced Functional Materials</i> , 2010, 20, 1834-1841.	14.9	82
10	Fast atom bombardment mass spectrometric strategies for characterizing carbohydrate-containing biopolymers. <i>Biological Mass Spectrometry</i> , 1988, 16, 19-24.	0.5	66
11	The effects of demineralisation and sampling point variability on the measurement of glutamine deamidation in type I collagen extracted from bone. <i>Journal of Archaeological Science</i> , 2016, 69, 29-38.	2.4	57
12	Filter-Aided N-Glycan Separation (FANGS): A Convenient Sample Preparation Method for Mass Spectrometric N-Glycan Profiling. <i>Journal of Proteome Research</i> , 2014, 13, 1167-1176.	3.7	54
13	Application of prioritization approaches to optimize environmental monitoring and testing of pharmaceuticals. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2018, 21, 115-141.	6.5	51
14	Exceptional preservation of a prehistoric human brain from Heslington, Yorkshire, UK. <i>Journal of Archaeological Science</i> , 2011, 38, 1641-1654.	2.4	38
15	GORAB scaffolds COPI at the trans-Golgi for efficient enzyme recycling and correct protein glycosylation. <i>Nature Communications</i> , 2019, 10, 127.	12.8	37
16	The N-Glycosylation Processing Potential of the Mammalian Golgi Apparatus. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 157.	3.7	33
17	Are exposure predictions, used for the prioritization of pharmaceuticals in the environment, fit for purpose?. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2823-2832.	4.3	33
18	Is it possible to identify ancient wine production using biomolecular approaches?. <i>Science and Technology of Archaeological Research</i> , 2020, 6, 16-29.	2.4	30

#	ARTICLE	IF	CITATIONS
19	A natural template approach to mesoporous carbon spheres for use as green chromatographic stationary phases. RSC Advances, 2014, 4, 222-228.	3.6	27
20	Modeling Glycan Processing Reveals Golgi-Enzyme Homeostasis upon Trafficking Defects and Cellular Differentiation. Cell Reports, 2019, 27, 1231-1243.e6.	6.4	24
21	A subcompatible rhizobium strain reveals infection duality in <i>Lotus</i> . Journal of Experimental Botany, 2019, 70, 1903-1913.	4.8	21
22	Mass Spectrometry of Carbohydrates: Newer Aspects. Advances in Carbohydrate Chemistry and Biochemistry, 2007, 61, 59-141.	0.9	19
23	Detection of opium alkaloids in a Cypriot base-ring juglet. Analyst, The, 2018, 143, 5127-5136.	3.5	17
24	Stored dolichyl pyrophosphoryl oligosaccharides in Batten disease. American Journal of Medical Genetics Part A, 1992, 42, 580-585.	2.4	15
25	Evaluation of a Novel Approach for Reducing Emissions of Pharmaceuticals to the Environment. Environmental Management, 2016, 58, 707-720.	2.7	14
26	Pinus pinaster Early Hormonal Defence Responses to Pinewood Nematode (Bursaphelenchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462	2.9	14
27	Polyamines are required for normal growth in Sinorhizobium meliloti. Microbiology (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 14	3.8	14
28	Five structural genes required for ceramide synthesis in <i>Caulobacter</i> and for bacterial survival. Environmental Microbiology, 2021, 23, 143-159.	3.8	13
29	Fast atom bombardment-mass spectrometry strategies for analysing glycoprotein glycans. Biochemical Society Transactions, 1989, 17, 243-245.	3.4	12
30	Glycan Profiling Shows Unvaried N-Glycomes in MSC Clones with Distinct Differentiation Potentials. Frontiers in Cell and Developmental Biology, 2016, 4, 52.	3.7	12
31	Effect of rate of pyrolysis on the textural properties of naturally-templated porous carbons from alginic acid. Journal of Analytical and Applied Pyrolysis, 2016, 121, 62-66.	5.5	12
32	One Filter, One Sample, and the <i>N</i> - and O-Glyco(proteo)me: Toward a System to Study Disorders of Protein Glycosylation. Analytical Chemistry, 2017, 89, 5840-5849.	6.5	12
33	Predictive framework for estimating exposure of birds to pharmaceuticals. Environmental Toxicology and Chemistry, 2017, 36, 2335-2344.	4.3	11
34	Ionisation bias undermines the use of matrix-assisted laser desorption/ionisation for estimating peptide deamidation: Synthetic peptide studies demonstrate electrospray ionisation gives more reliable response ratios. Rapid Communications in Mass Spectrometry, 2019, 33, 1049-1057.	1.5	9
35	Metabolomic Approaches to Studying the Response to Drought Stress in Corn ( <i>Zea mays</i> ) Cobs. Metabolites, 2021, 11, 438.	2.9	9
36	Alfalfa nodulation by <i>Sinorhizobium fredii</i> does not require sulfated Nod-factors. Functional Plant Biology, 2003, 30, 1219.	2.1	7

#	ARTICLE	IF	CITATIONS
37	Trehalose During Two Stress Responses in Acanthamoeba : Differentiation Between Encystation and Pseudocyst Formation. Protist, 2017, 168, 649-662.	1.5	6
38	Distinctive phytohormonal and metabolic profiles of Arabidopsis thaliana and Eutrema salsugineum under similar soil drying. Planta, 2019, 249, 1417-1433.	3.2	5
39	Mannitol is not involved in protective reactions of Acanthamoeba. Molecular and Biochemical Parasitology, 2012, 184, 118-121.	1.1	3
40	Pyrene Tags for the Detection of Carbohydrates by Label-Assisted Laser Desorption/Ionisation Mass Spectrometry**. ChemBioChem, 2021, 22, 1430-1439.	2.6	3
41	A conscious rethink: Why is brain tissue commonly preserved in the archaeological record? Commentary on: Petrone P, Pucci P, Niola M, et al. Heat-induced brain vitrification from the Vesuvius eruption in C.E. 79. N Engl J Med 2020;382:383-4. DOI: 10.1056/NEJMc1909867. Science and Technology of Archaeological Research, 2020, 6, 87-95.	2.4	2
42	Surface Shave: Revealing the Apical-Restricted Uroglycome. Journal of Proteome Research, 2022, 21, 360-374.	3.7	1
43	Fabrication and Application of Isotopically Labelled Gold Arrays for Multiplexed Peptide Analysis. ChemBioChem, 2016, 17, 2007-2011.	2.6	0