

Jane Elizabeth Thomas-Oates

List of Publications by Year in descending order

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43
papers

2,036
citations

361413
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46
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docs citations

46
times ranked

3571
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Shave: Revealing the Apical-Restricted Uroglycome. <i>Journal of Proteome Research</i> , 2022, 21, 360-374.	3.7	1
2	Five structural genes required for ceramide synthesis in <i>Caulobacter</i> and for bacterial survival. <i>Environmental Microbiology</i> , 2021, 23, 143-159.	3.8	13
3	Pyrene Tags for the Detection of Carbohydrates by Label-Assisted Laser Desorption/Ionisation Mass Spectrometry**. <i>ChemBioChem</i> , 2021, 22, 1430-1439.	2.6	3
4	<i>Pinus pinaster</i> Early Hormonal Defence Responses to Pinewood Nematode (<i>Bursaphelenchus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	2.9	14
5	Metabolomic Approaches to Studying the Response to Drought Stress in Corn (<i>Zea mays</i>) Cobs. <i>Metabolites</i> , 2021, 11, 438.	2.9	9
6	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. <i>N Engl J Med</i> 2020;382:383-4. DOI: 10.1056/NEJMc1909867. <i>Science and Technology of Archaeological Research</i> , 2020, 6, 87-95.	2.4	2
7	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
8	The N-Glycosylation Processing Potential of the Mammalian Golgi Apparatus. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 157.	3.7	33
9	Distinctive phytohormonal and metabolic profiles of <i>Arabidopsis thaliana</i> and <i>Eutrema salsugineum</i> under similar soil drying. <i>Planta</i> , 2019, 249, 1417-1433.	3.2	5
10	Modeling Glycan Processing Reveals Golgi-Enzyme Homeostasis upon Trafficking Defects and Cellular Differentiation. <i>Cell Reports</i> , 2019, 27, 1231-1243.e6.	6.4	24
11	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. <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 1049-1057.	1.5	9
12	A subcompatible rhizobium strain reveals infection duality in <i>Lotus</i> . <i>Journal of Experimental Botany</i> , 2019, 70, 1903-1913.	4.8	21
13	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
14	Temporal and spatial variation in pharmaceutical concentrations in an urban river system. <i>Water Research</i> , 2018, 137, 72-85.	11.3	144
15	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
16	Detection of opium alkaloids in a Cypriot base-ring juglet. <i>Analyst, The</i> , 2018, 143, 5127-5136.	3.5	17
17	Polyamines are required for normal growth in <i>Sinorhizobium meliloti</i> . <i>Microbiology (United)</i> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.8	14
18	Predictive framework for estimating exposure of birds to pharmaceuticals. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2335-2344.	4.3	11

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19	One Filter, One Sample, and the <i>N</i> - and O-Glyco(proteo)me: Toward a System to Study Disorders of Protein Glycosylation. <i>Analytical Chemistry</i> , 2017, 89, 5840-5849.	6.5	12
20	Trehalose During Two Stress Responses in <i>Acanthamoeba</i> : Differentiation Between Encystation and Pseudocyst Formation. <i>Protist</i> , 2017, 168, 649-662.	1.5	6
21	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
22	Glycan Profiling Shows Unvaried N-Glycomes in MSC Clones with Distinct Differentiation Potentials. <i>Frontiers in Cell and Developmental Biology</i> , 2016, 4, 52.	3.7	12
23	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
24	Fabrication and Application of Isotopically Labeled Gold Arrays for Multiplexed Peptide Analysis. <i>ChemBioChem</i> , 2016, 17, 2007-2011.	2.6	0
25	Effect of rate of pyrolysis on the textural properties of naturally-templated porous carbons from alginic acid. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 121, 62-66.	5.5	12
26	Evaluation of a Novel Approach for Reducing Emissions of Pharmaceuticals to the Environment. <i>Environmental Management</i> , 2016, 58, 707-720.	2.7	14
27	Mass spectrometry-based plant metabolomics: Metabolite responses to abiotic stress. <i>Mass Spectrometry Reviews</i> , 2016, 35, 620-649.	5.4	254
28	Protein sequences bound to mineral surfaces persist into deep time. <i>ELife</i> , 2016, 5, .	6.0	176
29	Ancient proteins resolve the evolutionary history of Darwin's South American ungulates. <i>Nature</i> , 2015, 522, 81-84.	27.8	273
30	A natural template approach to mesoporous carbon spheres for use as green chromatographic stationary phases. <i>RSC Advances</i> , 2014, 4, 222-228.	3.6	27
31	Filter-Aided <i>N</i> -Glycan Separation (FANGS): A Convenient Sample Preparation Method for Mass Spectrometric <i>N</i> -Glycan Profiling. <i>Journal of Proteome Research</i> , 2014, 13, 1167-1176.	3.7	54
32	Mannitol is not involved in protective reactions of <i>Acanthamoeba</i> . <i>Molecular and Biochemical Parasitology</i> , 2012, 184, 118-121.	1.1	3
33	Exceptional preservation of a prehistoric human brain from Heslington, Yorkshire, UK. <i>Journal of Archaeological Science</i> , 2011, 38, 1641-1654.	2.4	38
34	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
35	Polysaccharide-Derived Carbons for Polar Analyte Separations. <i>Advanced Functional Materials</i> , 2010, 20, 1834-1841.	14.9	82
36	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

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37	Mass Spectrometry of Carbohydrates: Newer Aspects. <i>Advances in Carbohydrate Chemistry and Biochemistry</i> , 2007, 61, 59-141.	0.9	19
38	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
39	Alfalfa nodulation by <i>Sinorhizobium fredii</i> does not require sulfated Nod-factors. <i>Functional Plant Biology</i> , 2003, 30, 1219.	2.1	7
40	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
41	Stored dolichyl pyrophosphoryl oligosaccharides in Batten disease. <i>American Journal of Medical Genetics Part A</i> , 1992, 42, 580-585.	2.4	15
42	Fast atom bombardment-mass spectrometry strategies for analysing glycoprotein glycans. <i>Biochemical Society Transactions</i> , 1989, 17, 243-245.	3.4	12
43	Fast atom bombardment mass spectrometric strategies for characterizing carbohydrate-containing biopolymers. <i>Biological Mass Spectrometry</i> , 1988, 16, 19-24.	0.5	66