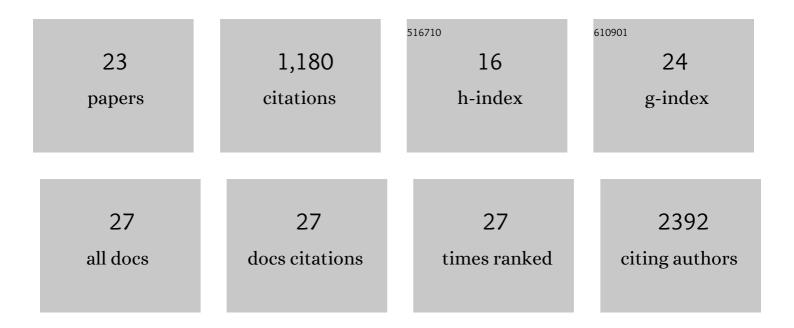
## Timothy D J Knowles

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9513408/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	The Beaker phenomenon and the genomic transformation of northwest Europe. Nature, 2018, 555, 190-196.	27.8	503
2	Source Apportionment of Polycyclic Aromatic Hydrocarbons in Central European Soils with Compound-Specific Triple Isotopes (δ <sup>13</sup> C, Δ <sup>14</sup> C, and δ <sup>2</sup> H). Environmental Science & Technology, 2015, 49, 7657-7665.	10.0	64
3	Dual Carbon–Chlorine Stable Isotope Investigation of Sources and Fate of Chlorinated Ethenes in Contaminated Groundwater. Environmental Science & Technology, 2012, 46, 10918-10925.	10.0	61
4	Carbon and Chlorine Isotope Fractionation During Microbial Degradation of Tetra- and Trichloroethene. Environmental Science & amp; Technology, 2013, 47, 6449-6456.	10.0	60
5	Tracing the rate and extent of N and C flow from 13C,15N-glycine and glutamate into individual de novo synthesised soil amino acids. Organic Geochemistry, 2010, 41, 1259-1268.	1.8	54
6	Accurate compound-specific 14C dating of archaeological pottery vessels. Nature, 2020, 580, 506-510.	27.8	52
7	Practical considerations in the determination of compoundâ€specific amino acid δ <sup>15</sup> N values in animal and plant tissues by gas chromatographyâ€combustionâ€isotope ratio mass spectrometry, following derivatisation to their <i>N</i> â€acetylisopropyl esters. Rapid Communications in Mass Spectrometry. 2012. 26. 2328-2334.	1.5	46
8	Co-liquefaction of Macroalgae with Common Marine Plastic Pollutants. ACS Sustainable Chemistry and Engineering, 2019, 7, 6769-6781.	6.7	41
9	Practical Considerations in High-Precision Compound-Specific Radiocarbon Analyses: Eliminating the Effects of Solvent and Sample Cross-Contamination on Accuracy and Precision. Analytical Chemistry, 2018, 90, 11025-11032.	6.5	39
10	Cretaceous dinosaur bone contains recent organic material and provides an environment conducive to microbial communities. ELife, 2019, 8, .	6.0	38
11	Kinship and social organization in Copper Age Europe. A cross-disciplinary analysis of archaeology, DNA, isotopes, and anthropology from two Bell Beaker cemeteries. PLoS ONE, 2020, 15, e0241278.	2.5	35
12	Living off the land: Terrestrial-based diet and dairying in the farming communities of the Neolithic Balkans. PLoS ONE, 2020, 15, e0237608.	2.5	21
13	Tree-rings reveal two strong solar proton events in 7176 and 5259 BCE. Nature Communications, 2022, 13, 1196.	12.8	21
14	Rapid shifts in circulation and biogeochemistry of the Southern Ocean during deglacial carbon cycle events. Science Advances, 2020, 6, .	10.3	20
15	The age of ambergris. Natural Product Research, 2019, 33, 3134-3142.	1.8	17
16	Use of a 700 MHz NMR Microcryoprobe for the Identification and Quantification of Exogenous Carbon in Compounds Purified by Preparative Capillary Gas Chromatography for Radiocarbon Determinations. Analytical Chemistry, 2017, 89, 7090-7098.	6.5	16
17	Persistently well-ventilated intermediate-depth ocean through the last deglaciation. Nature Geoscience, 2020, 13, 733-738.	12.9	15
18	Radiocarbon Sample Preparation Procedures and the First Status Report from the Bristol Radiocarbon AMS (BRAMS) Facility. Radiocarbon, 2019, 61, 1541-1550.	1.8	12

#	Article	IF	CITATIONS
19	COMPOUND-SPECIFIC RADIOCARBON, STABLE CARBON ISOTOPE AND BIOMARKER ANALYSIS OF MIXED MARINE/TERRESTRIAL LIPIDS PRESERVED IN ARCHAEOLOGICAL POTTERY VESSELS. Radiocarbon, 2020, 62, 1679-1697.	1.8	10
20	Compound-specific radiocarbon dating of lipid residues in pottery vessels: A new approach for detecting the exploitation of marine resources. Journal of Archaeological Science, 2022, 137, 105528.	2.4	10
21	Development of Alditol Acetate Derivatives for the Determination of <sup>15</sup> N-Enriched Amino Sugars by Gas Chromatography–Combustion–Isotope Ratio Mass Spectrometry. Analytical Chemistry, 2019, 91, 3397-3404.	6.5	8
22	Anta 1 de Val da Laje – the first direct view of diet, dairying practice and socio-economic aspects of pottery use in the final Neolithic of central Portugal. Quaternary International, 2020, 542, 1-8.	1.5	6
23	GENERATION OF TWO NEW RADIOCARBON STANDARDS FOR COMPOUND-SPECIFIC RADIOCARBON ANALYSES OF FATTY ACIDS FROM BOG BUTTER FINDS. Radiocarbon, 2021, 63, 771-783.	1.8	4