

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

23
papers

1,180
citations

516710

16
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

2392
citing authors

#	ARTICLE	IF	CITATIONS
1	The Beaker phenomenon and the genomic transformation of northwest Europe. <i>Nature</i> , 2018, 555, 190-196.	27.8	503
2	Source Apportionment of Polycyclic Aromatic Hydrocarbons in Central European Soils with Compound-Specific Triple Isotopes ($\delta^{13}\text{C}$, $\delta^{14}\text{C}$, and $\delta^2\text{H}$). <i>Environmental Science & Technology</i> , 2015, 49, 7657-7665.	10.0	64
3	Dual Carbon-Chlorine Stable Isotope Investigation of Sources and Fate of Chlorinated Ethenes in Contaminated Groundwater. <i>Environmental Science & Technology</i> , 2012, 46, 10918-10925.	10.0	61
4	Carbon and Chlorine Isotope Fractionation During Microbial Degradation of Tetra- and Trichloroethene. <i>Environmental Science & Technology</i> , 2013, 47, 6449-6456.	10.0	60
5	Tracing the rate and extent of N and C flow from ^{13}C , ^{15}N -glycine and glutamate into individual de novo synthesised soil amino acids. <i>Organic Geochemistry</i> , 2010, 41, 1259-1268.	1.8	54
6	Accurate compound-specific ^{14}C dating of archaeological pottery vessels. <i>Nature</i> , 2020, 580, 506-510.	27.8	52
7	Practical considerations in the determination of compound-specific amino acid $\delta^{15}\text{N}$ values in animal and plant tissues by gas chromatography-combustion-isotope ratio mass spectrometry, following derivatisation to their <i>N</i> -acetylisopropyl esters. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2328-2334.	1.5	46
8	Co-liquefaction of Macroalgae with Common Marine Plastic Pollutants. <i>ACS Sustainable Chemistry and Engineering</i> , 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. <i>Analytical Chemistry</i> , 2018, 90, 11025-11032.	6.5	39
10	Cretaceous dinosaur bone contains recent organic material and provides an environment conducive to microbial communities. <i>ELife</i> , 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. <i>PLoS ONE</i> , 2020, 15, e0241278.	2.5	35
12	Living off the land: Terrestrial-based diet and dairying in the farming communities of the Neolithic Balkans. <i>PLoS ONE</i> , 2020, 15, e0237608.	2.5	21
13	Tree-rings reveal two strong solar proton events in 7176 and 5259 BCE. <i>Nature Communications</i> , 2022, 13, 1196.	12.8	21
14	Rapid shifts in circulation and biogeochemistry of the Southern Ocean during deglacial carbon cycle events. <i>Science Advances</i> , 2020, 6, .	10.3	20
15	The age of ambergris. <i>Natural Product Research</i> , 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. <i>Analytical Chemistry</i> , 2017, 89, 7090-7098.	6.5	16
17	Persistently well-ventilated intermediate-depth ocean through the last deglaciation. <i>Nature Geoscience</i> , 2020, 13, 733-738.	12.9	15
18	Radiocarbon Sample Preparation Procedures and the First Status Report from the Bristol Radiocarbon AMS (BRAMS) Facility. <i>Radiocarbon</i> , 2019, 61, 1541-1550.	1.8	12

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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 ¹⁵ 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