

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
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27
all docs

27
docs citations

27
times ranked

2392
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Compound-specific radiocarbon dating of lipid residues in pottery vessels: A new approach for detecting the exploitation of marine resources. <i>Journal of Archaeological Science</i> , 2022, 137, 105528. | 2.4 | 10 |
| 2 | Tree-rings reveal two strong solar proton events in 7176 and 5259 BCE. <i>Nature Communications</i> , 2022, 13, 1196. | 12.8 | 21 |
| 3 | GENERATION OF TWO NEW RADIOCARBON STANDARDS FOR COMPOUND-SPECIFIC RADIOCARBON ANALYSES OF FATTY ACIDS FROM BOG BUTTER FINDS. <i>Radiocarbon</i> , 2021, 63, 771-783. | 1.8 | 4 |
| 4 | Rapid shifts in circulation and biogeochemistry of the Southern Ocean during deglacial carbon cycle events. <i>Science Advances</i> , 2020, 6, . | 10.3 | 20 |
| 5 | Persistently well-ventilated intermediate-depth ocean through the last deglaciation. <i>Nature Geoscience</i> , 2020, 13, 733-738. | 12.9 | 15 |
| 6 | 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 |
| 7 | COMPOUND-SPECIFIC RADIOCARBON, STABLE CARBON ISOTOPE AND BIOMARKER ANALYSIS OF MIXED MARINE/TERRESTRIAL LIPIDS PRESERVED IN ARCHAEOLOGICAL POTTERY VESSELS. <i>Radiocarbon</i> , 2020, 62, 1679-1697. | 1.8 | 10 |
| 8 | 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. <i>Quaternary International</i> , 2020, 542, 1-8. | 1.5 | 6 |
| 9 | Accurate compound-specific ¹⁴ C dating of archaeological pottery vessels. <i>Nature</i> , 2020, 580, 506-510. | 27.8 | 52 |
| 10 | 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 |
| 11 | 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 |
| 12 | Co-liquefaction of Macroalgae with Common Marine Plastic Pollutants. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6769-6781. | 6.7 | 41 |
| 13 | Development of Alditol Acetate Derivatives for the Determination of ¹⁵ N-Enriched Amino Sugars by Gas Chromatography-Combustion-Isotope Ratio Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 3397-3404. | 6.5 | 8 |
| 14 | The age of ambergris. <i>Natural Product Research</i> , 2019, 33, 3134-3142. | 1.8 | 17 |
| 15 | Cretaceous dinosaur bone contains recent organic material and provides an environment conducive to microbial communities. <i>ELife</i> , 2019, 8, . | 6.0 | 38 |
| 16 | The Beaker phenomenon and the genomic transformation of northwest Europe. <i>Nature</i> , 2018, 555, 190-196. | 27.8 | 503 |
| 17 | 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 |
| 18 | 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 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | 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 |
| 20 | Carbon and Chlorine Isotope Fractionation During Microbial Degradation of Tetra- and Trichloroethene. <i>Environmental Science & Technology</i> , 2013, 47, 6449-6456. | 10.0 | 60 |
| 21 | 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> -acetylpropyl esters. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2328-2334. | 1.5 | 46 |
| 22 | 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 |
| 23 | 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 |