

# Malte Willmes

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1789381/publications.pdf>

Version: 2024-02-01

35  
papers

789  
citations

623188

14  
h-index

525886

27  
g-index

44  
all docs

44  
docs citations

44  
times ranked

950  
citing authors

#	ARTICLE	IF	CITATIONS
1	A bioavailable strontium isoscape for Western Europe: A machine learning approach. PLoS ONE, 2018, 13, e0197386.	1.1	115
2	Mapping of bioavailable strontium isotope ratios in France for archaeological provenance studies. Applied Geochemistry, 2018, 90, 75-86.	1.4	109
3	Improvement of laser ablation in situ micro-analysis to identify diagenetic alteration and measure strontium isotope ratios in fossil human teeth. Journal of Archaeological Science, 2016, 70, 102-116.	1.2	71
4	The IRHUM (Isotopic Reconstruction of Human Migration) database – bioavailable strontium isotope ratios for geochemical fingerprinting in France. Earth System Science Data, 2014, 6, 117-122.	3.7	60
5	Complex life histories discovered in a critically endangered fish. Scientific Reports, 2019, 9, 16772.	1.6	45
6	Surface age of the ice – dust mantle deposit in Malea Planum, Mars. Planetary and Space Science, 2012, 60, 199-206.	0.9	42
7	Sampling Plants and Malacofauna in $^{87}\text{Sr}/^{86}\text{Sr}$ Bioavailability Studies: Implications for Isoscape Mapping and Reconstructing of Past Mobility Patterns. Frontiers in Ecology and Evolution, 2020, 8, .	1.1	38
8	Laser ablation depth profiling of U-series and Sr isotopes in human fossils. Journal of Archaeological Science, 2013, 40, 2991-3000.	1.2	30
9	A strontium isoscape of north-east Australia for human provenance and repatriation. Geoarchaeology - an International Journal, 2019, 34, 231-251.	0.7	28
10	Calibrating temperature reconstructions from fish otolith oxygen isotope analysis for California's critically endangered Delta Smelt. Rapid Communications in Mass Spectrometry, 2019, 33, 1207-1220.	0.7	26
11	$^{87}\text{Sr}/^{86}\text{Sr}$ isotope ratio analysis by laser ablation MC-ICP-MS in scales, spines, and fin rays as a nonlethal alternative to otoliths for reconstructing fish life history. Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1852-1860.	0.7	23
12	The distribution of megablocks in the Ries crater, Germany: Remote sensing, field investigation, and statistical analyses. Meteoritics and Planetary Science, 2015, 50, 141-171.	0.7	22
13	Fishery collapse, recovery, and the cryptic decline of wild salmon on a major California river. Canadian Journal of Fisheries and Aquatic Sciences, 2018, 75, 1836-1848.	0.7	22
14	Rocks, teeth, and tools: New insights into early Neanderthal mobility strategies in South-Eastern France from lithic reconstructions and strontium isotope analysis. PLoS ONE, 2019, 14, e0214925.	1.1	18
15	Validating Fin Ray Microchemistry as a Tool to Reconstruct the Migratory History of White Sturgeon. Transactions of the American Fisheries Society, 2017, 146, 844-857.	0.6	15
16	IsoFishR: An application for reproducible data reduction and analysis of strontium isotope ratios ( $^{87}\text{Sr}/^{86}\text{Sr}$ ) obtained via laser-ablation MC-ICP-MS. PLoS ONE, 2018, 13, e0204519.	1.1	15
17	Newly discovered spawning and recruitment of threatened Longfin Smelt in restored and underexplored tidal wetlands. Ecology, 2020, 101, e02868.	1.5	15
18	New Insights into Mesolithic Human Diet in the Mediterranean from Stable Isotope Analysis: The Sites of Campu Stefanu and Torre d'Aquila, Corsica. International Journal of Osteoarchaeology, 2017, 27, 707-714.	0.6	14

#	ARTICLE	IF	CITATIONS
19	A large-scale environmental strontium isotope baseline map of Portugal for archaeological and paleoecological provenance studies. <i>Journal of Archaeological Science</i> , 2022, 142, 105595.	1.2	13
20	Otolith-based approaches indicate strong effects of environmental variation on growth of a Critically Endangered estuarine fish. <i>Marine Ecology - Progress Series</i> , 2021, 676, 37-56.	0.9	11
21	Geochemical Tools Identify the Origins of Chinook Salmon Returning to a Restored Creek. <i>Fisheries</i> , 2021, 46, 22-32.	0.6	9
22	Bioavailable soil and rock strontium isotope data from Israel. <i>Earth System Science Data</i> , 2020, 12, 3641-3652.	3.7	7
23	Geologic variability of conodont strontium isotopic composition quantified by laser ablation multiple collection inductively coupled plasma mass spectrometry. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 568, 110308.	1.0	5
24	A comprehensive chronology of the Neanderthal site Moula-Guercy, Ardèche, France. <i>Journal of Archaeological Science: Reports</i> , 2016, 9, 309-319.	0.2	4
25	Who's been using my burial mound? Radiocarbon dating and isotopic tracing of human diet and mobility at the collective burial site, Le Tumulus des Sables, southwest France. <i>Journal of Archaeological Science: Reports</i> , 2019, 24, 955-966.	0.2	4
26	Ontogenetic patterns in the calcification and element incorporation in fin rays of age-0 White Sturgeon. <i>Environmental Biology of Fishes</i> , 2020, 103, 1401-1418.	0.4	4
27	Experimental validation of otolith-based age and growth reconstructions across multiple life stages of a critically endangered estuarine fish. <i>PeerJ</i> , 2021, 9, e12280.	0.9	4
28	Spatial Heterogeneity in Prey Availability, Feeding Success, and Dietary Selectivity for the Threatened Longfin Smelt. <i>Estuaries and Coasts</i> , 2022, 45, 1766-1779.	1.0	4
29	Polygenic discrimination of migratory phenotypes in an estuarine forage fish. <i>G3: Genes, Genomes, Genetics</i> , 2022, 12, .	0.8	4
30	Silicon Valley's Threatened Longfin Smelt: Evidence of Spawning And Recruitment in A Restored Tidal Wetland. <i>Bulletin of the Ecological Society of America</i> , 2020, 101, e01628.	0.2	2
31	The Clever Strategies That Fishes Use to Survive in San Francisco's Dynamic Estuary. <i>Frontiers for Young Minds</i> , 0, 9, .	0.8	2
32	Biogeochemical processes create distinct isotopic fingerprints to track floodplain rearing of juvenile salmon. <i>PLoS ONE</i> , 2021, 16, e0257444.	1.1	2
33	Diversity in Habitat Use by White Sturgeon Revealed Using Fin Ray Geochemistry. <i>Frontiers in Marine Science</i> , 2022, 9, .	1.2	1
34	Back Cover Image. <i>Geoarchaeology - an International Journal</i> , 2019, 34, ii.	0.7	0
35	The Secrets in our Teeth. <i>Frontiers for Young Minds</i> , 0, 10, .	0.8	0