Henry P Schwarcz

List of Publications by Year
in descending order

83 papers	6,205 citations	81900 39 h-index	74163 75 g-index
85 all docs	85 docs citations	85 times ranked	4581 citing authors

#	Article	IF	Citations
1	Stable isotope analyses in human nutritional ecology. American Journal of Physical Anthropology, 1991, 34, 283-321.	2.1	480
2	Fractionation of carbon and oxygen isotopes and magnesium between coexisting metamorphic calcite and dolomite. Contributions To Mineralogy and Petrology, 1970, 26, 161-198.	3.1	412
3	Stable carbon and oxygen isotopes in human tooth enamel: Identifying breastfeeding and weaning in prehistory. American Journal of Physical Anthropology, 1998, 106, 1-18.	2.1	375
4	Infrared and Isotopic Evidence for Diagenesis of Bone Apatite at Dos Pilas, Guatemala: Palaeodietary Implications. Journal of Archaeological Science, 1996, 23, 933-944.	2.4	312
5	The Mesolithic-Neolithic Transition in Portugal: Isotopic and Dental Evidence of Diet. Journal of Archaeological Science, 1994, 21, 201-216.	2.4	290
6	Some theoretical aspects of isotope paleodiet studies. Journal of Archaeological Science, 1991, 18, 261-275.	2.4	281
7	Early Homo and associated artefacts from Asia. Nature, 1995, 378, 275-278.	27.8	220
8	Isotopic evidence for age-related immigration to imperial Rome. American Journal of Physical Anthropology, 2007, 132, 510-519.	2.1	211
9	Stable isotopes in human skeletons of Southern Ontario: reconstructing Palaeodiet. Journal of Archaeological Science, 1985, 12, 187-206.	2.4	192
10	Continental Oxygen Isotopic Record of the Last 170,000 Years in Jerusalem. Quaternary Research, 1999, 51, 317-327.	1.7	189
11	Isotopic paleodiet studies of skeletons from the Imperial Roman-age cemetery of Isola Sacra, Rome, Italy. Journal of Archaeological Science, 2004, 31, 259-272.	2.4	183
12	A Model for the Ultrastructure of Bone Based on Electron Microscopy of Ion-Milled Sections. PLoS ONE, 2012, 7, e29258.	2.5	171
13	Infant feeding and weaning practices in Roman Egypt. American Journal of Physical Anthropology, 2001, 115, 204-212.	2.1	164
14	Temporal trends in stable isotopes for Nubian mummy tissues. American Journal of Physical Anthropology, 1994, 93, 165-187.	2.1	127
15	Stable Isotope Evidence for Maize Horticulture and Paleodiet in Southern Ontario, Canada. American Antiquity, 1995, 60, 335-350.	1.1	122
16	A reconstruction of Quaternary pluvial environments and human occupations using stratigraphy and geochronology of fossil-spring tufas, Kharga Oasis, Egypt. Geoarchaeology - an International Journal, 2004, 19, 407-439.	1.5	121
17	Rapid climate change in the North Atlantic during the Younger Dryas recorded by deep-sea corals. Nature, 1997, 386, 818-820.	27.8	108
18	Late Pleistocene Sea Level History of Bermuda. Quaternary Research, 1978, 9, 205-218.	1.7	105

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19	Isotopic evidence for age-related variation in diet from Isola Sacra, Italy. American Journal of Physical Anthropology, 2005, 128, 2-13.	2.1	102
20	Marine and Terrestrial Protein in Prehistoric Diets on the British Columbia Coast. Current Anthropology, 1983, 24, 396-398.	1.6	92
21	Marine-based Subsistence Trends and the Stable Isotope Analysis of Dog Bones from Namu, British Columbia. Journal of Archaeological Science, 1999, 26, 399-407.	2.4	89
22	Stable isotopic evidence for diet in a Roman and Late Roman population from Leptiminus, Tunisia. Journal of Archaeological Science, 2009, 36, 51-63.	2.4	87
23	Dark-field transmission electron microscopy of cortical bone reveals details of extrafibrillar crystals. Journal of Structural Biology, 2014, 188, 240-248.	2.8	86
24	Late Pleistocene Paleoclimates of North America as Inferred from Stable Isotope Studies of Speleothems. Quaternary Research, 1978, 9, 54-70.	1.7	79
25	Intensive Agriculture, Social Status, and Maya Diet at Pacbitun, Belize. Journal of Anthropological Research, 1993, 49, 347-375.	0.1	78
26	ISOTOPES IN SPELEOTHEMS. , 2006, , 185-225.		73
27	Causes of colour and fluorescence in speleothems. Chemical Geology, 2001, 175, 319-341.	3.3	72
28	You are not what you eat during physiological stress: Isotopic evaluation of human hair. American Journal of Physical Anthropology, 2015, 157, 374-388.	2.1	65
29	Uranium series dating of travertine from archaeological sites, Nahal Zin, Israel. Nature, 1979, 277, 558-560.	27.8	63
30	Electron Spin Resonance Dating of the Pleistocene Coral Reef Tracts of Barbados. Quaternary Research, 1988, 29, 197-215.	1.7	62
31	A New Method for Determination of Postmortem Interval: Citrate Content of Bone*. Journal of Forensic Sciences, 2010, 55, 1516-1522.	1.6	59
32	Ultrastructure of Bone: Hierarchical Features from Nanometer to Micrometer Scale Revealed in Focused Ion Beam Sections in the TEM. Calcified Tissue International, 2018, 103, 606-616.	3.1	59
33	The Ultrastructure of Bone and Its Relevance to Mechanical Properties. Frontiers in Physics, 2017, 5, .	2.1	57
34	An absolute paleotemperature record from 10 to 6Ka inferred from fluid inclusion D/H ratios of a stalagmite from Vancouver Island, British Columbia, Canada. Geochimica Et Cosmochimica Acta, 2008, 72, 1014-1026.	3.9	50
35	A palaeotemperature record for the mid-Wisconsin in Vancouver Island. Nature, 1980, 285, 474-476.	27.8	49
36	Scanning transmission electron microscopic tomography of cortical bone using Z-contrast imaging. Micron, 2013, 49, 46-53.	2.2	47

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37	Isoscapes to Address Largeâ€Scale Earth Science Challenges. Eos, 2009, 90, 109-110.	0.1	45
38	Evidence for a âˆ¼200â€“100Âka meteorite impact in the Western Desert of Egypt. Earth and Planetary Science Letters, 2007, 253, 378-388.	4.4	44
39	Stable carbon isotope signature of ancient maize agriculture in the soils of Motul de San JosÃ©, Guatemala. Geoarchaeology - an International Journal, 2007, 22, 291-312.	1.5	40
40	The skeletal structure of Desmophyllum cristagalli: the use of deep-water corals in sclerochronology. Lethaia, 2007, 32, 119-130.	1.4	40
41	The ultrastructure of bone as revealed in electron microscopy of ion-milled sections. Seminars in Cell and Developmental Biology, 2015, 46, 44-50.	5.0	40
42	Rates of cave and landform development in the Yorkshire Dales from speleothem age data. Earth Surface Processes and Landforms, 1983, 8, 557-568.	2.5	39
43	Current challenges to ESR dating. Quaternary Science Reviews, 1994, 13, 601-605.	3.0	39
44	Changes of 2H and 18O enrichment of meteoric water and Pleistocene glaciation. Nature, 1981, 290, 125-128.	27.8	37
45	Inter-site variability in the season of shellfish collection on the central coast of British Columbia. Journal of Archaeological Science, 2013, 40, 626-636.	2.4	35
46	Seasonal variability in organic substances in surface and cave waters at Marengo Cave, Indiana. Hydrological Processes, 2000, 14, 1177-1197.	2.6	34
47	Late Pleistocene paleoclimate in the Black Hills of South Dakota from isotope records in speleothems. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 203, 1-17.	2.3	34
48	The Dakhleh Glass: Product of an impact airburst or cratering event in the Western Desert of Egypt?. Meteoritics and Planetary Science, 2008, 43, 2089-2107.	1.6	33
49	Mapping the origins of Imperial Roman workers (1stâ€“4th century CE) at Vagnari, Southern Italy, using ⁸⁷Sr/⁸⁶Sr and Î´¹⁸O variability. American Journal of Physical Anthropology, 2018, 166, 837-850.	2.1	30
50	Patterns of isotopic disequilibria in azooxanthellate coral skeletons. Hydrobiologia, 2002, 471, 111-115.	2.0	24
51	Multiâ€proxy geoarchaeological study redefines understanding of the paleocoastlines and ancient harbours of Liman Tepe (Iskele, Turkey). Terra Nova, 2009, 21, 97-104.	2.1	24
52	230Th/234U age of a Mousterian site in France. Nature, 1983, 301, 236-237.	27.8	23
53	Organic substances in cave drip waters: studies from Marengo Cave, Indiana. Canadian Journal of Earth Sciences, 2002, 39, 279-284.	1.3	22
54	Coygan Cave, Laugharne, South Wales, a Mousterian Site and Hyaena Den: a Report on the University of Cambridge Excavations. Proceedings of the Prehistoric Society, London, 1995, 61, 37-79.	0.7	21

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55	An oxygen isotope study of the Loon Lake pluton and the Apsley gneiss, Ontario. Contributions To Mineralogy and Petrology, 1976, 54, 1-16.	3.1	19
56	Oxygen and hydrogen isotopic variations between adjacent drips in three caves at increasing elevation in a temperate coastal rainforest, Vancouver Island, Canada. Geochimica Et Cosmochimica Acta, 2016, 172, 370-386.	3.9	19
57	Laurentide Ice Sheet Extent Inferred from Stable Isotopic Composition (O,C) of Ostracodes at Toronto, Canada. Quaternary Research, 1991, 35, 305-320.	1.7	18
58	A submerged stalactite from Belize: Petrography, geochemistry, and geochronology of massive marine cementation. Carbonates and Evaporites, 1998, 13, 189-197.	1.0	18
59	Isotopic studies of the diet of the people of the coast of <scp>B</scp>ritish <scp>C</scp>olumbia. American Journal of Physical Anthropology, 2014, 155, 460-468.	2.1	16
60	Interfacial bonding between mineral platelets in bone and its effect on mechanical properties of bone. Journal of the Mechanical Behavior of Biomedical Materials, 2021, 113, 104132.	3.1	16
61	Age of the Dakhleh impact event and implications for Middle Stone Age archeology in the Western Desert of Egypt. Earth and Planetary Science Letters, 2010, 291, 201-206.	4.4	15
62	Theoretical and observed C/N ratios in human bone collagen. Journal of Archaeological Science, 2021, 131, 105396.	2.4	15
63	External dose rate determinations for ESR dating at Bau de lâ€™Aubesier, Provence, France. Quaternary International, 2000, 68-71, 345-361.	1.5	13
64	Dating a flautist? Using ESR (electron spin resonance) in the Mousterian cave deposits at Divje Babe I, Slovenia. , 1997, 12, 507-536.		12
65	Chronometric Dating in Archaeology:â€‰ A Review. Accounts of Chemical Research, 2002, 35, 637-643.	15.6	12
66	Carbon and oxygen isotope systematics in cave environments: Lessons from an artificial cave â€œMcMaster Caveâ€• Geochimica Et Cosmochimica Acta, 2020, 272, 137-159.	3.9	12
67	Absolute dating by uranium series disequilibrium of bones from the cave of La Chaise-de-Vouthon (Charente), France. Earth Surface Processes and Landforms, 1987, 12, 543-550.	2.5	10
68	Whose teeth?. Nature, 1996, 381, 202-202.	27.8	10
69	Macroholes in stalagmites and the search for lost water. Journal of Geophysical Research, 2012, 117, .	3.3	9
70	X-ray diffraction and in situ pressurization of dentine apatite reveals nanocrystal modulus stiffening upon carbonate removal. Acta Biomaterialia, 2021, 120, 91-103.	8.3	9
71	Exploring Dietary Variability in a War of 1812 Skeletal Collection from Stoney Creek, Ontario, Using Stable Carbon and Nitrogen Isotopes. Historical Archaeology, 2015, 49, 54-70.	0.3	8
72	Identification of collagen fibrils in cross sections of bone by electron energy loss spectroscopy (EELS). Micron, 2019, 124, 102706.	2.2	8

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73	Potential consequences of a Mid-Pleistocene impact event for the Middle Stone Age occupants of Dakhleh Oasis, Western Desert, Egypt. Quaternary International, 2009, 195, 138-149.	1.5	7
74	Electron Spin Resonance Dating of Fault Rocks. AGU Reference Shelf, 0, , 177-186.	0.6	6
75	Modeling of bending and torsional stiffnesses of bone at sub-microscale: Effect of curved mineral lamellae. Journal of Biomechanics, 2021, 123, 110531.	2.1	6
76	Discussion Comments on Multiple Dating of a Long Flowstone Profile. Radiocarbon, 1987, 29, 148-152.	1.8	4
77	Stable carbon and oxygen isotopes in human tooth enamel: Identifying breastfeeding and weaning in prehistory. American Journal of Physical Anthropology, 1998, 106, 1-18.	2.1	3
78	Dataset of oxygen, carbon, and strontium isotope values from the Imperial Roman site of Velia (ca.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	2
79	The Green Deer: Chaya as a Potential Source of Protein for the Ancient Maya. Latin American Antiquity, 0, , 1-12.	0.6	1
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81	U-series Dating of a Speleothem from Inazumi Cave, Oita Prefecture, Japan. Journal of Ion Exchange, 2003, 14, 225-228.	0.3	0
82	Examining prehistoric diet at Tung Wan Tsai, Ma Wan Island, Hong Kong through stable isotope analysis. Journal of Island and Coastal Archaeology, 2024, 19, 196-210.	1.4	0
83	Ashing of bone: errors due to loss of CO2 and their correction. Journal of Bone and Mineral Metabolism, 2022, 40, 594-601.	2.7	0