

# Ernst Pernicka

## List of Publications by Year in descending order

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109  
papers

6,582  
citations

87888

38  
h-index

66911

78  
g-index

116  
all docs

116  
docs citations

116  
times ranked

3514  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying mixtures of metals by multi-isotope analysis: Disentangling the relationships of the Early Bronze Age swords of the Apahajd-Hajdmsmson type and associated objects. <i>Archaeometry</i> , 2022, 64, 44-74.	1.3	7
2	The Salcombe metal cargoes: New light on the provenance and circulation of tin and copper in Later Bronze Age Europe provided by trace elements and isotopes. <i>Journal of Archaeological Science</i> , 2022, 138, 105543.	2.4	18
3	The bronze cup from Dohnsen in the light of old and new evidence. <i>Archaeometry</i> , 2022, 64, 728-743.	1.3	3
4	Shifting networks and mixing metals: Changing metal trade routes to Scandinavia correlate with Neolithic and Bronze Age transformations. <i>PLoS ONE</i> , 2021, 16, e0252376.	2.5	26
5	Revealing ancient gold parting with silver and copper isotopes: implications from cementation experiments and for the analysis of gold artefacts. <i>Archaeological and Anthropological Sciences</i> , 2021, 13, 1.	1.8	2
6	Development of metallurgy in Eurasia. <i>Quaternary International</i> , 2020, 560-561, 38-44.	1.5	2
7	Lead isotope ratios and the provenance of medieval silver. <i>Archaeological and Anthropological Sciences</i> , 2020, 12, 1.	1.8	1
8	The Provenance, Use, and Circulation of Metals in the European Bronze Age: The State of Debate. <i>Journal of Archaeological Research</i> , 2019, 27, 131-185.	4.0	82
9	On the trail of Scandinavia's early metallurgy: Provenance, transfer and mixing. <i>PLoS ONE</i> , 2019, 14, e0219574.	2.5	27
10	Isotope systematics and chemical composition of tin ingots from Mochlos (Crete) and other Late Bronze Age sites in the eastern Mediterranean Sea: An ultimate key to tin provenance?. <i>PLoS ONE</i> , 2019, 14, e0218326.	2.5	46
11	Kinship-based social inequality in Bronze Age Europe. <i>Science</i> , 2019, 366, 731-734.	12.6	175
12	On smelting cassiterite in geological and archaeological samples: preparation and implications for provenance studies on metal artefacts with tin isotopes. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 293-319.	1.8	21
13	Tin isotope fractionation during experimental cassiterite smelting and its implication for tracing the tin sources of prehistoric metal artefacts. <i>Journal of Archaeological Science</i> , 2018, 92, 73-86.	2.4	35
14	Rupert Gebhard und Radiger Krause: Bernstorf. <i>Archologisch-naturwissenschaftliche Analysen der Gold- und Bernsteinfunde vom Bernstorfer Berg bei Kranzberg, Oberbayern</i> . Mit Beitragen von Barbara Armbruster, Vanessa Bahr, Ursula Baumer, Patrick Dietemann, Karl Thomas Fehr (e), Peter Freiberger, Jochen Haberstroh, Werner Hausler, Rupert Hochleitner, Helene Hoffmann, Bernd Kromer, Andrea Lazzaro, Paola Paoletti, Martin Pietsch, Martin Radtke, Christian Rewitzer, Astrid Rapke, Claudia Rohde, Harald Schulze, C.. <i>Prahistorische Zeitschrift</i> , 2018, 92, 428-444.	0.4	1
15	(Re)sources: Origins of metals in Late Period Egypt. <i>Journal of Archaeological Science: Reports</i> , 2018, 21, 318-339.	0.5	7
16	The new Late Bronze Age hoard find from Kobbelbude (former Eastern Prussia, district Fischhausen) and the first results of its archaeometallurgical investigations. <i>Archaeological and Anthropological Sciences</i> , 2017, 9, 755-761.	1.8	5
17	Copper for the Pharaoh: Identifying multiple metal sources for Ramesses' workshops from bronze and crucible remains. <i>Journal of Archaeological Science</i> , 2017, 80, 50-73.	2.4	39
18	Determination of the Tin Stable Isotopic Composition in Tin-bearing Metals and Minerals by MC-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 437-448.	3.1	37

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19	Provenance and recycling of ancient silver. A comment on "celridium to provenance ancient silver" by Jonathan R. Wood, Michael F. Charlton, Mercedes Murillo-Barroso, Marcos Martín-Torres. J. Archaeol. Sci. 81, 1-12. Journal of Archaeological Science, 2017, 86, 123-126.	2.4	5
20	Repealing the "atalh" extractive metallurgy: The green, the fire and the "slag". Journal of Archaeological Science, 2017, 86, 101-122.	2.4	18
21	Discussion and reply to „Buchner & Schmieder (2017): Possible traces of the impactor on fracture surfaces of shattered belemnites from the Nrdlinger Ries crater (Southern Germany). Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften, 2017, 168, 415-419.	0.4	1
22	Precise and Accurate Analysis of Gold Alloys: Varna, the Earliest Gold of Mankind" A Case Study. Natural Science in Archaeology, 2016, , 95-113.	1.7	1
23	The growth of early social networks: New geochemical results of obsidian from the Ubaid to Chalcolithic Period in Syria, Iraq and the Gulf. Journal of Archaeological Science: Reports, 2016, 9, 743-757.	0.5	13
24	Pb isotope data of Roman and medieval objects from Wiesloch near Heidelberg, Germany. Archaeological and Anthropological Sciences, 2015, 7, 465-472.	1.8	3
25	Copper processing in the oases of northwest Arabia: technology, alloys and provenance. Journal of Archaeological Science, 2015, 53, 492-503.	2.4	24
26	On the Invention of Gold Metallurgy: The Gold Objects from the Varna I Cemetery (Bulgaria)" Technological Consequence and Inventive Creativity. Cambridge Archaeological Journal, 2015, 25, 353-376.	0.9	30
27	Provenance Determination of Archaeological Metal Objects. , 2014, , 239-268.		128
28	More questions than answers: the Southeast Asian Lead Isotope Project 2009-2012. Journal of Archaeological Science, 2014, 42, 273-294.	2.4	82
29	Direct dating of gold by radiogenic helium: Testing the method on gold from Diamantina, Minas Gerais, Brazil. Geology, 2013, 41, 163-166.	4.4	32
30	Provenance of Iron Age iron in southern Germany: a new approach. Journal of Archaeological Science, 2013, 40, 841-849.	2.4	38
31	Wild Goat style ceramics at Troy and the impact of Archaic period colonisation on the Troad. Anatolian Studies, 2013, 63, 35-53.	0.3	2
32	Large scale smelting of speiss and arsenical copper at Early Bronze Age Arisman, Iran. Journal of Archaeological Science, 2012, 39, 1717-1727.	2.4	72
33	Early Cambodian gold and silver from Prohear: composition, trace elements and gilding. Journal of Archaeological Science, 2012, 39, 2877-2887.	2.4	30
34	Pb isotope constraints on fluid flow and mineralization processes in SW Germany. Neues Jahrbuch Fur Mineralogie, Abhandlungen, 2012, 189, 287-309.	0.3	15
35	IDENTIFICATION OF FORGERIES BY MEASURING TIN ISOTOPES IN CORRODED BRONZE OBJECTS*. Archaeometry, 2012, 54, 167-174.	1.3	21
36	The silver of the South Iberian El Argar Culture: A first look at production and distribution. Trabajos De Prehistoria, 2012, 69, 293-309.	0.7	42

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37	Provenance of the gold of the Early Bronze Age Nebra Sky Disk, central Germany: geochemical characterization of natural gold from Cornwall. <i>European Journal of Mineralogy</i> , 2011, 23, 895-910.	1.3	30
38	Isotopic and technological variation in prehistoric Southeast Asian primary copper production. <i>Journal of Archaeological Science</i> , 2011, 38, 3309-3322.	2.4	49
39	SOUTHEAST ASIA'S FIRST ISOTOPICALLY DEFINED PREHISTORIC COPPER PRODUCTION SYSTEM: WHEN DID EXTRACTIVE METALLURGY BEGIN IN THE KHAO WONG PRACHAN VALLEY OF CENTRAL THAILAND?. <i>Archaeometry</i> , 2011, 53, 146-163.	1.3	22
40	Book reviews - Tobias L. Kienlin. Traditions and transformations: approaches to Eneolithic (Copper) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 (British Archaeological Reports International Series 2184). iv+406 pages, 302 illustrations, CD. 2011. Oxford: Archaeopress; 978-1-4073-0740-4 paperback £61. <i>Antiquity</i> , 2011, 85, 1490-1491.	1.0	0
41	On the origins of extractive metallurgy: new evidence from Europe. <i>Journal of Archaeological Science</i> , 2010, 37, 2775-2787.	2.4	196
42	TIN ISOTOPYâ€”A NEW METHOD FOR SOLVING OLD QUESTIONS. <i>Archaeometry</i> , 2010, 52, 816-832.	1.3	106
43	Characterization of calibration materials for trace element analysis and fingerprint studies of gold using LA-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2009, 24, 476.	3.0	49
44	Fingerprints in Gold. <i>Natural Science in Archaeology</i> , 2009, , 409-436.	1.7	9
45	INTRODUCTION OF THE DEH HOSEIN ANCIENT TIN-COPPER MINE, WESTERN IRAN: EVIDENCE FROM GEOLOGY, ARCHAEOLOGY, GEOCHEMISTRY AND LEAD ISOTOPE DATA. <i>Tuba-ar</i> , 2009, , 223-236.	0.1	17
46	COINS, ARTEFACTS AND ISOTOPESâ€”ARCHAEOMETALLURGY AND <i>ARCHAEOMETRY</i>*. <i>Archaeometry</i> , 2008, 50, 232-248.	1.3	76
47	ON THE ORIGIN OF STAMPED AMPHORAE FROM THRACE (BULGARIA). <i>Oxford Journal of Archaeology</i> , 2007, 26, 53-78.	0.4	2
48	Volatiles in a peralkaline system: Abiogenic hydrocarbons and Fâ€™Clâ€™Br systematics in the naujaite of the IlÃmaussaq intrusion, South Greenlandâ†. <i>Lithos</i> , 2007, 95, 298-314.	1.4	61
49	THE PROVENANCE OF IRON ARTEFACTS FROM MANCHING: A MULTI-TECHNIQUE APPROACH*. <i>Archaeometry</i> , 2006, 48, 433-452.	1.3	55
50	Chemical andÂlead isotope compositions ofÂlead artefacts from ancient Thracia (Bulgaria). <i>Journal of Cultural Heritage</i> , 2006, 7, 244-256.	3.3	34
51	Radiocarbon dating of iron artefacts at the Erlangen AMS-facility. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2005, 240, 478-482.	1.4	6
52	PREHISTORIC COPPER PRODUCTION IN THE INN VALLEY (AUSTRIA), AND THE EARLIEST COPPER IN CENTRAL EUROPE*. <i>Archaeometry</i> , 2005, 47, 293-315.	1.3	135
53	Darhand copper occurrence:An example of Michigan-type native copper deposits in central Iran. , 2005, , 165-166.		0
54	Radiocarbon Dating of Iron Artifacts at the Erlangen AMS Facility. <i>Radiocarbon</i> , 2004, 46, 175-180.	1.8	13

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55	The effect of instrumental mass bias on measurements: a comparison between thermal ionisation mass spectrometry and multiple-collector ICP-MS. <i>International Journal of Mass Spectrometry</i> , 2004, 232, 259-263.	1.5	32
56	Electrochemical lead separation from copper, copper alloy, silver and silver alloy for isotope ratio determination in archaeometric investigations. <i>Analytica Chimica Acta</i> , 2003, 497, 227-233.	5.4	5
57	The Determination of Lead Isotope Ratios by Multiple Collector Icp-Ms: A Case Study of Early Bronze Age Artefacts and their Possible Relation With Ore Deposits of the Erzgebirge*. <i>Archaeometry</i> , 2003, 45, 61-100.	1.3	139
58	An Assessment of Osmium Isotope Ratios as a New Tool to Determine the Provenance of Gold with Platinum-Group Metal Inclusions*. <i>Archaeometry</i> , 2003, 45, 313-331.	1.3	36
59	DATING ARCHAOMETALLURGICAL SLAGS USING THERMOLUMINESCENCE*. <i>Archaeometry</i> , 2003, 45, 519-530.	1.3	11
60	Precise and accurate determination of boron isotope ratios by multiple collector ICP-MS: origin of boron in the Ngawha geothermal system, New Zealand. <i>Chemical Geology</i> , 2003, 199, 331-342.	3.3	94
61	LAURITE AND RUARSITE FROM PODIFORM CHROMITITES AT KRAUBATH AND HOCHGROSSEN, AUSTRIA: NEW INSIGHTS FROM OSMIUM ISOTOPES. <i>Canadian Mineralogist</i> , 2003, 41, 331-352.	1.0	45
62	On the Composition and Provenance of Metal Finds from BeÅiktepe (Troia). <i>Natural Science in Archaeology</i> , 2003, , 173-201.	1.7	11
63	Title is missing!. <i>Mineralogy and Petrology</i> , 2002, 76, 121-148.	1.1	33
64	Determination of zinc in clay and pottery materials by instrumental neutron activation analysis. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2002, 251, 319-322.	1.5	2
65	INAA of some geological standard reference materials. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2002, 251, 139-143.	1.5	8
66	Chemical composition and lead isotopy of copper and bronze from Nuragic Sardinia. <i>European Journal of Archaeology</i> , 2001, 4, 43-85.	0.5	80
67	Chemical Composition and Lead Isotopy of Copper and Bronze from Nuragic Sardinia. <i>European Journal of Archaeology</i> , 2001, 4, 43-85.	0.5	11
68	GALLEX solar neutrino observations: results for GALLEX IV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 447, 127-133.	4.1	1,122
69	Final results of the <sup>51</sup> Cr neutrino source experiments in GALLEX. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 420, 114-126.	4.1	251
70	Verification tests of the GALLEX solar neutrino detector, with <sup>71</sup> Ge produced in-situ from the beta-decay of <sup>71</sup> As. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 436, 158-173.	4.1	34
71	Enriched Subcontinental Upper Mantle beneath Southern India: Evidence from Pb, Nd, Sr, and C-O Isotopic Studies on Tamil Nadu Carbonatites. <i>Journal of Petrology</i> , 1998, 39, 1765-1785.	2.8	68
72	Enriched Subcontinental Upper Mantle beneath Southern India: Evidence from Pb, Nd, Sr, and C-O Isotopic Studies on Tamil Nadu Carbonatites. <i>Journal of Petrology</i> , 1998, 39, 1765-1785.	2.8	12

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73	Chemical Characterisation of NIST Silicate Glass Certified Reference Material SRM 610 by ICP-MS, TIMS, LIMS, SSMS, INAA, AAS and PIXE. <i>Geostandards and Geoanalytical Research</i> , 1997, 21, 101-114.	3.1	130
74	ENERGY DISPERSIVE X-RAY FLUORESCENCE ANALYSIS OF ANCIENT COPPER ALLOYS: EMPIRICAL VALUES FOR PRECISION AND ACCURACY. <i>Archaeometry</i> , 1996, 38, 313-323.	1.3	82
75	Siderophile element concentrations in drill core samples from the Manson crater. , 1996, , .		6
76	Iridium concentration as an estimation of instantaneous sediment accumulation rates. <i>Journal of Sedimentary Research</i> , 1996, 66, 608-612.	1.6	11
77	Production of a 62 PBq 51Cr low energy neutrino source for GALLEX. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996, 378, 233-250.	1.6	38
78	GALLEX solar neutrino observations: Results for GALLEX III. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 388, 384-396.	4.1	218
79	First results from the 51Cr neutrino source experiment with the GALLEX detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 342, 440-450.	4.1	268
80	GALLEX solar neutrino observations: complete results for GALLEX II. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 357, 237-247.	4.1	149
81	Instrumental neutron activation analysis of native copper: Some methodological considerations. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995, 191, 145-161.	1.5	17
82	Crisis or Catharsis in Lead Isotope Analysis?. <i>Journal of Mediterranean Archaeology</i> , 1995, 8, 59-64.	0.9	26
83	X-Ray fluorescence analysis of base metal sulphide and iron-manganese oxide ore samples in fused glass disc. <i>X-Ray Spectrometry</i> , 1994, 23, 83-90.	1.4	16
84	GALLEX results from the first 30 solar neutrino runs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 327, 377-385.	4.1	211
85	The determination of platinum group elements (PGE) in target rocks and fall-back material of the Nördlinger Ries impact crater, Germany. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 5083-5090.	3.9	44
86	The miniaturized proportional counter HD-2(Fe)/(Si) for the GALLEX solar neutrino experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993, 329, 541-550.	1.6	85
87	Solar neutrinos observed by GALLEX at Gran Sasso. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1993, 31, 117-124.	0.4	8
88	REE and other trace element chemistry of oldhamite (CaS) in the Qingzhen chondrite (EH3) and their genetic implications. <i>Diqiu Huaxue</i> , 1993, 12, 317-327.	0.5	1
89	GALLEX solar neutrino observations. The results from GALLEX I and early results from GALLEX II. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 314, 445-458.	4.1	124
90	COMMENTS ON P. BUDD, D. GALE, A. M. POLLARD, R. G. THOMAS AND P. A. WILLIAMS, "EVALUATING LEAD ISOTOPE DATA: FURTHER OBSERVATIONS" <i>ARCHAEOLOGY</i> , 35 (2) (1993), AND REPLY. <i>Archaeometry</i> , 1.3 1993, 35, 259-263.		15

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91	Eneolithic and Early Bronze Age copper artefacts from the Balkans and their relation to Serbian copper ores. <i>Prahistorische Zeitschrift</i> , 1993, 68, 1-54.	0.4	97
92	The compositions of six Chinese ordinary chondrites and element distributions in their different phases. <i>Diqiu Huaxue</i> , 1992, 11, 214-223.	0.5	1
93	COMMENTS â€¦ III. <i>Archaeometry</i> , 1992, 34, 322-322.	1.3	19
94	Climatic influences on the growth rates of Mn crusts during the Late Quaternary. <i>Earth and Planetary Science Letters</i> , 1992, 109, 25-36.	4.4	57
95	Status report on the GALLEX experiment. <i>Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C</i> , 1992, 15, 917-929.	0.2	0
96	Solar neutrinos observed by GALLEX at Gran Sasso. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 285, 376-389.	4.1	376
97	Implications of the GALLEX determination of the solar neutrino flux. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992, 285, 390-397.	4.1	175
98	Comment on the Discussion of Ancient Tin Sources in Anatolia. <i>Journal of Mediterranean Archaeology</i> , 1992, 5, 91-98.	0.9	8
99	Measurements on radioactivity of ancient roman lead to be used as shield in searches for rare events. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1991, 61, 106-117.	1.4	38
100	ON THE COMPOSITION AND PROVENANCE OF METAL ARTEFACTS FROM POLIOCHNI ON LEMNOS. <i>Oxford Journal of Archaeology</i> , 1990, 9, 263-298.	0.4	56
101	Chondrules in the Sharps H3 chondrite: Evidence for intergroup compositional differences among ordinary chondrite chondrules. <i>Geochimica Et Cosmochimica Acta</i> , 1989, 53, 187-195.	3.9	28
102	Ru, Re, Os, Pt and Au in iron meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 1717-1726.	3.9	130
103	Chemical record of the projectile in the graded fall-back sedimentary unit from the Ries Crater, Germany. <i>Earth and Planetary Science Letters</i> , 1987, 86, 113-121.	4.4	19
104	Provenance determination of metal artifacts: Methodological considerations. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1986, 14, 24-29.	1.4	25
105	Thorium and uranium abundances in the Jilin H5 chondrite. <i>Earth and Planetary Science Letters</i> , 1985, 72, 307-310.	4.4	5
106	Chondrules from Chainpur (LL-3): reduced parent rocks and vapor fractionation. <i>Earth and Planetary Science Letters</i> , 1984, 68, 43-56.	4.4	24
107	Blei und Silber im Altertum: Ein Beitrag der ArchÃometrie. <i>Chemie in Unserer Zeit</i> , 1982, 16, 46-56.	0.1	2
108	Ancient gold mines on Thasos. <i>Die Naturwissenschaften</i> , 1981, 68, 263-264.	1.6	16

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109	Radiochemical neutron-activation analysis of sulphide ores using zinc diethyldithiocarbamate as extraction reagent. <i>Analyst, The</i> , 1978, 103, 475.	3.5	4