Robert J Speakman

List of Publications by Year
in descending order

58 papers	2,565 citations	257450 24 h-index	189892 50 g-index
58 all docs	58 docs citations	58 times ranked	2818 citing authors

#	Article	IF	Citations
1	Archaeological assessment reveals Earthâ€™s early transformation through land use. Science, 2019, 365, 897-902.	12.6	369
2	Fracturing of the Panamanian Isthmus during initial collision with South America. Geology, 2011, 39, 1007-1010.	4.4	237
3	Portable XRF analysis of archaeological sediments and ceramics. Journal of Archaeological Science, 2015, 53, 626-638.	2.4	187
4	Comparison of XRF and PXRF for analysis of archaeological obsidian from southern PerÃº. Journal of Archaeological Science, 2007, 34, 2012-2024.	2.4	166
5	Silo science and portable XRF in archaeology: a response to Frahm. Journal of Archaeological Science, 2013, 40, 1435-1443.	2.4	158
6	Sourcing ceramics with portable XRF spectrometers? A comparison with INAA using Mimbres pottery from the American Southwest. Journal of Archaeological Science, 2011, 38, 3483-3496.	2.4	150
7	Initial source evaluation of archaeological obsidian from the Kuril Islands of the Russian Far East using portable XRF. Journal of Archaeological Science, 2009, 36, 1256-1263.	2.4	97
8	Four-thousand-year-old gold artifacts from the Lake Titicaca basin, southern Peru. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 5002-5005.	7.1	87
9	Serpentine Hot Springs, Alaska: results of excavations and implications for the age and significance of northern fluted points. Journal of Archaeological Science, 2013, 40, 4222-4233.	2.4	67
10	Temporal Variability of Tungsten and Cobalt in Fallon, Nevada. Environmental Health Perspectives, 2007, 115, 715-719.	6.0	65
11	Assessing urban soil pollution in the cities of Zacatecas and Guadalupe, Mexico by instrumental neutron activation analysis. Microchemical Journal, 2012, 103, 158-164.	4.5	64
12	Characterization of surface decorations in Prehispanic archaeological ceramics by Raman spectroscopy, FTIR, XRD and XRF. Vibrational Spectroscopy, 2012, 58, 119-124.	2.2	62
13	Elevated tungsten and cobalt in airborne particulates in Fallon, Nevada: Possible implications for the childhood leukemia cluster. Applied Geochemistry, 2006, 21, 152-165.	3.0	57
14	The Copper CHARM Set: A New Set of Certified Reference Materials for the Standardization of Quantitative X-Ray Fluorescence Analysis of Heritage Copper Alloys*. Archaeometry, 2015, 57, 856-868.	1.3	54
15	ARCHAEOMETRY AT THE UNIVERSITY OF MISSOURI RESEARCH REACTOR AND THE PROVENANCE OF OBSIDIAN ARTEFACTS IN NORTH AMERICA. Archaeometry, 2007, 49, 343-357.	1.3	51
16	ACKNOWLEDGING FIFTY YEARS OF NEUTRON ACTIVATION ANALYSIS IN ARCHAEOLOGY. Archaeometry, 2007, 49, 179-183.	1.3	47
17	Ceramic production, consumption and exchange in the Banda area, Ghana: Insights from compositional analyses. Journal of Anthropological Archaeology, 2008, 27, 363-381.	1.6	42
18	Market share and recent hiring trends in anthropology faculty positions. PLoS ONE, 2018, 13, e0202528.	2.5	41

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19	CHEMICAL AND MINERALOGICAL CHARACTERIZATION OF SASANIAN AND EARLY ISLAMIC GLAZED CERAMICS FROM THE DEH LURAN PLAIN, SOUTHWESTERN IRAN*. Archaeometry, 2004, 46, 585-605.	1.3	39
20	Earliest art in the Americas: incised image of a proboscidean on a mineralized extinct animal bone from Vero Beach, Florida. Journal of Archaeological Science, 2011, 38, 2908-2913.	2.4	39
21	Obsidian use at the Ushki Lake complex, Kamchatka Peninsula (Northeastern Siberia): implications for terminal Pleistocene and early Holocene human migrations in Beringia. Journal of Archaeological Science, 2008, 35, 2179-2187.	2.4	37
22	Macusani obsidian from southern Peru: A characterization of its elemental composition with a demonstration of its ancient use. Journal of Archaeological Science, 2010, 37, 569-576.	2.4	37
23	An Initial Assessment of Prehistoric Ceramic Production and Exchange in Northern Yoruba, North Central Nigeria: Results of Ceramic Compositional Analysis. African Archaeological Review, 2005, 22, 141-168.	1.4	33
24	Testing technological practices: neutron activation analysis of neolithic ceramics from Valencia, Spain. Journal of Archaeological Science, 2006, 33, 671-680.	2.4	26
25	Using Lichen Chemistry to Assess Airborne Tungsten and Cobalt in Fallon, Nevada. Environmental Monitoring and Assessment, 2007, 130, 511-518.	2.7	25
26	Characterization of Maya pottery by INAA and ICP-MS. Journal of Radioanalytical and Nuclear Chemistry, 2004, 262, 103-110.	1.5	24
27	Chemical characterization of majolica from 14thâ€“18th century production centers on the Iberian Peninsula: a preliminary neutron activation study. Journal of Archaeological Science, 2008, 35, 425-440.	2.4	23
28	CHOOSING A PATH TO THE ANCIENT WORLD IN A MODERN MARKET: THE REALITY OF FACULTY JOBS IN ARCHAEOLOGY. American Antiquity, 2018, 83, 1-12.	1.1	22
29	Spatial patterns of tungsten and cobalt in surface dust of Fallon, Nevada. Environmental Geochemistry and Health, 2007, 29, 405-412.	3.4	20
30	Romita pottery revisited: a reassessment of the provenance of ceramics fromÂColonial Mexico by LA-MC-ICP-MS. Journal of Archaeological Science, 2010, 37, 2698-2704.	2.4	19
31	Ancient social landscapes of northwestern Argentina: preliminary results of an integrated approach to obsidian and ceramic provenance. Journal of Archaeological Science, 2009, 36, 1955-1964.	2.4	18
32	Exchange patterns, boundary formation, and sociopolitical change in Late Bronze Age Southern Caucasia: preliminary results from a pottery provenance study in northwestern Armenia. Journal of Archaeological Science, 2008, 35, 1673-1682.	2.4	17
33	Evidence of Eurasian metal alloys on the Alaskan coast in prehistory. Journal of Archaeological Science, 2016, 74, 176-183.	2.4	17
34	Potters and pigments: preliminary technological assessment of pigment recipes of American majolica by synchrotron radiation micro-X-ray diffraction (Sr-Î¼XRD). Journal of Archaeological Science, 2013, 40, 1408-1415.	2.4	16
35	Elymian regional interaction in Iron Age western Sicily: a preliminary neutron activation study of incised/impressed tablewares. Journal of Archaeological Science, 2005, 32, 795-804.	2.4	15
36	CHEMICAL CHARACTERIZATION OF TINâ€ŁEAD GLAZED POTTERY FROM THE IBERIAN PENINSULA AND THE CANARY ISLANDS: INITIAL STEPS TOWARD A BETTER UNDERSTANDING OF SPANISH COLONIAL POTTERY IN THE AMERICAS*. Archaeometry, 2009, 51, 546-567.	1.3	12

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37	Instrumental neutron activation analysis of Inka and local pottery from northern Chile's Atacama Desert. Journal of Archaeological Science: Reports, 2016, 9, 481-492.	0.5	12
38	Additional analysis of dendrochemical data of Fallon, Nevada. Chemico-Biological Interactions, 2012, 196, 96-101.	4.0	10
39	Multiple Environmental Monitoring Techniques for Assessing Spatial Patterns of Airborne Tungsten. Environmental Science & Technology, 2007, 41, 406-410.	10.0	9
40	Steatite characterization using X-ray fluorescence and insights into Northern Iroquoian interregional interaction. Journal of Archaeological Science: Reports, 2018, 20, 506-515.	0.5	9
41	A NEW DATING METHOD FOR HIGH-CALCIUM ARCHAEOLOGICAL GLASSES BASED UPON SURFACE-WATER DIFFUSION: PRELIMINARY CALIBRATIONS AND PROCEDURES*. Archaeometry, 2007, 49, 153-177.	1.3	8
42	Assessing sediment pollution from the Julian Adame-Alatorre dam by instrumental neutron activation analysis. Microchemical Journal, 2011, 99, 20-25.	4.5	8
43	Major, minor and trace element mass fractions determined using ED-XRF, WD-XRF and INAA for five certified clay reference materials: NCS DC 60102â€“60105; NCS DC 61101 (GBW 03101A, 03102A, 03103, and) Tj ET Q q 1 1 s 0.784314	1.5	8
44	Neutron activation analysis of Urartian pottery from eastern Anatolia. Journal of Radioanalytical and Nuclear Chemistry, 2004, 262, 119-127.	1.5	7
45	Rapid extraction and assay of uranium from environmental surface samples. Talanta, 2017, 173, 69-78.	5.5	7
46	The movement of obsidian in Subarctic Canada: Holocene social relationships and human responses to a large-scale volcanic eruption. Journal of Anthropological Archaeology, 2019, 56, 101114.	1.6	7
47	Preliminary study of a Georgia O'Keeffe pastel drawing using XRF and Î¼XRD. Powder Diffraction, 2009, 24, 116-123.	0.2	6
48	Understanding irregular shell formation of Nautilus in aquaria: Chemical composition and structural analysis. Zoo Biology, 2014, 33, 285-294.	1.2	6
49	Instrumental Neutron Activation Analysis of Pottery from the George C. Davis (41Ce19) Site, Texas. North American Archaeologist, 2004, 25, 121-138.	0.5	5
50	Reply to comment on â€œElevated tungsten and cobalt in airborne particulates in Fallon, Nevada: Possible implications for the childhood leukemia clusterâ€, by R. Seiler. Applied Geochemistry, 2006, 21, 715-723.	3.0	5
51	Major, minor and trace element mass fractions determined using ED-XRF, WD-XRF and INAA for three fireclay reference materials: Ä·137; Ä·138; and Ä·139. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 977-978.	1.5	5
52	Reply to comment on â€œElevated tungsten and cobalt in airborne particulates in Fallon, Nevada: Possible implications for the childhood leukemia clusterâ€, by Blasland, Bouck & Lee, Inc.. Applied Geochemistry, 2006, 21, 1086-1091.	3.0	4
53	Investigating Obsidian Procurement at Integration Period (ca. AD 700-1500)TolaSites in Highland Northern Ecuador via Portable X-ray Fluorescence (pXRF). ACS Symposium Series, 2013, , 211-232.	0.5	2
54	A multi-regional obsidian database for the Eastern Plains. Plains Anthropologist, 2019, 64, 143-162.	0.3	2

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55	Pb Isotopic Composition of Panamanian Colonial Majolica by LA-ICP-MS. Natural Science in Archaeology, 2016, , 343-358.	1.7	2
56	The Effects of Erosion on Archaeological Sites along the Upper Oahe Reservoir, South Dakota. North American Archaeologist, 2006, 27, 91-110.	0.5	1
57	Tungsten and Cobalt: Sheppard et al. Respond. Environmental Health Perspectives, 2008, 116, .	6.0	1
58	Major, minor and trace element mass fractions determined using ED-XRF, WD-XRF and INAA for three synthetic mullite reference materials (NCS HC 14807; NCS HC 14808; and NCS HC 14809) and five stream sediment reference materials (GBW 07302; GBW 07310; GBW 07311; GBW 07312; and GBW 07405). Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1005-1007.	1.5	1