

Michael D Glascock

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294
papers

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41
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60
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300
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6,493
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2.1
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L-index

#	Paper	IF	Citations
294	Fracturing of the Panamanian Isthmus during initial collision with South America. <i>Geology</i> , 2011 , 39, 1007-1010	202	
293	Quebrada jaguay: early south american maritime adaptations. <i>Science</i> , 1998 , 281, 1830-2	33.3	194
292	Comparison of XRF and PXRF for analysis of archaeological obsidian from southern Peru. <i>Journal of Archaeological Science</i> , 2007 , 34, 2012-2024	2.9	151
291	Neutron activation analysis and provenance research in archaeology. <i>Measurement Science and Technology</i> , 2003 , 14, 1516-1526	2	141
290	Southern African glass beads: chemistry, glass sources and patterns of trade. <i>Journal of Archaeological Science</i> , 2010 , 37, 1898-1912	2.9	127
289	LA-ICP-MS analysis of African glass beads: Laboratory inter-comparison with an emphasis on the impact of corrosion on data interpretation. <i>International Journal of Mass Spectrometry</i> , 2009 , 284, 152-161	1.9	104
288	Olmec pottery production and export in ancient Mexico determined through elemental analysis. <i>Science</i> , 2005 , 307, 1068-72	33.3	104
287	High-Precision Trace-Element Characterization of Major Mesoamerican Obsidian Sources and Further Analyses of Artifacts from San Lorenzo Tenochtitlan, Mexico. <i>Latin American Antiquity</i> , 1991 , 2, 69-91	0.5	82
286	A Systematic Approach to Obsidian Source Characterization 1998 , 15-65		81
285	Gold solubility, speciation, and partitioning as a function of HCl in the brine-silicate melt-metallic gold system at 800°C and 100 MPa. <i>Geochimica Et Cosmochimica Acta</i> , 2002 , 66, 3719-3732	5.5	79
284	The Effect of Firing Temperature on the Elemental Characterization of Pottery. <i>Journal of Archaeological Science</i> , 1996 , 23, 283-287	2.9	79
283	Neutrons, Markets, Cities, and Empires: A 1000-Year Perspective on Ceramic Production and Distribution in the Postclassic Basin of Mexico. <i>Journal of Anthropological Archaeology</i> , 2002 , 21, 25-82	1.9	78
282	Trace element characterization of ochre from geological sources. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2007 , 272, 17-27	1.5	76
281	REE-Depleted Leucogranites, Black Hills, South Dakota: a Consequence of Disequilibrium Melting of Monazite-Bearing Schists. <i>Journal of Petrology</i> , 1995 , 36, 1055-1071	3.9	73
280	A review of the origins of metal-rich Pennsylvanian black shales, central U.S.A., with an inferred role for basinal brines. <i>Applied Geochemistry</i> , 1989 , 4, 347-367	3.5	66
279	Instrumental Neutron Activation Analysis and Multivariate Statistics for Pottery Provenance. <i>Hyperfine Interactions</i> , 2004 , 154, 95-105	0.8	64
278	Ceramic Production among Small-Scale and Mobile Hunters and Gatherers: A Case Study from the Southwestern Great Basin. <i>Journal of Anthropological Archaeology</i> , 2002 , 21, 200-229	1.9	64

277	Testing the accuracy of portable X-ray fluorescence to study Aztec and Colonial obsidian supply at Xaltocan, Mexico. <i>Journal of Archaeological Science</i> , 2011 , 38, 3141-3152	2.9	62
276	Seawater rare-earth element patterns preserved in apatite of Pennsylvanian conodonts?. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 1609-1624	5.5	56
275	Elemental analysis and characterization of ochre sources from Southern Arizona. <i>Journal of Archaeological Science</i> , 2008 , 35, 752-762	2.9	56
274	Methodological Issues in the Provenance Investigation of Early Formative Mesoamerican Ceramics. <i>Latin American Antiquity</i> , 2006 , 17, 54-76	0.5	56
273	Determining the Geological Provenance of Obsidian Artifacts from the Maya Region: A Test of the Efficacy of Visual Sourcing. <i>Latin American Antiquity</i> , 2000 , 11, 269-282	0.5	55
272	Reduction Strategies and Geochemical Characterization of Lithic Assemblages: A Comparison of Three Case Studies from Western North America. <i>American Antiquity</i> , 2007 , 72, 585-597	0.9	53
271	Sourcing archaeological obsidian by an abbreviated NAA procedure. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1994 , 180, 29-35	1.5	52
270	Neutron activation analysis of 12,900-year-old stone artifacts confirms 4500+ km Clovis tool-stone acquisition at Paleo Crossing (33ME274), northeast Ohio, U.S.A.. <i>Journal of Archaeological Science</i> , 2015 , 53, 550-558	2.9	51
269	Assessing urban soil pollution in the cities of Zacatecas and Guadalupe, Mexico by instrumental neutron activation analysis. <i>Microchemical Journal</i> , 2012 , 103, 158-164	4.8	50
268	Moving sources: A preliminary study of volcanic glass artifact distributions in northeast China using PXRF. <i>Journal of Archaeological Science</i> , 2010 , 37, 1670-1677	2.9	50
267	CHEMICAL ANALYSIS OF GLASS BEADS FROM MADAGASCAR. <i>Journal of African Archaeology</i> , 2006 , 4, 91-109	0.8	50
266	Hematite sources and archaeological ochres from Hohokam and O'odham sites in central Arizona: an experiment in type identification and characterization. <i>Journal of Archaeological Science</i> , 2011 , 38, 3019-3028	2.9	48
265	TESTING ASSUMPTIONS OF NEUTRON ACTIVATION ANALYSIS: COMMUNITIES, WORKSHOPS AND PASTE PREPARATION IN YUCATAN, MEXICO*. <i>Archaeometry</i> , 2000 , 42, 301-316	1.6	48
264	Origin of rhythmic layering in the Calamity Peak satellite pluton of the Harney Peak Granite, South Dakota: The role of boron. <i>Geochimica Et Cosmochimica Acta</i> , 1987 , 51, 487-496	5.5	48
263	Origins of metals and organic matter in the Mecca Quarry Shale Member and stratigraphically equivalent beds across the Midwest. <i>Economic Geology</i> , 1987 , 82, 915-933	4.3	47
262	Determination of elements in National Bureau of Standards' geological standard reference materials by neutron activation analysis. <i>Analytical Chemistry</i> , 1982 , 54, 1623-1627	7.8	47
261	Quest for ancient routes: obsidian sourcing research in Northwestern Argentina. <i>Journal of Archaeological Science</i> , 2004 , 31, 193-204	2.9	46
260	PGE AND Ag MINERALIZATION IN A BRECCIA ZONE OF THE PRECAMBRIAN NUASAHI ULTRAMAFIC-MAFIC COMPLEX, ORISSA, INDIA. <i>Canadian Mineralogist</i> , 2001 , 39, 979-996	0.7	45

259	Gold and platinum in shales with evidence against extraterrestrial sources of metals. <i>Chemical Geology</i> , 1992 , 99, 101-114	4.2	45
258	Locating the Quispisisa Obsidian Source in the Department of Ayacucho, Peru. <i>Latin American Antiquity</i> , 2000 , 11, 258-268	0.5	44
257	ARCHAEOOMETRY AT THE UNIVERSITY OF MISSOURI RESEARCH REACTOR AND THE PROVENANCE OF OBSIDIAN ARTEFACTS IN NORTH AMERICA. <i>Archaeometry</i> , 2007 , 49, 343-357	1.6	43
256	Sources of Archaeological Obsidian on Sakhalin Island (Russian Far East). <i>Journal of Archaeological Science</i> , 2002 , 29, 741-749	2.9	42
255	Correcting for uranium fission in instrumental neutron activation analysis of high-uranium rocks. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1986 , 99, 121-131	1.5	42
254	Analysis of Shell-Tempered Pottery Replicates: Implications for Provenance Studies. <i>American Antiquity</i> , 1998 , 63, 63-72	0.9	41
253	Source Determination of White River Group Silicates from Two Archaeological Sites in the Great Plains. <i>American Antiquity</i> , 1993 , 58, 698-710	0.9	41
252	Obsidian-Artifact Source Analysis for the Mixtequilla Region, South-Central Veracruz, Mexico. <i>Latin American Antiquity</i> , 1992 , 3, 221-239	0.5	41
251	The prompt gamma neutron activation analysis facility at Murr. <i>Nuclear Instruments & Methods in Physics Research</i> , 1981 , 188, 619-627		41
250	Obsidian in the south-central Andes: Geological, geochemical, and archaeological assessment of north Patagonian sources (Argentina). <i>Quaternary International</i> , 2011 , 245, 25-36	2	38
249	A STUDY OF OBSIDIAN SOURCE USAGE IN THE CENTRAL ANDES OF ARGENTINA AND CHILE. <i>Archaeometry</i> , 2011 , 53, 1-21	1.6	35
248	Smokescreens in the Provenance Investigation of Early Formative Mesoamerican Ceramics. <i>Latin American Antiquity</i> , 2006 , 17, 104-118	0.5	35
247	Water-leachable boron coal ashes. <i>Environmental Science & Technology</i> , 1982 , 16, 195-197	10.3	35
246	Ceramic production, consumption and exchange in the Banda area, Ghana: Insights from compositional analyses. <i>Journal of Anthropological Archaeology</i> , 2008 , 27, 363-381	1.9	34
245	An Initial Assessment of the Production and Movement of Thirteenth Century Ceramic Vessels in the Mesa Verde Region. <i>Kiva, The</i> , 1998 , 63, 217-240	0.1	34
244	Macusani obsidian from southern Peru: A characterization of its elemental composition with a demonstration of its ancient use. <i>Journal of Archaeological Science</i> , 2010 , 37, 569-576	2.9	33
243	Geological/Geochemical approach to sourcing of prehistoric chert artifacts, northwestern Alaska. <i>Geoarchaeology - an International Journal</i> , 1998 , 13, 673-708	1.4	33
242	ACKNOWLEDGING FIFTY YEARS OF NEUTRON ACTIVATION ANALYSIS IN ARCHAEOLOGY. <i>Archaeometry</i> , 2007 , 49, 179-183	1.6	33

241	Chemical Characterization of Micronesian Ceramics Through Instrumental Neutron Activation Analysis: A Preliminary Provenance Study. <i>Journal of Archaeological Science</i> , 2001 , 28, 1185-1190	2.9	33
240	Local Elites and the Reformation of Late Intermediate Period Sociopolitical and Economic Organization in Nasca, Peru. <i>Latin American Antiquity</i> , 2003 , 14, 47-65	0.5	32
239	Sentinel Butte: neutron activation analysis of White River Group chert from a primary source and artifacts from a Clovis cache in North Dakota, USA. <i>Journal of Archaeological Science</i> , 2011 , 38, 965-976	2.9	31
238	Obsidian use at the Ushki Lake complex, Kamchatka Peninsula (Northeastern Siberia): implications for terminal Pleistocene and early Holocene human migrations in Beringia. <i>Journal of Archaeological Science</i> , 2008 , 35, 2179-2187	2.9	31
237	Neutron activation analysis of stone from the Chadron Formation and a Clovis Site on the Great Plains. <i>Journal of Archaeological Science</i> , 1992 , 19, 655-665	2.9	31
236	Early Olmec obsidian trade and economic organization at San Lorenzo. <i>Journal of Archaeological Science</i> , 2013 , 40, 2784-2798	2.9	30
235	Source of volcanic glass for ancient Andean tools. <i>Nature</i> , 1997 , 386, 449-450	50.4	30
234	CHEMICAL AND MINERALOGICAL CHARACTERIZATION OF SASANIAN AND EARLY ISLAMIC GLAZED CERAMICS FROM THE DEH LURAN PLAIN, SOUTHWESTERN IRAN*. <i>Archaeometry</i> , 2004 , 46, 585-605	1.6	30
233	The Source Provenance of Bronze Age and Roman pottery from Cyprus. <i>Archaeometry</i> , 2002 , 44, 23-36	1.6	30
232	Sourcing the Palygorskite Used in Maya Blue: A Pilot Study Comparing the Results of INAA and LA-ICP-MS. <i>Latin American Antiquity</i> , 2007 , 18, 44-58	0.5	29
231	The forest or the trees? Behavioral and methodological considerations for geochemical characterization of heavily-tempered ceramic pastes using NAA and LA-ICP-MS. <i>Journal of Archaeological Science</i> , 2012 , 39, 2668-2683	2.9	28
230	Obsidian provenance research in the Americas. <i>Accounts of Chemical Research</i> , 2002 , 35, 611-7	24.3	28
229	Chipped Stone Artefacts, Source Areas, and Provenance Studies of the Northern Belize Chert-bearing Zone. <i>Journal of Archaeological Science</i> , 1999 , 26, 389-397	2.9	28
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226	Description and Method of Exploitation of the Alca Obsidian Source, Peru. <i>Latin American Antiquity</i> , 2002 , 13, 107-118	0.5	27
225	Exchange of Coarse Orange pottery in the Middle Classic Tuxtla Mountains, Southern Veracruz, Mexico. <i>Journal of Archaeological Science</i> , 2008 , 35, 1412-1426	2.9	26
224	Two Islands in the Ocean: Prehistoric Obsidian Exchange between Sakhalin and Hokkaido, Northeast Asia. <i>Journal of Island and Coastal Archaeology</i> , 2007 , 2, 99-120	1.2	26

223	An Initial Assessment of Prehistoric Ceramic Production and Exchange in Northern Yoruba, North Central Nigeria: Results of Ceramic Compositional Analysis. <i>African Archaeological Review</i> , 2005 , 22, 141-188	0.8	26
222	Exchange Implications of Obsidian Source Analysis from the Lower Rio Verde Valley, Oaxaca, Mexico. <i>Latin American Antiquity</i> , 1995 , 6, 3-15	0.5	26
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220	In the Aftermath of Teotihuacan: Epiclassic Pottery Production and Distribution in the Teotihuacan Valley, Mexico. <i>Latin American Antiquity</i> , 2007 , 18, 123	0.5	25
219	Evidence for Early Long-Distance Obsidian Exchange and Watercraft Use from the Southern Lake Titicaca Basin of Bolivia and Peru. <i>Latin American Antiquity</i> , 2002 , 13, 444-454	0.5	25
218	Intrasource Chemical Differentiation of Obsidian in the Jemez Mountains and Taos Plateau, New Mexico. <i>Journal of Archaeological Science</i> , 1999 , 26, 861-868	2.9	25
217	Collective excitations in Xe128 observed following the decay of Cs128 and I128. <i>Physical Review C</i> , 1979 , 19, 1025-1034	2.7	25
216	STEATITE SOURCE CHARACTERIZATION IN EASTERN NORTH AMERICA: NEW RESULTS USING INSTRUMENTAL NEUTRON ACTIVATION ANALYSIS*. <i>Archaeometry</i> , 1998 , 40, 23-44	1.6	24
215	Mesoamerican Origin for an Obsidian Scraper from the Precolumbian Southeastern United States. <i>American Antiquity</i> , 2002 , 67, 103-108	0.9	24
214	PROVENANCE STUDIES OF CHALCOLITHIC OBSIDIAN ARTEFACTS FROM NEAR LAKE URMIA, NORTHWESTERN IRAN USING WDXRF ANALYSIS. <i>Archaeometry</i> , 2010 , 52, 19-30	1.6	23
213	PROVENIENCE INVESTIGATION OF CERAMICS AND OBSIDIAN FROM OTUMBA. <i>Ancient Mesoamerica</i> , 2000 , 11, 307-321	0.9	23
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211	Chemical characterization of majolica from 14th-18th century production centers on the Iberian Peninsula: a preliminary neutron activation study. <i>Journal of Archaeological Science</i> , 2008 , 35, 425-440	2.9	22
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208	Sources of archaeological volcanic glass in the Primorye (Maritime) Province, Russian Far East*. <i>Archaeometry</i> , 2002 , 44, 505-515	1.6	22
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205	Multi-technique geochemical characterization of the Alca obsidian source, Peruvian Andes. <i>Geology</i> , 2013 , 41, 779-782	5	20
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203	Chiconautla, Mexico: A Crossroads of Aztec Trade and Politics. <i>Latin American Antiquity</i> , 2009 , 20, 443-472	5	20
202	Indigenous Ware or Spanish Import? The Case of Indígena Ware and Approaches to Power in Colonial Mexico. <i>Latin American Antiquity</i> , 2003 , 14, 67-81	0.5	20
201	PRE-HISPANIC OBSIDIAN PROCUREMENT IN THE TUXTLA MOUNTAINS, SOUTHERN VERACRUZ, MEXICO. <i>Ancient Mesoamerica</i> , 2001 , 12, 49-63	0.9	20
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198	Obsidian procurement in formative Oaxaca, Mexico: Diachronic changes in political economy and interregional interaction. <i>Journal of Field Archaeology</i> , 2011 , 36, 21-41	2	19
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196	Testing technological practices: neutron activation analysis of neolithic ceramics from Valencia, Spain. <i>Journal of Archaeological Science</i> , 2006 , 33, 671-680	2.9	19
195	Sourcing Interaction Networks of the American Southeast: Neutron Activation Analysis of Swift Creek Complicated Stamped Pottery. <i>American Antiquity</i> , 2016 , 81, 717-736	0.9	18
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186	High-altitude adaptation and late Pleistocene foraging in the Bolivian Andes. <i>Journal of Archaeological Science: Reports</i> , 2016 , 6, 463-474	0.7	16
185	Interpreting Intrasource Variation in the Composition of Obsidian: The Geoarchaeology of San Martin Jilotepeque, Guatemala. <i>Latin American Antiquity</i> , 1998 , 9, 353-369	0.5	16
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183	Sources of Archaeological Obsidian in Peru: Descriptions and Geochemistry. <i>ACS Symposium Series</i> , 2007 , 522-552	0.4	16
182	CHEMICAL ANALYSIS OF ANCIENT AFRICAN GLASS BEADS: A VERY PRELIMINARY REPORT. <i>Journal of African Archaeology</i> , 2003 , 1, 139-146	0.8	16
181	Subsource characterization: Obsidian utilization of subsources of the Coso volcanic field, Coso Junction, California, USA. <i>Geoarchaeology - an International Journal</i> , 2004 , 19, 779-805	1.4	16
180	Chemical Characteristics of Obsidian from Archaeological Sites in Western Mexico and the Tequila Source Area: Implications for Regional and Pan-Regional Interaction Within the Northern Mesoamerican Periphery. <i>Ancient Mesoamerica</i> , 1993 , 4, 255-270	0.9	16
179	Level structure of odd-mass In nuclei and the unified model. II. In117 levels populated in the decay of Cd117 isomers. <i>Physical Review C</i> , 1979 , 20, 2370-2386	2.7	16
178	THE OBSIDIAN AND CERAMICS OF THE PUUC REGION: CHRONOLOGY, LITHIC PROCUREMENT, AND PRODUCTION AT XKIPCHE, YUCATAN, MEXICO. <i>Ancient Mesoamerica</i> , 2011 , 22, 135-154	0.9	15
177	Ancient social landscapes of northwestern Argentina: preliminary results of an integrated approach to obsidian and ceramic provenance. <i>Journal of Archaeological Science</i> , 2009 , 36, 1955-1964	2.9	15
176	Feasibility of Field-Portable XRF to Identify Obsidian Sources in Central Pet̃, Guatemala. <i>ACS Symposium Series</i> , 2007 , 506-521	0.4	15
175	An evaluation of synthetic fluid inclusions for the purpose of trapping equilibrated, coexisting, immiscible fluid phases at magmatic conditions. <i>American Mineralogist</i> , 2007 , 92, 124-138	2.9	15
174	Characterization of Maya pottery by INAA and ICP-MS. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2004 , 262, 103-110	1.5	15
173	Level schemes of Rb91 and Sr91 populated in beta decay. <i>Physical Review C</i> , 1976 , 13, 1630-1643	2.7	15
172	Deconstructing a complex obsidian 'source-scape'—A geoarchaeological and geochemical approach in northwestern Patagonia. <i>Geoarchaeology - an International Journal</i> , 2019 , 34, 30-41	1.4	15
171	Obsidian geochemistry, geoarchaeology, and lithic technology in northwestern Patagonia (Argentina). <i>Journal of Archaeological Science: Reports</i> , 2017 , 13, 372-381	0.7	14
170	Las Cargas: Characterization and Prehistoric Use of a Southern Andean Obsidian Source. <i>Geoarchaeology - an International Journal</i> , 2015 , 30, 139-150	1.4	14

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166	The Terminal Formative to Classic Period Obsidian Assemblage at Palo Errado, Veracruz, Mexico. <i>Latin American Antiquity</i> , 2009 , 20, 507-524	0.5	14
165	The Obsidian Artifacts of Quelepa, El Salvador. <i>Ancient Mesoamerica</i> , 1994 , 5, 173-192	0.9	14
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160	Determining the Firing Temperature of Low-Fired Ancient Pottery: An Example from the Donghulin Site, Beijing, China. <i>Archaeometry</i> , 2014 , 56, 562-572	1.6	13
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157	A PRE-COLUMBIAN OBSIDIAN SOURCE IN SAN LUIS, HONDURAS: Implications for the relationship between Late Classic Maya political boundaries and the boundaries of obsidian exchange networks. <i>Ancient Mesoamerica</i> , 1999 , 10, 237-249	0.9	13
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153	POTREROPAMPA AND LISAHUACHO OBSIDIAN SOURCES: GEOLOGICAL ORIGINS OF ANDAHUAYLAS A AND B TYPE OBSIDIANS IN THE PROVINCE OF AYMARAES, DEPARTMENT OF APURIMAC, PERU. <i>Awpa Pacha</i> , 2006 , 28, 109-127	0.2	12
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