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# Literature

- Adovasio, James M.  
2010 *Basketry technology. A guide to identification and analysis.* Walnut Creek, Calif.
- Adovasio, James M. / Lynch, Thomas F.  
1973 Preceramic textiles and cordage from Guitarrero Cave, Peru. In: *American Antiquity* 38 (1): 84–90.
- Aldenderfer, Mark S. (ed.)  
1993a *Domestic Architecture, Ethnicity, and Complementarity in the South-Central Andes.* Iowa City.
- Aldenderfer, Mark S.  
1988 Middle Archaic Period Domestic Architecture from Southern Peru. In: *Science* 241: 1828–1830.  
1990 Asana: Un yacimiento Arcaico al aire libre en el sur del Perú. In: Watanabe, Luis K. / Moseley, Michael E. / Cabieses, Fernando (eds.), *Trabajos arqueológicos en Moquegua, Perú. Volumen 1*, pp. 91–104. Lima.  
1991 Continuity and Change in Ceremonial Structures at Late Preceramic Asana, Southern Peru. In: *Latin American Antiquity* 2 (3): 227–258.  
1993b *Domestic Space, Mobility, and Ecological Complementarity: The View from Asana.* In: Aldenderfer, Mark S. (ed.), *Domestic Architecture, Ethnicity, and Complementarity in the South-Central Andes*, pp. 13–24. Iowa City.  
1998 *Montane Foragers. Asana and the south-central Andean archaic.* Iowa City.  
1999 *Cronología y conexiones: Evidencias precerámicas de Asana.* In: Kaulicke, Peter (ed.), *El periodo arcaico en el Perú: Hacia una definición de los orígenes (= Boletín de Arqueología PUCP 3)*, pp. 375–391. Lima.
- Aldenderfer, Mark S. / Craig, Nathan M. / Speakman, Robert J. / Popelka-Filcoff, Rachel S.  
2008 Four-thousand-year-old gold artifacts from the Lake Titicaca basin, southern Peru. In: *PNAS* 105 (13): 5002–5005.
- Anderson, Edgar  
1956 Man as a maker of new plants and new plant communities. In: Thomas, W. L. (ed.), *Man's role in changing the face of the earth*, pp. 763–777. Chicago.
- Anderson, David G. / Maasch, Kirk A. / Sandweiss, Daniel H. / Mayewski, Paul A.  
2007 *Climate and culture change: exploring Holocene transitions.* In: Anderson, David G. / Maasch, Kirk A. / Sandweiss, Daniel H. (eds.), *Climate change and cultural dynamics. A global perspective on mid-Holocene transitions*, pp. 1–24. New York.
- Andrus, C. F. T. / Crowe, Douglas E. / Sandweiss, Daniel H. / Reitz, Elizabeth J. / Romanek, Christopher S.  
2002 Otolith  $\delta^{18}O$  Record of Mid-Holocene Sea Surface Temperatures in Peru. In: *Science* 295: 1508–1511.
- Arias, Carlos / Torres G., Juan  
1989/90 *Dinámica de la vegetación de las lomas del sur del Perú: Estacionalidad y productividad primaria. Caso: Lomas de Atiquipa (Arequipa).* In: *Zonas Áridas* 6: 55–76.
- Bar-Yosef, Ofer  
1998 The Natufian Culture in the Levant, threshold to the origins of agriculture. In: *Evolutionary Anthropology* 6 (5): 159–177.
- Bates, D. G.  
2001 *Human adaptive strategies: ecology, culture and politics.* <sup>2</sup> Boston.
- Beardsley, Richard K. / Holder, Preston / Krieger, Alex D. / Meggers, Betty J. / Rinaldo, John B. / Kutsche, Paul  
1956 Functional and evolutionary implications of community patterning. In: *Memoirs of the Society for American Archaeology* 11, *Seminars in Archaeology*: 1955: 129–157.
- Begler, Elsie B. / Keatinge, Richard W.  
1979 Theoretical goals and methodological realities: problems in the reconstruction of prehistoric subsistence economies. In: *World Archaeology* 11 (2): 208–226.
- Belfer-Cohen, Anna / Bar-Yosef, Ofer  
2002 Early sedentism in the Near East: A bumpy ride to village life. In: Kuijt, Ian (ed.), *Life in Neolithic farming communities. Social organization, identity, and differentiation*, pp. 19–38. New York.

- Bellwood, Peter S.  
2005 *First farmers: The origins of agricultural societies*. Malden, Oxford, Carlton.
- Benfer, Robert A.  
1982 *El Proyecto Paloma de la Universidad de Missouri y el Centro de Investigaciones de Zonas Áridas*. In: *Zonas Áridas* 2: 33–51.  
1990 *The Preceramic Period Site of Paloma, Peru: Bioindications of Improving Adaption to Sedentism*. In: *Latin American Antiquity* 1 (4): 284–318.  
1999 *Proyecto de excavaciones en Paloma, Valle de Chilca, Perú*. In: Kaulicke, Peter (ed.), *El periodo arcaico en el Perú: Hacia una definición de los orígenes (= Boletín de Arqueología PUCP 3)*, pp. 213–237. Lima.  
2008 *Early Villages*. In: Pearsall, Deborah M. (ed.), *Encyclopedia of archaeology*, pp. 368–380. San Diego.
- Beresford-Jones, David  
2004 *Pre-Hispanic Prosopis-Human Relationships on the South Coast of Peru: Riparian Forests in the Context of Environmental and Cultural Trajectories of the Lower Ica Valley*. Ph.D. thesis, University of Cambridge Cambridge.
- Beresford-Jones, David / Arce T., Susana / Whaley, Oliver Q. / Chepstow-Lusty, Alex J.  
2009 *The role of prosopis in ecological and landscape change in the Samaca basin, lower Ica valley, south coast Peru from the Early Horizon to the Late Intermediate Period*. In: *American Antiquity* 20 (2): 303–332.
- Beresford-Jones, David / Pullen, Alexander G. / Whaley, Oliver Q. / Moat, Justin / Chauca, George / Cadwallader, Lauren / Arce, Susana / Orellana, Alfonso / Alarcón, Carmela / Gorriti, Manuel / Maita, Patricia K. / Sturt, Fraser / Dupeyron, Agathe / Huaman, Oliver / Lane, Kevin J. / French, Charles  
2015 *Re-evaluating the resource potential of lomas fog oasis environments for Preceramic hunter-gatherers under past ENSO modes on the south coast of Peru*. In: *Quaternary Science Reviews* 129: 196–215.
- Bernbeck, Reinhard  
1997 *Theorien in der Archäologie*. Tübingen.
- Betancourt, Julio L. / Latorre, Claudio / Rech, J. A. / Quade, Jay / Rylander, Kate A.  
2000 *A 22,000-Year Record of Monsoonal Precipitation from Northern Chile's Atacama Desert*. In: *Science* 289: 1542–1546.
- Beynon, Diane E. / Siegel, Michael I.  
1981 *Ancient Human Remains from Central Peru*. In: *American Antiquity* 46 (1): 167–178.
- Binford, Lewis R.  
1980 *Willow Smoke and Dogs' Tails: Hunter-Gatherer Settlement Systems and Archaeological Site Formation*. In: *American Antiquity* 45 (1): 4–20.  
1982 *The Archaeology of Place*. In: *Journal of Anthropological Archaeology* 1: 5–31.  
1990 *Mobility, Housing, and Environment: A comparative Study*. In: *Journal of Anthropological Research* 46 (2): 119–152.
- Bird, Junius B.  
1948 *Preceramic Cultures in Chicama and Virú*. In: *Memoirs of the Society for American Archaeology* 4: 21–28.
- Bird, Junius B. / Hyslop, John  
1985 *The preceramic excavations at the Huaca Prieta, Chicama Valley, Peru*. *Anthropological papers of the American museum of natural history* 62. New York.
- Bird, Robert M.  
1990 *What Are the Chances of Finding Maize in Peru Dating before 1000 B.C.?: Reply to Bonavia and Grobman*. In: *American Antiquity* 55 (4): 828–840.
- Bocek, Barbara R. / Rick, John W.  
1984 *La época precerámica en la Puna de Junín: Investigaciones en la Zona de Panaulauca*. In: *Chungará (Arica)* 13: 109–127.
- Bogaard, Amy  
2005 *'Garden agriculture' and the nature of early farming in Europe and the Near East*. In: *World Archaeology* 37 (2): 177–196.
- Bonavia, Duccio  
1982 *Los Gavilanes. Mar, desierto y oasis en la historia del hombre. Precerámico Peruano*. Lima.  
1984 *La importancia de los restos de papas y camotes de época precerámica hallados en el valle de Casma*. In: *Journal de la Société des Américanistes* 70: 7–20.  
1991 *Perú: hombre y historia. De los orígenes al siglo XV*. Lima.  
1992 *Tipología lítica tentativa para el precerámico final de la costa central y septentrional del Perú*. In: Bonavia, Duccio (ed.), *Estudios de arqueología Peruana*, pp. 83–97. Lima.  
1996 *De la caza-recolección a la agricultura: Una perspectiva local*. In: *Bulletin de l'Institut Français d'Études Andines* 25 (2): 169–186.

- 2008 El maíz. Su origen, su domesticación y el rol que ha cumplido en el desarrollo de la cultura. Lima, Perú.
- 2013 Maize: Origin, Domestication, and its Role in the Development of Culture. West Nyack.
- Bonavia, Duccio / Johnson, Laura W. / Reitz, Elizabeth J. / Wing, Elisabeth S. / Weir, Glendon H.  
1993 Un sitio precerámico de Huarmey (PV35-6) antes de la introducción del maíz. In: Bulletin de l'Institut Français d'Études Andines 22 (2): 409-442.
- Bonavia, Duccio / Johnson-Kelly, Laura W. / Reitz, Elizabeth J. / Wing, Elisabeth S.  
2001 El precerámico medio de Huarmey: Historia de un sitio (PV35-106). In: Bulletin de l'Institut Français d'Études Andines 30 (2): 265-333.
- Boyd, Brian  
2006 On 'sedentism' in the Later Epipalaeolithic (Natufian) Levant. In: World Archaeology 38 (2): 164-178.
- Bronk Ramsey, Christopher  
1995 Radiocarbon Calibration and Analysis of Stratigraphy: The OxCal Program. In: Radiocarbon 37 (2): 425-430.  
2009 Bayesian analysis of radiocarbon dates. In: Radiocarbon 51 (1): 337-360.
- Brücher, Heinz  
1989 Useful plants of neotropical origin. And their wild relatives. Berlin, New York.
- Burger, Richard L.  
1992 Chavin and the origins of Andean civilization. London.
- Burger, Richard L. / Glascock, Michael D.  
2000 Locating the Quispisisa Obsidian Source in the Department of Ayacucho. In: Latin American Antiquity 11 (3): 258-268.
- Byrd, Kathleen M.  
1996 Subsistence strategies in coastal Ecuador. In: Reitz, Elisabeth / Newsom, Lee A. / Scudder, Sylvia J. (eds.), Case Studies in Environmental Archaeology: Interdisciplinary Contributions to Archaeology, pp. 305-216. New York.
- Cárdenas Martin, Mercedes  
1999 El período precerámico en el Valle de Chao. In: Kaulicke, Peter (ed.), El periodo arcaico en el Perú: Hacia una definición de los orígenes (= Boletín de Arqueología PUCP 3), pp. 141-169. Lima.
- Cardich, Augusto  
1958 Los yacimientos de Lauricocha. Studia Praehistorica 1. Buenos Aires.  
1964 Lauricocha: Fundamentos para una prehistoria de los Andes Centrales. Studia Praehistorica 3. Buenos Aires.
- Carré, Matthieu / Bentaleb, Ilhem / Fontugne, Michel / Lavallée, Danièle  
2005 Strong El Niño events during the early Holocene: stable isotope evidence from Peruvian sea shells. In: The Holocene 15 (1): 42-47.
- Carré, Matthieu / Klaric, Laurent / Lavallée, Danièle / Julien, Michèle / Bentaleb, Ilhem / Fontugne, Michel / Kwaka, Orest  
2009 Insights into early Holocene hunter-gatherer mobility on the Peruvian Southern Coast from mollusk gathering seasonality. In: Journal of Archaeological Science 36: 1173-1178.
- Cashmore, Lisa / Uomini, Natalie / Chapelain, Amandine  
2008 The evolution of handedness in humans and great apes: a review and current issues. In: Journal of Anthropological Sciences 86: 7-35.
- Castro de la Mata, Ramiro / Bonavia, Duccio  
1980 Lumboscal malformations and spina bifida in a Peruvian preceramic child. In: Current Anthropology 21 (4): 515-516.
- Childe, Vere G.  
1934 New light on the most ancient East. The Oriental prelude to European prehistory. London.  
1936 Man makes himself. London.  
1942 What happened in history. Harmondsworth.  
1951 Social evolution. London.
- Chu, Alejandro  
2006a Arquitectura monumental precerámica de Bandurria, Huacho. In: Kaulicke, Peter / Dillehay, Tom D. (eds.), Procesos y expresiones de poder, identidad y orden tempranos en Sudamérica. Primera parte (= Boletín de Arqueología PUCP 10), pp. 91-109. Lima.  
2006b La unidad doméstica durante el período precerámico en la costa del Perú: Un enfoque evolucionista. In: Uku pacha: Revista de investigaciones históricas 9: 5-12.  
2008 Bandurria: Arena, Mar y Humedal en el Surgimiento de la Civilización Andina. Huacho.  
2011 Arqueología de Huacho: Bandurria. Huacho.

- Cohen, Mark N.  
1971 Population growth, subsistence, and settlement in the Ancón-Chillón region of the Central Coast of Peru. Ph.D. thesis, University of Columbia Ann Arbor.  
1977 The food crisis in prehistory: Overpopulation and the origins of agriculture. New Haven.  
1978 Population Pressure and the Origins of Agriculture: An Archaeological Example from the Coast of Peru. In: Browman, David L. (ed.), *Advances in Andean Archaeology* (= Blackwell Studies in Global Archaeology 2), pp. 91–132. The Hague, Paris.
- Contreras, Daniel A. / Tripcevich, Nicholas / Cavero Palomino, Yuri I.  
2012 Investigaciones en la fuente de la obsidiana tipo Quispisisa, Huancasancos-Ayacucho. In: *Investigaciones Sociales* 16 (28): 185–195.
- Cowan, C. W. / Watson, Patty J. (eds.)  
1992 *The Origins of Agriculture: An International Perspective*. Washington, D.C.
- Craig, Nathan M.  
2005 The Formation of Early Settled Villages and the Emergence of Leadership: A Test of Three Theoretical Models in the Rio Ilave, Late Titicaca Basin, Southern Peru. Ph.D. thesis, University of California Santa Barbara.  
2011 Cultural dynamics, climate, and the landscape in the south-central Andes during the mid-late holocene: A consideration of two socio-natural perspectives. In: *Chungará* 43: 367–391.
- Craig, Nathan M. / Aldenderfer, Mark S. / Moyes, Holley  
2006 Multivariate visualization and analysis of photomapped artifact scatters. In: *Journal of Archaeological Science* 33: 1617–1627.
- Craig, Nathan M. / Speakman, Robert J. / Popelka-Filcoff, Rachel S. / Glascock, Michael D. / Robertson, J. D. / Shackley, M. S. / Aldenderfer, Mark S.  
2007 Comparison of XRF and PXRF for analysis of archaeological obsidian from southern Perú. In: *Journal of Archaeological Science* 34: 2012–2024.
- Creamer, Winifred / Ruiz, Alvaro / Haas, Jonathan  
2007 Archaeological Investigation of Late Archaic Sites (3000–1800 B.C.) in the Pativilca Valley, Peru. In: *Fieldiana: Anthropology* N.S. 40: 1–79.
- Cross, Scott L. / Baker, Paul A. / Seltzer, Geoffrey O. / Fritz, Sherilyn C. / Dunbar, Robert B.  
2000 A new estimate of the Holocene lowstand level of Lake Titicaca, central Andes, and implications for tropical palaeohydrology. In: *The Holocene* 10 (1): 21–32.
- Damp, Jonathan E.  
1984 Architecture of the Early Valdivia Village. In: *American Antiquity* 49: 573–585.  
1988 La primera ocupación Valdivia de Real Alto. Patronos económicos, arquitectónicos, e ideológicos. Guayaquil.
- Damp, Jonathan E. / Pearsall, Deborah M. / Kaplan, Lawrence T.  
1981 Beans for Valdivia. In: *Science* 212: 811–812.
- Damp, Jonathan E. / Jackson, Donald / Vargas, Patricia / Zambrano, Pilar  
1990 On the Waterfront: Quaternary Environments and the Formative Occupation of Southwestern Ecuador. In: *Geoarchaeology* 5 (2): 171–185.
- deFrance, Susan D. / Grayson, Nicci / Wise, Karen  
2009 Documenting 12,000 Years of Coastal Occupation on the Osmore Littoral, Peru. In: *Journal of Field Archaeology* 34: 227–246.
- deFrance, Susan D. / Umire Álvarez, Adán  
2004 Quebrada Tacahuay: Un sitio marítimo del Pleistoceno tardío en la costa sur del Perú. In: *Chungará (Arica)* 36 (2): 257–278.
- DeVries, Thomas J. / Ortlieb, Luc / Diaz, A. / Wells, Lisa E. / Hillaire-Marcel  
1997 Determining the Early History of El Niño. In: *Science* 276: 965–966.
- Diamond, Jared / Bellwood, Peter S.  
2003 Farmers and Their Languages: The First Expansions. In: *Science* 300: 597–603.
- Díaz Arriola, Luisa  
2006 El complejo Arcaico Marcavilca y la movilidad cíclica de las poblaciones tempranas de Chorrillos. In: *Arqueología y Sociedad* 17: 91–119.
- Dillehay, Tom D. (ed.)  
2011c From foraging to farming in the Andes. *New Perspectives on Food Production and Social Organization*. New York.

- Dillehay, Tom D.  
 2011a Conclusions. In: Dillehay, Tom D. (ed.), *From foraging to farming in the Andes. New Perspectives on Food Production and Social Organization*, pp. 285–310. New York.
- 2011b Foraging to Farming Community Development. In: Dillehay, Tom D. (ed.), *From foraging to farming in the Andes. New Perspectives on Food Production and Social Organization*, pp. 257–274. New York.
- 2011d Introduction. In: Dillehay, Tom D. (ed.), *From foraging to farming in the Andes. New Perspectives on Food Production and Social Organization*, pp. 1–28. New York.
- Dillehay, Tom D. / Bonavia, Duccio / Kaulicke, Peter  
 2004 *The First Settlers*. In: Silverman, Helaine (ed.), *Andean Archaeology (= Blackwell Studies in Global Archaeology 2)*, pp. 16–34. Malden, Oxford, Carlton.
- Dillehay, Tom D. / Bonavia, Duccio / Goodbred, Steven / Pino, Mario / Vásquez, Víctor F. / Tham, Teresa R.  
 2012a A late Pleistocene human presence at Huaca Prieta, Peru, and early Pacific Coastal adaptations. In: *Quaternary Research* 77: 418–423.
- Dillehay, Tom D. / Bonavia, Duccio / Goodbred, Steven / Pino, Mario / Vásquez, Víctor F. / Tham, Teresa R. / Conklin, William / Splitstoser, Jeff / Piperno, Dolores R. / Iriarte, José / Grobman, Alexander / Levi-Lazzaris, Gerson / Moreira, Daniel / López, Marilaura / Tung, Tiffany A. / Titelbaum, Anne / Verano, John W. / Adovasio, James M. / Scott Cummings, Linda / Bearéz, Phillipe / Dufour, Elise / Tombret, Olivier / Ramirez, Michael / Beavins, Rachel / DeSantis, Larisa / Rey, Isabel / Mink, Philip / Maggard, Greg J. / Franco, Teresa  
 2012b Chronology, mound-building and environment at Huaca Prieta, coastal Peru, from 13700 to 4000 years ago. In: *Antiquity* 86: 48–70.
- Dillehay, Tom D. / Eling, Herbert H. / Rossen, Jack  
 2005 Preceramic irrigation canals in the Peruvian Andes. In: *PNAS* 102 (47): 17241–17244.
- Dillehay, Tom D. / Maggard, Greg J. / Rossen, Jack / Stackelbeck, Kary L.  
 2011b Technologies and Material Culture. In: Dillehay, Tom D. (ed.), *From foraging to farming in the Andes. New Perspectives on Food Production and Social Organization*, pp. 205–228. New York.
- Dillehay, Tom D. / Netherly, Patricia J. / Rossen, Jack  
 1989 Middle preceramic public and residential sites on the forested slope of the western Andes, northern Peru. In: *American Antiquity* 54 (4): 733–759.
- 2011a Preceramic Mounds and Hillside Villages. In: Dillehay, Tom D. (ed.), *From foraging to farming in the Andes. New Perspectives on Food Production and Social Organization*, pp. 135–162. New York.
- Dillehay, Tom D. / Rossen, Jack  
 2000 The Nanchoc Lithic Tradition of Northern Peru: Microscopic use-wear analysis. In: *Andean Past* 6: 7–35.
- Dillehay, Tom D. / Rossen, Jack / Netherly, Patricia J.  
 1992 Ocupación del Precerámico Medio en la zona alta del Valle de Zaña: ¿Innovación o aculturación? In: Bonavia, Duccio (ed.), *Estudios de arqueología Peruana*, pp. 69–81. Lima.
- Dillehay, Tom D. / Rossen, Jack / Maggard, Greg / Stackelbeck, Kary L. / Netherly, Patricia  
 2003 Localization and possible social aggregation in the Late Pleistocene and Early Holocene on the north coast of Perú. In: *Quaternary International* 109–110: 3–11.
- Dillehay, Tom D. / Rossen, Jack / Andres, Thomas C. / Williams, David E.  
 2007 Preceramic Adoption of Peanut, Squash, and Cotton in Northern Peru. In: *Science* 316 (5833): 1890–1893.
- Donnan, Christopher B.  
 1964 An Early House from Chilca, Peru. In: *American Antiquity* 30 (2): 137–144.
- Duncan, Neil A. / Pearsall, Deborah M. / Benfer, Robert A.  
 2009 Gourd and squash artifacts yield starch grains of feasting foods from preceramic Peru. In: *PNAS* 106 (32): 13202–13206.
- Eitel, Bernhard / Hecht, Stefan  
 2006 Warum verschwand die Nasca-Kultur? Zur Umwelt- und Kulturentwicklung am Rand der Atacama-Wüste in Südperu. In: Glaser, Rüdiger / Kremb, Klaus (eds.), *Nord- und Südamerika*, pp. 189–200. Darmstadt.
- Eitel, Bernhard / Hecht, Stefan / Mächtle, Bertil / Schukraft, Gerd  
 2004 Warum verschwand die Nasca-Kultur? Umwelt- und Kulturentwicklung in Süd-Peru. In: *Petermanns Geographische Mitteilungen* 148 (6): 89–92.

- Eitel, Bernhard / Hecht, Stefan / Mächtle, Bertil / Schukraft, Gerd / Kadereit, Annette / Wagner, Günther A. / Kromer, Bernd / Unkel, Ingmar / Reindel, Markus  
2005 Geoarchaeological evidence from desert loess in the Nazca-Palpa region, Southern Peru: palaeoenvironmental changes and their impact on pre-Columbian cultures. *Palaeoenvironmental changes and their impact on pre-columbian cultures*. In: *Archaeometry* 47 (1): 137–158.
- Eitel, Bernhard / Mächtle, Bertil  
2006 Holozäner Umweltwandel in der nördlichen Atacama und sein Einfluss auf die Nasca-Kultur (Südperu). In: *Geographische Rundschau* 58 (4): 30–36.  
2008 Man and Environment in the Eastern Atacama Desert (Southern Peru): Holocene Climate Changes and Their Impact on Pre-Columbian Cultures. In: Reindel, Markus / Wagner, Günther A. (eds.), *New Technologies for Archaeology. Multidisciplinary Investigations in Palpa and Nasca, Peru*, pp. 17–37. Berlin, Heidelberg.
- Ellenberg, H.  
1958 Wald oder Steppe? Die natürliche Pflanzendecke der Anden Perus, I. In: *Die Umschau über Fortschritte in Wissenschaft und Technik* 58 (21): 645–648.  
1958 Wald oder Steppe? Die natürliche Pflanzendecke der Anden Perus, II. In: *Die Umschau über Fortschritte in Wissenschaft und Technik* 58 (22): 679–681.
- Emery, Irene  
2009 *The primary structures of fabrics. An illustrated classification*. London.
- Engel, Frédéric A. (ed.)  
1981 *Prehistoric Andean ecology. Man, settlement and environment in the Andes. The deep south*. New York.  
1987c *Prehistoric Andean ecology. Man, settlement and environment in the Andes. Lomas Prehistoric Andean Ecology 5*. New York.
- Engel, Frédéric A.  
1963a A preceramic settlement on the central coast of Peru: Asia, unit 1. In: *Transactions of the American Philosophical Society, New Series* 53 (3): 2–139.  
1963b Notes relatives à des explorations archéologiques à Paracas et sur la côte du Pérou. In: *Travaux de l'Institut Français des Études Andines* 9: 1–72.  
1964 El precerámico sin algodón en la costa del Perú. In: XXXV Congreso Internacional de Americanistas (ed.), *Actas y memorias*, Mexico City 1962, pp. 141–152. Mexico D.F.  
1966 Geografía humana prehistórica y agricultura precolombina de la Quebrada de Chilca. Informe preliminar. Lima.  
1970a Explorations of the Chilca Canyon, Peru. In: *Current Anthropology* 11 (1): 55–58.  
1970b La Grotte du Mégathérium à Chilca et les écologies du Haut-Holocène péruvien. In: Pouillon, Jean / Maranda, Pierre (eds.), *Échanges et communications: mélanges offerts à Claude Lévi-Strauss à l'occasion de son 60. anniversaire*, pp. 413–436. The Hague et al.  
1973 New Facts about Pre-Columbian Life in the Andean Lomas. In: *Current Anthropology* 14 (3): 271–280.  
1980 Paloma Village 613. A 6,000 Year Old "Fog Oasis" Village in the Lower Central Andes of Peru. In: Engel, Frédéric A. (ed.), *Prehistoric Andean ecology. Man, settlement and environment in the Andes*, pp. 103–135. Atlantic Highlands, N.J.  
1982 Informe del área antropológica del CIZA. 15 años de actividad antropológica. In: *Zonas Áridas* 1: 17–36.  
1987a De las begonias al maíz. Vida y producción en el Perú antiguo. Lima.  
1987b *The Chilca Monograph. Chapter B: The Fog Oases or "Lomas"*. In: Engel, Frédéric A. (ed.), *Prehistoric Andean ecology. Man, settlement and environment in the Andes. Lomas (= Prehistoric Andean Ecology 5)*, pp. 9–134. New York.  
1988a *Ecología prehistórica andina. El hombre, su establecimiento y el ambiente de los Andes, la vida en tierras áridas y semiáridas. Chilca, Pueblo 1. Implementos de hueso*. Lima.  
1988b *Ecología prehistórica Andina. El hombre, su establecimiento y el ambiente de los Andes. La vida en tierras áridas y semiáridas. Otras lomas del sur medio. Cuevas de Chilca*. Lima.  
2010 *Arqueología inédita de la Costa peruana. Cuenecas de los valles de Pisco, San Juan de Chíncha, Cañete, Omas y Mala en la costa peruana preurbanizada. Chozas, aldeas y pueblos en la costa peruana preurbanizada.*<sup>1</sup> Surco.
- Erickson, David L. / Smith, Bruce D. / Clarke, Andrew C. / Sandweiss, Daniel H. / Tuross, Noreen  
2005 An Asian origin for a 10,000-year-old domesticated plant in the Americas. In: *PNAS* 102 (51): 18315–18320.
- Estrada, Emilio  
1956 *Valdivia, un Sitio Arqueológico Formativo en la Provincia del Guayas, Ecuador. Museo Arqueológico Victor Emilio Estrada, Publicación 1*. Guayaquil.

- FAO  
2000 *Mejorando la nutrición a través de huertos y granjas familiares. Manual de capacitación para trabajadores de campo en América Latina y el Caribe.* Rome.
- Fassbinder, Jörg W. E. / Gorka, Tomasz H.  
2008 *Beneath the Desert Soil. Archaeological Prospecting with a Caesium Magnetometer.* In: Reindel, Markus / Wagner, Günther A. (eds.), *New Technologies for Archaeology. Multidisciplinary Investigations in Palpa and Nasca, Peru*, pp. 49–69. Berlin, Heidelberg.
- Fehren-Schmitz, Lars  
2008 *Molekularanthropologische Untersuchungen zur präkolumbischen Besiedlungsgeschichte des südlichen Perus am Beispiel der Palpa-Region.* Ph.D. thesis, Georg-August-Universität Göttingen.
- Fehren-Schmitz, Lars / Hummel, Susanne / Herrmann, Bernd  
2008 *Who Were the Nasca? Population Dynamics in Pre-Columbian Southern Peru Revealed by Ancient DNA Analyses.* In: Reindel, Markus / Wagner, Günther A. (eds.), *New Technologies for Archaeology. Multidisciplinary Investigations in Palpa and Nasca, Peru*, pp. 159–172. Berlin, Heidelberg.
- Fehren-Schmitz, Lars / Reindel, Markus / Tomasto Cagigao, Elsa L. / Hummel, Susanne / Herrmann, Bernd  
2010 *Pre-Columbian Population Dynamics in Coastal Southern Peru: A Diachronic Investigation of mtDNA Patterns in the Palpa Region by Ancient DNA Analysis.* In: *American Journal of Physical Anthropology* 141: 208–221.
- Fehren-Schmitz, Lars / Warnberg, Ole / Reindel, Markus / Seidenberg, Verena / Tomasto Cagigao, Elsa L. / Isla, Johny A. / Hummel, Susanne / Herrmann, Bernd  
2011 *Diachronic Investigations of Mitochondrial and Y-Chromosomal Genetic Markers in Pre-Columbian Andean Highlanders from South Peru.* In: *Annals of Human Genetics* 75: 266–283.
- Feldman, Robert A.  
1980 *Aspero, Peru: Architecture, Subsistence Economy, and Other Artifacts of a Pre-ceramic Maritime Chiefdom.* Ph.D. thesis, Harvard University Cambridge, Mass.  
1981 *Two Additional Cases of Lumbar Malformation From the Peruvian Coastal Pre-ceramic.* In: *Current Anthropology* 22 (3): 286–287.
- 1985 *Pre-ceramic Corporate Architecture: Evidence for the Development of Non-Egalitarian Social Systems in Peru.* In: Donnan, Christopher B. (ed.), *Early Ceremonial Architecture in the Andes*, pp. 71–92. Washington, D.C.
- Festing, Michael F.  
1976 *The Guinea Pig.* In: *The UFAW Handbook on the Care and Management of Laboratory Animals*, pp. 229–247. London.
- Flannery, Kent V.  
1973 *The origins of agriculture.* In: *Annual Review of Anthropology* 2: 271–310.
- Fofana, B. / Du Jardin, P. / Baudin, Jean-Pierre  
2001 *Genetic diversity in the Lima bean (Phaseolus lunatus L.) as revealed by chloroplast DNA (cpDNA) variations.* In: *Genetic Resources and Crop Evolution* 48 (5): 437–445.
- Fontugne, Michel  
2012 *Dataciones radiocarbónicas de los depósitos de la Quebrada de los Burros.* In: Lavallée, Danièle / Julien, Michèle (eds.), *Prehistoria de la costa extremo-sur del Perú. Los pescadores arcaicos de la Quebrada de los Burros (10000–7000 a. P.)* (= *Travaux de l'Institut Français d'Études Andines* 297), pp. 91–96. Lima.
- Fontugne, Michel / Usselmann, Pierre / Lavallée, Danièle / Julien, Michèle / Hatté, Christine  
1999 *El Niño Variability in the Coastal Desert of Southern Peru during the Mid-Holocene.* In: *Quaternary Research* 52: 171–179.
- Franke, Gunther (ed.)  
1980 *Nutzpflanzen der Tropen und Subtropen. Band I.* <sup>3</sup>Leipzig.
- Franke, Wolfgang  
1997 *Nutzpflanzenkunde. Nutzbare Gewächse der gemäßigten Breiten, Subtropen und Tropen.* <sup>6</sup>Stuttgart.
- Fuchs, Peter R.  
2009 *Del Arcaico Tardío al Formativo Temprano: las investigaciones en Sechín Bajo, valle de Casma.* In: Kaulicke, Peter / Onuki, Yoshio (eds.), *El Período Formativo: enfoques y evidencias recientes. Cincuenta años de la Misión Arqueológica Japonesa y su vigencia* (= *Boletín de Arqueología PUCP* 13), pp. 55–86. Lima.



- Fuchs, Peter R. / Patzschke, Renate / Schmitz, Claudia / Yenque, Germán / Briceño, Jesús G.  
2006 Investigaciones arqueológicas en el sitio de Sechín Bajo, Casma. In: Kaulicke, Peter / Dillehay, Tom D. (eds.), *Procesos y expresiones de poder, identidad y orden tempranos en Sudamérica*. Primera parte (= Boletín de Arqueología PUCP 10), pp. 111–135. Lima.
- Gade, Daniel W.  
1967 The Guinea Pig in Andean Folk Culture. In: *Geographical Review* 57 (2): 213–224.
- Gay, S. P.  
1999 Observations regarding the movement of barchan sand dunes in the Nazca to Tanaca area of southern Peru. In: *Geomorphology* 27: 279–293.
- Gepts, Paul  
2001 *Phaseolus vulgaris* (Beans). In: *Encyclopedia of Genetics*, pp. 1444–1445. San Diego et al.
- Gero, Joan M.  
1986 Review on MacNeish et. al 1982, *Prehistory of the Ayacucho Basin, Peru, Volume IV: The Preceramic Way of Life*. In: *American Antiquity* 51 (2): 436–438.
- Giovannetti, Marco A. / Lema, Verónica S. / Bartoli, Carlos G. / Capparelli, Aylén  
2008 Starch grain characterization of *Prosopis chilensis* (Mol.) Stuntz and *P. flexuosa* DC, and the analysis of their archaeological remains in Andean South America. In: *Journal of Archaeological Science* 35 (11): 2973–2985.
- Göbel, Barbara  
1993 *Die Anfänge des Bodenbaus in Meso- und Südamerika: Quellenkritik und Analyse von Erklärungsmodellen*. *Acta Mesoamericana* 6. Möckmühl.
- Gobierno Regional de Ica  
2002 *Plan de desarrollo de la región Ica 2003–2006*.
- Goldhausen, Marco / Götzelt, Thomas / Viviano, Carlos / Barreto, María I. / Gorriti, Manuel / Loli, Ronald  
2011 Zwischen Valdivia und Chinchorro. Ursprung und Entwicklung der ältesten Zivilisation der Neuen Welt an der Küste von Peru. In: *Amerindian Research* 22: 211–224.
- Goldhausen, Marco / Vivano, Carlos / Abanto, Julio / Espinoza, Pedro / Loli, Ronald  
2006 La ocupación precerámica en la Quebrada Orcón-Pacaybamba, valle medio de Chancay, Lima. In: Kaulicke, Peter / Dillehay, Tom D. (eds.), *Procesos y expresiones de poder, identidad y orden tempranos en Sudamérica*. Primera parte (= Boletín de Arqueología PUCP 10), pp. 137–166. Lima.
- Gorbahn, Hermann  
2013 The Middle Archaic site of Pernil Alto, Southern Peru: The beginnings of horticulture and sedentari-ness in Mid-Holocene conditions. In: *Diálogo Andino* 41: 61–82.
- Griener, Terence  
1988 Radiocarbon measurements. In: Griener, Terence / Bueno Mendoza, Alberto / Smith, C. E. / Malina, Robert M. / Smith, Claude E. (eds.), *La Galgada, Peru. A preceramic culture in transition*, pp. 68–72. Austin.
- Grobman, Alexander / Bonavia, Duccio / Dillehay, Tom D. / Piperno, Dolores R. / Iriarte, José / Holst, Irene  
2012 Preceramic maize from Paredones and Huaca Prieta, Peru. In: *Proceedings of the National Academy of Sciences* 109 (5): 1755–1759.
- Guillén, Sonia E.  
1997 Morro 1–5 (Arica). Momias y sociedades complejas del Arcaico de los Andes Centrales. In: Kaulicke, Peter (ed.), *La Muerte en el Antiguo Perú: Contextos y Conceptos Funerarios* (= Boletín de Arqueología PUCP 1), pp. 65–78. Lima.
- Guillén, Sonia E. / Carpio, Gerardo  
1999 Violencia en el desierto: Un entierro arcaico en el sitio de Villa del Mar-IPPS, Ilo. In: Kaulicke, Peter (ed.), *El periodo arcaico en el Perú: Hacia una definición de los orígenes* (= Boletín de Arqueología PUCP 3), pp. 365–373. Lima.
- Gusinde, Martin  
1931–1939 *Die Feuerlandindianer: Ergebnisse meiner vier Forschungsreisen in den Jahren 1918 bis 1924, unternommen im Auftrage des Ministerio de Instrucción Pública de Chile*. Mölding.
- Gutiérrez Salgado, A. / Gepts, Paul / Debouck, D. G.  
1995 Evidence for two gene pools of the Lima bean, *Phaseolus lunatus* L., in the Americas. In: *Genetic Resources and Crop Evolution* 42: 15–28.

- Haas, Jonathan / Creamer, Winifred  
2004 Cultural Transformations in the Central Andean Late Archaic. In: Silverman, Helaine (ed.), *Andean Archaeology* (= Blackwell Studies in Global Archaeology 2), pp. 35–50. Malden, Oxford, Carlton.
- 2006 Crucible of Andean Civilization. The Peruvian Coast from 3000 to 1800 BC. In: *Current Anthropology* 47 (5): 745–775.
- Haas, Jonathan / Creamer, Winifred / Ruiz, Alvaro  
2004a Dating the Late Archaic occupation of the Norte Chico region in Peru. In: *Nature* 432 (7020): 1020–1023.
- 2004b Power and Emergence of Complex Polities in the Peruvian Preceramic. In: Vaughn, Kevin J. / Ogburn, D. / Conlee, Christina A. (eds.), *Foundations of power in the Prehispanic Andes*, pp. 37–52. Washington, D.C.
- Haas, Jonathan / Creamer, Winifred / Huamán Mesía, Luis / Goldstein, David / Reinhard, Karl J. / Rodriguez, Cindy V.  
2013 Evidence for maize (*Zea mays*) in the Late Archaic (3000–1800 B.C.) in the Norte Chico region of Peru. In: *PNAS* 110 (13): 4945–4949.
- Haas, Jonathan / Perales Munguia, Manuel F.  
2004 Proyecto de Investigación Arqueológica en el Norte Chico: Excavaciones en Caballote, Valle de Fortaleza, Perú. Informe final 2004.
- Haberland, Wolfgang  
1991 *Amerikanische Archäologie. Geschichte, Theorie, Kulturentwicklung*. Darmstadt.
- Harlan, Jack R.  
1971 Agricultural Origins: Centers and Noncenters. In: *Science* 174: 468–474.
- Harris, David R. (ed.)  
1996a *The origins and spread of agriculture and pastoralism in Eurasia*. London.
- Harris, David R.  
1972 The origins of agriculture in the tropics. In: *American Scientist* 60 (2): 180–193.
- 1996b Domesticatory relationships of people, plants and animals. In: Ellen, R. / Fukui, K. (eds.), *Redefining nature: ecology, culture and domestication*, pp. 437–463. Oxford.
- 2007 Agriculture, Cultivation and Domestication: Exploring the Conceptual Framework of Early Food Production. In: Denham, Tim / Iriarte, José / Vrydaghs, Luc (eds.), *Rethinking Agriculture: Archaeological and Ethnoarchaeological Perspectives* (= One World Archaeology Series 51), pp. 16–35. Walnut Creek.
- Harris, Edward C.  
1989 *Principles of archaeological stratigraphy*.<sup>2</sup>London.
- Harris, David R. / Childe, Vere G. (eds.)  
1994 *The archaeology of V. Gordon Childe. Contemporary perspectives*. Chicago.
- Herrmann, Bernd / Grupe, Gisela / Hummel, Susanne / Piepenbrink, Hermann / Schutkowski, Holger  
1990 *Prähistorische Anthropologie. Leitfaden der Feld- und Labormethoden*. Berlin.
- Hernández Bermejo, J. E. / León, J.  
1994 *Neglected crops. 1492 from a different perspective*. Rome.
- Hesse, Ralf  
2008 Fluvial dynamics and cultural landscape evolution in the Rio Grande de Nazca drainage basin, Southern Peru. *BAR International Series* 1787. Oxford.
- Hesse, Ralf / Baade, Jussi  
2007a Early Horizon anthrosols in the Palpa Valley, Southern Peru. In: *Geo-Öko* 28: 160–185.
- 2007b Palaeoenvironmental changes in the Nazca-Palpa region, southern Peru - alternative interpretations of geoarchaeological evidence. A comment on B. Eitel et al., geoarchaeological evidence from desert loess in the Nazca-Palpa region, southern Peru: Palaeoenvironmental changes and their impact on pre-columbian cultures, *Archaeometry*, 47 (1), 137–58, 2005. In: *Archaeometry* 49 (3): 595–602.
- 2009 Irrigation agriculture and the sedimentary record in the Palpa Valley, southern Peru. In: *Catena* 77: 119–129.
- Hillson, Simon  
2008 The current state of dental decay. In: Irish, Joel D. / Nelson, Greg C. (eds.), *Technique and Application in Dental Anthropology*, pp. 111–135. Leiden.
- Holmgren, Camille A. / Betancourt, Julio L. / Rylander, Kate A. / Roque, Jose / Tovar, Oscar / Zeballos, Horacio / Linares, Eliana / Quade, Jay  
2001 Holocene Vegetation History from Fossil Rodent Middens near Arequipa, Peru. In: *Quaternary Research* 56 (2): 242–251.

- Horkheimer, Hans  
1960 Nahrung und Nahrungsgewinnung im vorspanischen Peru. *Bibliotheca Ibero-Americana* 2. Berlin.
- Horn, Peter / Hölzl, Stefan / Rummel, Susanne / Åberg, Göran / Schiegl, Solveig / Biermann, Daniela / Struck, Ulrich / Rossmann, Andreas  
2008 Humans and Camelids in River Oases of the Ica-Palpa-Nazca Region in Pre-Hispanic Times – Insights from H-C-N-O-S-Sr Isotope Signatures. In: Reindel, Markus / Wagner, Günther A. (eds.), *New Technologies for Archaeology. Multidisciplinary Investigations in Palpa and Nasca, Peru*, pp. 173–192. Berlin, Heidelberg.
- Isla, Johnny A.  
1990 La Esmeralda: Una ocupación del Período Arcaico en Cahuachi, Nasca. In: *Gaceta Arqueológica Andina* 5 (20): 67–80.  
2008 From Hunters to Regional Lords: Funerary Practices in Palpa, Peru. In: Reindel, Markus / Wagner, Günther A. (eds.), *New Technologies for Archaeology. Multidisciplinary Investigations in Palpa and Nasca, Peru*, pp. 119–139. Berlin, Heidelberg.  
2010 Perspectivas sobre el proceso cultural en los valles de Palpa, costa sur del Perú. In: Valle Alvarez, Luis (ed.), *Arqueología y desarrollo. Experiencias y posibilidades en el Perú*, pp. 15–52. Trujillo.
- Isla, Johnny A. / Reindel, Markus / La Torre Z., Juan C. de  
2003 Jauranga: un sitio Paracas en el valle de Palpa, costa sur del Perú. In: *Beiträge zur Allgemeinen und Vergleichenden Archäologie* 23: 227–274.
- Izumi, Seiichi / Sono, Toshihiko  
1963 *Andes 2. Excavations at Kotosh, Peru, 1960*. Tokio.
- Izumi, Seiichi / Terada, Kazuo  
1972 *Andes 4. Excavations at Kotosh: 1963 and 1964*. Tokio.
- Jenny, Bettina / Valero-Gracés, Blas L. / Urrutia, Roberto / Geyh, Mebus A. / Veit, Heinz  
2002 Early to Mid-Holocene Aridity in Central Chile and the Southern Westerlies: The Laguna Aculeo Record (34S). In: *Quaternary Research* 58 (2): 160–170.
- Jones, John G.  
1988 Middle to Late Pre-ceramic (6000–3000 B.P.) Subsistence Patterns on the Central Coast of Peru: The Coprolite Evidence. M.A. thesis, Texas A&M University College Station.
- Julien, M. / Lavallée, Danièle / Dietz, M.  
1981 Les sépultures préhistoriques de Telarmachay. In: *Bulletin de l'Institut Français d'Études Andines* 10 1/2: 85–100.
- Kaplan, Lawrence T.  
1980 Variation in the Cultivated Beans. In: Lynch, Thomas F. (ed.), *Guitarrero Cave. Early man in the Andes (= Studies in Archaeology 1)*, pp. 145–148. New York.
- Kaplan, Lawrence T. / Lynch, Thomas F.  
1999 Phaseolus (Fabaceae) in Archaeology: AMS Radiocarbon Dates and their Significance for Pre-Columbian Agriculture. In: *Economic Botany* 53 (3): 261–272.
- Kaplan, Lawrence T. / Lynch, Thomas F. / Smith, Claude E.  
1973 Early Cultivated Beans (*Phaseolus vulgaris*) from an Intermontane Peruvian Valley. In: *Science* 179: 76–77.
- Kaulicke, Peter  
1980 Der Abri Uchkumachay und seine zeitliche Stellung innerhalb der lithischen Perioden Perus. In: *Beiträge zur Allgemeinen und Vergleichenden Archäologie* 2: 429–458.  
1994 Los orígenes de la civilización andina. *Arqueología del Perú. Historia general del Perú* 1. Lima.  
1999 Contribuciones hacia la cronología del Período Arcaico en las punas de Junín. In: Kaulicke, Peter (ed.), *El periodo arcaico en el Perú: Hacia una definición de los orígenes (= Boletín de Arqueología PUCP 3)*, pp. 307–324. Lima.  
2007 Simplificación y complejización de la complejidad social temprana: Una introducción. In: Kaulicke, Peter / Dillehay, Tom D. (eds.), *Procesos y expresiones de poder, identidad y orden tempranos en Sudamérica. Segunda Parte (= Boletín de Arqueología PUCP 11)*, pp. 9–22. Lima.  
2010 Las cronologías del Formativo. 50 años de investigaciones japonesas en perspectiva. Lima.
- Kaulicke, Peter / Dillehay, Tom D.  
1999 Introducción: ¿Porqué estudiar el periodo arcaico en el Perú? In: Kaulicke, Peter (ed.), *El periodo arcaico en el Perú: Hacia una definición de los orígenes (= Boletín de Arqueología PUCP 3)*, pp. 9–17. Lima.
- Keatinge, Richard W. (ed.)  
1988 *Peruvian Prehistory. An overview of pre-Inca and Inca society*. Cambridge, New York, New Rochelle, Melbourne, Sydney.

- Keefe, David K. / deFrance, Susan D. / Moseley, Michael E. / Richardson, James B. / Satterlee, Dennis R. / Day-Lewis, Amy  
1998 Early Maritime Economy and El Niño Events at Quebrada Tacahuay, Peru. In: *Science* 281: 1833–1835.
- Keefe, David K. / Moseley, Michael E. / deFrance, Susan D.  
2003 A 38 000-year record of floods and debris flows in the Ilo region of southern Peru and its relation to El Niño events and great earthquakes. In: *Palaeogeography, Palaeoclimatology, Palaeoecology* 194 1–3: 41–77.
- Kelly, Robert L.  
1992 Mobility/Sedentism: Concepts, Archaeological Measures, and Effects. In: *Annual Review of Anthropology* 21: 43–66.
- Kessler, Michael  
2002 The "polylepis problem": Where do we stand? In: *Ecotropica* 8: 97–110.
- Kistler, L. / Montenegro, A. / Smith, Bruce D. / Gifford, J. A. / Green, R. E. / Newsom, L. A. / Shapiro, B.  
2014 Transoceanic drift and the domestication of African bottle gourds in the Americas. In: *PNAS* 111: 2937–2941.
- Kosok, Paul  
1965 *Life, Land and Water in Ancient Peru*. Brooklyn.
- Kroeber, A. L.  
1944 *Peruvian Archaeology in 1942*. Viking Fund Publications in Anthropology 4. New York.
- Kuznar, Lawrence A.  
1989 The Domestication of Camelids in Southern Peru: Models and Evidence. In: Rice, Don S. / Stanish, Charles / Scarr, Phillip R. (eds.), *Ecology, settlement, and history in the Osmore drainage, Peru* (= BAR International Series 545 (i)), pp. 167–182. Oxford, England.
- Lanning, Edward P.  
1963 A Pre-Agricultural Occupation on the Central Coast of Peru. In: *American Antiquity* 28 (3): 360–371.  
1965 Early Man in Peru. In: *Scientific American* 213 (4): 68–76.  
1967 *Peru before the Incas*. Englewood Cliffs.
- Lanning, Edward P. / Hammel, Eugene A.  
1961 Early Lithic Industries of Western South America. In: *American Antiquity* 27 (2): 139–154.
- Larsen, Clark S.  
2002 Bioarchaeology: The Lives and Lifestyles of Past People. In: *Journal of Anthropological Research* 10 (2): 119–166.
- Lathrap, Donald W. / Marcos, Jorge G. / Zeidler, James A.  
1977 Real Alto: An Ancient Ceremonial Center. In: *Archaeology* 30: 2–13.
- Lavallée, Danièle  
1990 La domestication animale en Amérique du Sud. Le point des connaissances. In: *Bulletin de l'Institut Français d'Études Andines* 19 (1): 25–44.  
2000 The first South Americans. The peopling of a continent from the earliest evidence to high culture. Salt Lake City.
- Lavallée, Danièle / Béarez, Philippe  
2012 Explotación de los moluscos, crustáceos y equinodermos. In: Lavallée, Danièle / Julien, Michèle (eds.), *Prehistoria de la costa extremo-sur del Perú. Los pescadores arcaicos de la Quebrada de los Burros (10000 - 7000 a. P.)* (= *Travaux de l'Institut Français d'Études Andines* 297), pp. 125–140. Lima.
- Lavallée, Danièle / Béarez, Philippe / Chevalier, Alexandre / Julien, Michèle / Usselman, Pierre / Fontugne, Michel  
1999a Paleambiente y ocupación prehistórica del litoral extremo-sur del Perú. Las ocupaciones del Arcaico en la Quebrada de los Burros y alrededores (Tacna, Perú). In: Kaulicke, Peter (ed.), *El periodo arcaico en el Perú: Hacia una definición de los orígenes* (= *Boletín de Arqueología PUCP* 3), pp. 393–416. Lima.
- Lavallée, Danièle / Julien, Michèle (eds.)  
2012a Prehistoria de la costa extremo-sur del Perú. Los pescadores arcaicos de la Quebrada de los Burros (10000 - 7000 a. P.). *Travaux de l'Institut Français d'Études Andines* 297. Lima.
- Lavallée, Danièle / Julien, Michèle  
2012b Conclusión. In: Lavallée, Danièle / Julien, Michèle (eds.), *Prehistoria de la costa extremo-sur del Perú. Los pescadores arcaicos de la Quebrada de los Burros (10000–7000 a. P.)* (= *Travaux de l'Institut Français d'Études Andines* 297), pp. 421–436. Lima.

- Lavallée, Danièle / Julien, Michèle / Wheeler, Jane C. / Karlin, Claudine  
1985 *Telarmachay: Chasseurs et Pasteurs Préhistoriques des Andes*. Editions Recherche sur les Civilisations, Synthèse 20. Paris.
- Lavallée, Danièle / Julien, Michèle / Béarez, Philippe / Usselman, Pierre / Fontugne, Michel / Bolaños, Aldo  
1999b *Pescadores-recolectores araicos del extremo sur peruano. Excavaciones en la Quebrada de los Burros (Tacna, Perú). Primeros resultados 1995–1997*. In: *Bulletin de l'Institut Français d'Études Andines* 28 (1): 13–52.
- Lieberei, Reinhard / Reisdorff, Christoph  
2007 *Nutzpflanzenkunde*. <sup>7</sup> Stuttgart.
- Lioi, Lucia  
1996 *Phaseolin diversity in wild Lima bean (Phaseolus lunatus L.) in American centres of origin*. In: *Genetic Resources and Crop Evolution* 43: 575–580.
- Lioi, Lucia / Sparvoli, Francesca / Bollini, Roberto  
1999 *Variation and genomic polymorphism of lectin-related proteins in Lima bean (Phaseolus lunatus L.) seeds*. In: *Genetic Resources and Crop Evolution* 46: 175–182.
- Longhurst, Alan A.  
1998 *Ecological geography of the sea*. San Diego.
- Lumbreras, Luis G.  
2006 *Un Formativa sin cerámica y cerámica preformativa*. In: *Estudios Atacameños. Arqueología y Antropología Surandinas* 32: 11–34.
- Lynch, Thomas F. (ed.)  
1980a *Guitarrero Cave. Early man in the Andes. Studies in Archaeology 1*. New York.
- Lynch, Thomas F.  
1980b *Stratigraphy and Chronology*. In: Lynch, Thomas F. (ed.), *Guitarrero Cave. Early man in the Andes (= Studies in Archaeology 1)*, pp. 29–43. New York.
- 1984 *Review on MacNeish et. al 1981, Prehistory of Ayacucho Basin, Peru, Volume II: Excavations and Chronology*. In: *American Anthropologist* 86 (3): 762–764.
- Lynch, Thomas F. / Gillespie, R. / Gowlett, John A. J. / Hedges, Robert E. M.  
1985 *Chronology of Guitarrero Cave*. In: *Science* 229: 864–867.
- Mächtle, Bertil  
2007 *Geomorphologisch-bodenkundliche Untersuchungen zur Rekonstruktion der holozänen Umweltgeschichte in der nördlichen Atacama im Raum Palpa, Südperu*. Heidelberger Geographische Arbeiten 123. Heidelberg.
- Mächtle, Bertil / Eitel, Bernhard / Kadereit, Annette / Unkel, Ingmar  
2006 *Holocene environmental changes in the northern Atacama desert, southern Peru (14°30' S) and their impact on the rise and fall of Pre-Columbian cultures*. In: *Zeitschrift für Geomorphologie N.F. Supl.-Vol.* 142: 47–62.
- Mächtle, Bertil / Unkel, Ingmar / Eitel, Bernhard / Kromer, Bernd / Schiegl, Solveig  
2010 *Mollusks as evidence for a late Pleistocene and early Holocene humid period in the southern coastal desert of Peru (14.5° S)*. In: *Quaternary Research* 73 (1): 39–47.
- MacNeish, Richard S.  
1981a *The Stratigraphy of Pikimachay, Ac 100*. In: MacNeish, Richard S. / Cook, Angel G. / Lumbreras, Luis G. / Vierra, Robert K. / Nelken-Terner, Antoinette (eds.), *Prehistory of the Ayacucho Basin, Peru. Volume II: Excavations and Chronology*, pp. 19–58. Ann Arbor.
- 1981b *Synthesis and Conclusions*. In: MacNeish, Richard S. / Cook, Angel G. / Lumbreras, Luis G. / Vierra, Robert K. / Nelken-Terner, Antoinette (eds.), *Prehistory of the Ayacucho Basin, Peru. Volume II: Excavations and Chronology*, pp. 199–258. Ann Arbor.
- 1981c *Seasonality of the Components*. In: MacNeish, Richard S. / Cook, Angel G. / Lumbreras, Luis G. / Vierra, Robert K. / Nelken-Terner, Antoinette (eds.), *Prehistory of the Ayacucho Basin, Peru. Volume II: Excavations and Chronology*, pp. 149–166. Ann Arbor.
- 1983 *The Ayacucho-Pre-ceramic Sequence of Cultural Energy-Flow Systems*. In: MacNeish, Richard S. / Vierra, Robert K. / Nelken-Terner, Antoinette / Lurie, Rochelle / Cook, Angel G. (eds.), *Prehistory of the Ayacucho Basin, Peru. Volume IV: The Pre-ceramic Way of Life*, pp. 236–280. Ann Arbor.
- 1992 *The Origins of Agriculture and Settled Life*. Norman, London.
- MacNeish, Richard S. / Cook, Angel G. / Lumbreras, Luis G. / Vierra, Robert K. / Nelken-Terner, Antoinette (eds.)  
1981 *Prehistory of the Ayacucho Basin, Peru. Volume II: Excavations and Chronology*. Ann Arbor.

- MacNeish, Richard S. / Vierra, Robert K.  
1983a The Preceramic Way of Life in the Puna. In: MacNeish, Richard S. / Vierra, Robert K. / Nelken-Terner, Antoinette / Lurie, Rochelle / Cook, Angel G. (eds.), *Prehistory of the Ayacucho Basin, Peru. Volume IV: The Preceramic Way of Life*, pp. 225–235. Ann Arbor.
- 1983b The Preceramic Way of Life in the Thorn Forest Scrub Ecozone. In: MacNeish, Richard S. / Vierra, Robert K. / Nelken-Terner, Antoinette / Lurie, Rochelle / Cook, Angel G. (eds.), *Prehistory of the Ayacucho Basin, Peru. Volume IV: The Preceramic Way of Life*, pp. 130–187. Ann Arbor.
- MacNeish, Richard S. / Vierra, Robert K. / Nelken-Terner, Antoinette / Pagan, Carl J. (eds.)  
1980 *Prehistory of the Ayacucho Basin, Peru. Volume III: Nonceramic Artifacts*. Ann Arbor.
- MacNeish, Richard S. / Vierra, Robert K. / Nelken-Terner, Antoinette / Lurie, Rochelle / Cook, Angel G. (eds.)  
1983 *Prehistory of the Ayacucho Basin, Peru. Volume IV: The Preceramic Way of Life*. Ann Arbor.
- Madsen, Torsten  
2007 CAPCA Version 2.0. , <http://www.archaeoinfo.dk/> (accessed April 11, 2011).
- Malina, Robert M.  
1988 Skeletal materials from La Galgada. In: Grieder, Terence / Bueno Mendoza, Alberto / Smith, C. E. / Malina, Robert M. / Smith, Claude E. (eds.), *La Galgada, Peru. A preceramic culture in transition*, pp. 103–124. Austin.
- Malpass, Michael A. / Stothert, Karen E.  
1992 Evidence for Preceramic Houses and Household Organization in Western South America. In: *Andean Past* 3: 137–163.
- Marcos, Jorge G. (ed.)  
1986 *Arqueología de la costa ecuatoriana. Nuevos enfoques*. Biblioteca Ecuatoriana de Arqueología 1. Quito.
- Marcos, Jorge G.  
2003 A Reassessment of the Ecuadorian Formative. In: Raymond, J. S. / Burger, Richard L. (eds.), *Archaeology of formative Ecuador. A symposium at Dumbarton Oaks* 7 and 8 October 1995, pp. 7–32. Washington, D.C.
- Marcus, Joyce / Sommer, Jeffrey D. / Glew, Christopher P.  
1999 Fish and mammals in the economy of an ancient Peruvian kingdom. In: *PNAS* 96: 6564–6570.
- Marshall, Yvonne M.  
2006 Introduction: adopting a sedentary lifeway. In: *World Archaeology* 38 (2): 153–163.
- Matos M., Ramiro  
1975 Prehistoria y ecología humana en las Punas de Junín. In: *Revista del Museo Nacional* 41: 37–80.
- Mayewski, Paul A. / Rohling, Eelco E. / Stager, J. C. / Karlén, Wibjörn / Maasch, Kirk A. / Meeker, L. D. / Meyerson, Eric A. / Gasse, Françoise / van Kreveld, Shirley / Holmgren, Karin / Lee-Thorp, Julia / Rosqvist, Gunhild / Rack, Frank / Staubwasser, Michael / Schneider, Ralph R. / Steig, Eric J.  
2004 Holocene climate variability. In: *Quaternary Research* 62: 243–255.
- McCormac, F. G. / Hogg, Alan G. / Blackwell, Paul G. / Buck, Caitlin E. / Higham, T. F. G. / Reimer, Paula J.  
2004 ShCal04 southern hemisphere calibration, 0–11.0 cal kyr BP. In: *Radiocarbon* 46 (3): 1087–1092.
- Ministerio de Agricultura del Perú  
2012 Calendario agrícola nacional. (<http://www.minag.gob.pe/agricola/calendario-agricola.html> (accessed December 20, 2012).
- Moetz, Fevzi K.  
2014 Sesshaftwerdung. Aspekte der Niederlassung im Neolithikum in Obermesopotamien. *Universitätsforschungen zur prähistorischen Archäologie* 244. Bonn.
- Moseley, Michael E.  
1968 Changing subsistence patterns: late preceramic archaeology of the central Peruvian coast. Ph.D. thesis, Harvard University Cambridge.  
1973 Aspero, Peru: A Reexamination of the site and Its implications. In: *American Antiquity* 38 (4): 452–468.  
1975 *The Maritime Foundations of Andean Civilization*. Menlo Park.  
1978 *The Evolution of Andean Civilization*. In: Jennings, Jesse D. (ed.), *Ancient native Americans*, pp. 491–541. San Francisco.  
1992 *The Incas and their ancestors: the archaeology of Peru*. London.
- Moseley, Michael E. / Barrett, Linda K.  
1969 Change in Preceramic Twined Textiles from the Central Peruvian Coast. In: *American Antiquity* 34 (2): 162–165.

- Moseley, Michael E. / Mackey, Carol J.  
1972 Peruvian Settlement Pattern Studies and Small Site Methodology. In: *American Antiquity* 37 (1): 67–81.
- Muelle, Jorge C. / Ravines, Rogger  
1973 Los estratos precerámicos de Ancón. In: *Revista del Museo Nacional* 39: 49–70.
- Müller, Johannes  
2010 Zur Rekonstruktion des Mehrproduktes in neolithischen Haushalten. In: Matuschik, Irenäus / Strahm, Christian / Eberschweiler, Beat / Fingerlin, Gerhard / Hafner, Albert / Kinsky, Michael / Mainberger, Martin / Schöbel, Gunter (eds.), *Vernetzung. Aspekte siedlungsarchäologischer Forschung. Festschrift für Helmut Schlichterle zum 60. Geburtstag*, pp. 51–62. Freiburg.
- Müller, Johannes / Hofmann, Robert / Müller-Scheeßel, Nils / Rassmann, Knut  
2013 Neolithische Arbeitsteilung: Spezialisierung in einem Tell um 4900 v. Chr. In: Anders, Alexandra / Kulcsár, Gabriella / Kalla, Gábor / Kiss, Viktória / Szabó, Gábor V. (eds.), *Moments in time. Papers Presented to Pál Raczky on His 60th Birthday (= Prehistoric Studies 1)*, pp. 407–420. Budapest.
- Müller, Johannes / Zimmermann, Andreas (eds.)  
1997 *Archäologie und Korrespondenzanalyse. Beispiele, Fragen, Perspektiven. Internationale Archäologie* 23. Espelkamp.
- Muñoz Ovalle, Ivan  
1993 Spatial Dimensions of Complementary Resource Utilization at Acha-2 and San Lorenzo. In: Aldenderfer, Mark S. (ed.), *Domestic Architecture, Ethnicity, and Complementarity in the South-Central Andes*, pp. 94–102. Iowa City.
- Murdock, G. P.  
1967 Ethnographic atlas: a summary. In: *Ethnology* 6: 109–236.
- Murra, John V.  
1972 El control vertical de un máximo de pisos ecológicos en la economía de las sociedades andinas. In: Murra, John V. (ed.), *Formaciones económicas y políticas del Mundo Andino*, pp. 59–116. Lima.
- Nieuwenhuis, Cannah J.  
2008 The Significance of Wear and Residue Studies: An Example from Plum Piece, Saba. In: Hofman, Corinne L. / Hoogland, Menno L. P. / van Gijn, Annelou L. (eds.), *Crossing the borders. New methods and techniques in the study of archaeological materials from the Caribbean*, pp. 125–136. Tuscaloosa.
- Núñez, Lautaro A. / Grosjean, Martin / Cartajena, Isabel  
2010 Sequential analysis of human occupation patterns and resource use in the Atacama desert. In: *Chungará* 42 (2): 363–391.
- Núñez, Lautaro A. / Hall, Henri J.  
1982 Análisis de dieta y movilidad en un campamento arcaico del norte de Chile. In: *Bulletin de l'Institut Français d'Études Andines* 11 3/4: 91–113.
- O'Fallon, B. D. / Fehren-Schmitz, Lars  
2011 Native Americans experienced a strong population bottleneck coincident with European contact. In: *PNAS* 108 (51): 20444–20448.
- ONERN (Oficina nacional de evaluación de recursos naturales)  
1971a *Inventario, evaluación y uso racional de los recursos naturales de la costa. Cuenca del Río Grande (Nazca). Volumen II: Anexos y mapas*. Lima.  
1971b *Inventario, evaluación y uso racional de los recursos naturales de la costa. Cuenca del Río Grande (Nazca). Volumen I: Informe*. Lima.  
1971d *Inventario, evaluación y uso racional de los recursos naturales de la costa. Cuenca del Río Ica. Volumen II: Anexos y mapas*. Lima.  
1971c *Inventario, evaluación y uso racional de los recursos naturales de la costa. Cuenca del Río Ica. Volumen I: Informe*. Lima.  
1972 *Inventario, evaluación y uso racional de los recursos naturales de la costa. Cuencas de los ríos Fortaleza, Pativilca y Supe. Volumen I: Informe*. Lima.  
1976 *Mapa ecológico del Perú*.
- Orefici, Guiseppe  
2012 *Cahuachi. Capital Teocrática Nasca*. Lima.
- Oviedo y Valdés, Gonzalo F. de  
1535 *Historia general y natural de las Indias, islas y tierra-firme del mar océano [Real Academia de la Historia. Tercera parte. Tomo IV. 1855. Madrid]*.
- Pagán Jiménez, Jaime R. / Oliver, José R.  
2008 Starch Residues on Lithic Artifacts from Two Contrasting Contexts in Northwestern Puerto Rico: Los Muertos Cave and Vega de Nelo Vargas Farmstead. In: Hofman, Corinne L. / Hoogland, Menno L. P. / van Gijn, Annelou L. (eds.), *Crossing*

- the borders. New methods and techniques in the study of archaeological materials from the Caribbean, pp. 137–158. Tuscaloosa.
- Palomino, Injante V.  
2006 Report only relict population of the Peruvian Guanaco (*Lama Guanicoe*) left in the coastal desert of Las Lomas de San Fernando, Department of Ica - 2003. Reporte del único relicto de población del Guanaco Peruano (*Lama Guanicoe*) olvidado en el desierto costero de Las Lomas de San Fernando, departamento de Ica - 2003. In: Miragaya, M. / Olivera, Daniel E. / Puig, S. (eds.), IV Congreso Mundial sobre Camélidos. Resúmenes y trabajos. IV Congreso Mundial sobre Camélidos, Santa María 11.-15.10.2006, pp. 1–4. Buenos Aires.
- Papa, Roberto / Nanni, Laura / Sicard, Delphine / Rau, Domenico / Attene, Giovanna  
2006 Evolution of Genetic Diversity in *Phaseolus vulgaris* L. In: Motley, Timothy J. / Zerega, Nyree / Cross, Hugh (eds.), Darwin's harvest: New Approaches to the Origins, Evolution, and Conservation of Crops, pp. 121–142. New York, Chichester.
- Parsons, Mary H.  
1970 Preceramic Subsistence on the Peruvian Coast. In: *American Antiquity* 35 (2): 292–304.
- Pasiecznik, N. M.  
2001 The *Prosopis juliflora*-*Prosopis pallida* complex. A monograph. Coventry.
- Patterson, Thomas C. / Lanning, Edward P.  
1964 Changing settlement patterns on the central Peruvian coast. In: *Ñawpa Pacha* 2: 113–123.  
1968 Late preceramic and early cultures of the central coast of Peru. In: *Ñawpa Pacha* 6: 115–133.
- Pearsall, Deborah M. (ed.)  
2000 *Paleoethnobotany: a handbook of procedures*.<sup>2</sup> Walnut Creek.
- Pearsall, Deborah M.  
1992 The Origins of Plant Cultivation in South America. In: Cowan, C. W. / Watson, Patty J. (eds.), *The Origins of Agriculture: An International Perspective*, pp. 173–205. Washington, D.C.  
2003 Plant Food Resources of the Ecuadorian Formative: An Overview and Comparison to the Central Andes. In: Raymond, J. S. / Burger, Richard L. (eds.), *Archaeology of formative Ecuador. A symposium at Dumbarton Oaks 7 and 8 October 1995*, pp. 213–257. Washington, D.C.
- 2008 Plant Domestication. In: Pearsall, Deborah M. (ed.), *Encyclopedia of archaeology* 3, pp. 1822–1842. San Diego.
- 2009 Investigating the Transition to Agriculture. In: *Current Anthropology* 50 (5): 609–613.
- Pearsall, Deborah M. / Chandler-Ezell, Karol / Zeidler, James A.  
2004 Maize in ancient Ecuador: results of residue analysis of stone tools from the Real Alto site. In: *Journal of Archaeological Science* 31 (4): 423–442.
- Pechenkina, Ekatarina A. / Vradenburg, Joseph A. / Benfer, Robert A. / Farnum, Julie F.  
2007 Skeletal Biology of the Central Peruvian Coast. Consequences of Changing Population Density and Progressive Dependence on Maize Agriculture. In: Cohen, Mark N. / Crane-Kramer, Gillian (eds.), *Ancient Health. Skeletal Indicators of Agricultural and Economic Intensification*, pp. 92–112. Gainesville.
- Pickersgill, Barbara  
1969 The archaeological record of Chili Peppers (*Capsicum* spp.) and the sequence of plant domestication in Peru. In: *American Antiquity* 34 (1): 54–61.  
2007 Domestication of Plants in the Americas: Insights from Mendelian and Molecular Genetics. In: *Annals of Botany* 100: 925–940.
- Piperno, Dolores R.  
1998 Paleoethnobotany in the Neotropics from Microfossils: New Insights into Ancient Plant Use and Agricultural Origins in the Tropical Forest. In: *Journal of World Prehistory* 12 (4): 393–449.  
2006 The Origins of Plant Cultivation and Domestication in the Neotropics. A behavioral ecological perspective. In: Kennett, Douglas J. / Winterhalder, Bruce (eds.), *Behavioral ecology and the transition to agriculture* 137–166 Berkeley.  
2011a Northern Peruvian Early and Middle Preceramic Agriculture in Central and South American Contexts. In: Dillehay, Tom D. (ed.), *From foraging to farming in the Andes. New Perspectives on Food Production and Social Organization*, pp. 275–284. New York.  
2011b The Origins of Plant Cultivation and Domestication in the New World Tropics. In: *Current Anthropology* 52 S4: S453–S470.
- Piperno, Dolores R. / Andres, Thomas C. / Stothert, Karen E.  
2000a Phytoliths in Cucurbita and other Neotropical Cucurbitaceae and their Occurrence in Early Archaeological Sites from the Lowland American



- Tropics. In: *Journal of Archaeological Science* 27: 193–208.
- Piperno, Dolores R. / Dillehay, Tom D.  
2008 Starch grains on human teeth reveal early broad crop diet in northern Peru. In: *PNAS* 105 (50): 19622–19627.
- Piperno, Dolores R. / Pearsall, Deborah M.  
1998 *The origins of agriculture in the lowland neotropics*. San Diego, London, New York, Boston, Sydney, Tokyo, Toronto.
- Piperno, Dolores R. / Ranere, Anthony J. / Holst, Irene / Hansell, Patricia  
2000b Starch grains reveal early root crop horticulture in the Panamanian tropical forest. In: *Nature* 407: 894–897.
- Piperno, Dolores R. / Stothert, Karen E.  
2003 Phytolith Evidence for Early Holocene Cucurbita Domestication in Southwest Ecuador. In: *Science* 299 (5609): 1054–1057.
- Piperno, Dolores R. / Weiss, Ehud / Holst, Irene / Nadel, Dani  
2004 Processing of wild cereal grains in the Upper Paleolithic revealed by starch grain analysis. In: *Nature* 430: 670–673.
- Placzek, Christa / Quade, Jay / Betancourt, Julio L.  
2001 Holocene lake-level fluctuations of Lake Aricota, Southern Peru. In: *Quaternary Research* 56: 181–190.
- Powell, Mary L.  
1985 The analysis of dental wear and caries for dietary reconstruction. In: Gilbert, Robert I. / Mielke, James H. (eds.), *The Analysis of prehistoric diets*, pp. 307–338. Orlando.
- Price, Theron D. / Bar-Yosef, Ofer  
2011 The Origins of Agriculture: New Data, New Ideas: An Introduction to Supplement 4. In: *Current Anthropology* 52 S4: S163–S174.
- Prohaska, F. J.  
1973 New Evidence on the Climatic Controls along the Peruvian Coast. In: Amiran, David H. K. / Wislon, Andrew W. (eds.), *Coastal Deserts: their Natural and Human Environments*, pp. 91–107. Tuscon.
- Pulgar Vidal, Javier  
1987 *Geografía del Perú. Las ocho regiones naturales del Perú*. Lima.
- Quilter, Jeffrey  
1989 *Life and Death at Paloma. Society and Mortuary Practices in a Pre-ceramic Peruvian Village*. Iowa City.  
1991 Late Pre-ceramic Peru. In: *Journal of World Prehistory* 5 (4): 387–438.
- Rafferty, Janet E.  
1985 The archaeological record on sedentariness: Recognition, development, and implications. In: Schiffer, Michael B. (ed.), *Advances in archaeological method and theory*. Volume 8, pp. 113–156. Troy.
- Raymond, J. S.  
1999 Early Formative Societies in the Tropical Lowlands of Western Ecuador: a View from the Valdivia Valley. In: Blake, Michael (ed.), *Pacific Latin America in Prehistory. The Evolution of Archaic and Formative Cultures* Pullman.  
2008 The Process of Sedentism in Northwestern South America. In: Silverman, Helaine / Isbell, William H. (eds.), *Handbook of South American archaeology*, pp. 79–90. New York.
- Raymond, J. S. / Burger, Richard L. (eds.)  
2003 *Archaeology of formative Ecuador. A symposium at Dumbarton Oaks 7 and 8 October 1995*. Washington, D.C.
- Reimer, Paula J. / Baillie, Mike G. L. / Bard, Edouard / Bayliss, Alex / Beck, J. W. / Blackwell, Paul G. / Ramsey, Christopher B. / Buck, Caitlin E. / Burr, George S. / Edwards, R. L. / Friedrich, Michael / Grootes, P. M. / Guilderson, Thomas P. / Hajas, I. / Heaton, T. J. / Hogg, Alan G. / Hughen, Konrad A. / Kaiser, K. F. / Kromer, Bernd / McCromac, Gerry / Manning, S. W. / Reimer, Ron W. / Richards, D. A. / Southon, John R. / Talamo, Sahra / Turney, C. S. M. / van der Plicht, Johannes / Weyhenmeyer, Constanze E.  
2009 IntCal09 and Marine09 radiocarbon age calibration curves, 0–50,000 years cal BP. In: *Radiocarbon* 51 (4): 1111–1150.
- Reindel, Markus  
2007 Palpa (Peru). *Jahresbericht 2006*. In: *Archäologischer Anzeiger* 2007/2: 208–211.  
2008 Life at the Edge of the Desert - Archaeological Reconstruction of the Settlement History in the Valleys of Palpa, Peru. In: Reindel, Markus / Wagner, Günther A. (eds.), *New Technologies for Archaeology. Multidisciplinary Investigations in Palpa and Nasca, Peru*, pp. 439–461. Berlin, Heidelberg.  
2009 Anden-Transakt 1 (Peru). *Jahresbericht 2008*. In: *Archäologischer Anzeiger (Beiheft)* 2009/1: 347–350.

- 2010 Archäologische Forschungen der Jahre 2007 und 2008 im Anden-Transekt, Süd-Peru. In: Zeitschrift für Archäologie Außereuropäischer Kulturen 3: 207–224.
- Reindel, Markus / Isla, Johnny A.  
2005 Archäologisches Projekt "Paracas in Palpa", Peru. Ausgrabungen und Forschungen 2005. In: SLSA Jahresbericht 2005: 30–59.
- 2006 Evidencias de culturas tempranas en los valles de Palpa, costa sur del Perú. In: Kaulicke, Peter / Dillehay, Tom D. (eds.), Procesos y expresiones de poder, identidad y orden tempranos en Sudamérica. Primera parte (= Boletín de Arqueología PUCP 10), pp. 237–283. Lima.
- Reindel, Markus / Isla, Johnny A. / Koschmieder, Klaus  
1999 Vorspanische Siedlungen und Bodenzeichnungen in Palpa, Südperu. Asentamientos prehispánicos y geoglifos en Palpa, costa sur del Perú. In: Beiträge zur Allgemeinen und Vergleichenden Archäologie 19: 313–381.
- Reindel, Markus / Isla, Johnny A. / Lambers, Karsten  
2003 Die Arbeiten des Archäologischen Projektes Nasca-Palpa, Peru, im Jahr 2002. In: SLSA Jahresbericht 2003: 119–132.
- Reindel, Markus / Stöllner, Thomas R. / Gräfinholt, Benedikt  
2013 Mining archaeology in the Nasca and Palpa Region, South Coast of Peru. In: Tripcevich, Nicholas / Vaughn, Kevin J. (eds.), Mining and quarrying in the Ancient Andes. Sociopolitical, economic, and symbolic dimensions, pp. 299–324. New York, NY.
- Reitz, Elizabeth J.  
1988 Faunal Remains from Paloma, an Archaic Site in Peru. In: American Anthropologist, New Series 90 (2): 310–322.
- Reitz, Elizabeth J. / Quitmyer, Irvy R. / Hale, H. S. / Scudder, Sylvia J. / Wing, Elisabeth S.  
1987 Application of allometry to zooarchaeology. In: American Antiquity 52 (2): 304–317.
- Richardson, James B.  
1981 Modeling the development of early complex economies on the coast of Peru: a preliminary statement. In: Annals of Carnegie Museum 50: 139–150.
- Richardson, James B. / Sandweiss, Daniel H. / Feldman, Robert A. / Hsu, Jeffrey T. / Reitz, Elizabeth J.  
1990 Tempranas adaptaciones marítimas en los Andes: Estudio preliminar en el Sitio Ring o Anillo, Ilo-Perú. In: Watanabe, Luis K. / Moseley, Michael E. / Cabieses, Fernando (eds.), Trabajos arqueológicos en Moquegua, Perú. Volumen 1, pp. 139–176. Lima.
- Rick, John W.  
1980 Prehistoric Hunters of the High Andes. New York.
- 1988 The character and context of highland preceramic society. In: Keatinge, Richard W. (ed.), Peruvian Prehistory. An overview of pre-Inca and Inca society, pp. 3–41. Cambridge, New York, New Rochelle, Melbourne, Sydney.
- 2002 Early Highland Andean Archaic. In: Peregrine, Peter N. / Ember, Melvin (eds.), Encyclopedia of Prehistory. South America (= Encyclopedia of Prehistory 7), pp. 108–120. New York, Boston, Dordrecht, London, Moscow.
- Rick, John W. / Moore, Katherine M.  
1999 El precerámico de la punas de Junín: El punto de vista desde Panaulauca. In: Kaulicke, Peter (ed.), El periodo arcaico en el Perú: Hacia una definición de los orígenes (= Boletín de Arqueología PUCP 3), pp. 263–296. Lima.
- Riedinger, Melanie A. / Steinitz-Kannan, Miriam / Last, William M. / Brenner, Mark  
2002 A ~6100 14C yr record of El Niño activity from the Galápagos Islands. In: Journal of Paleolimnology 27: 1–7.
- Rindos, David  
1980 Symbiosis, Instability, and the Origins and Spread of Agriculture: A New Model. In: Current Anthropology 21: 751–764.
- 1984 The origins of agriculture: an evolutionary perspective. Orlando.
- Rodbell, Donald T.  
1999 An 15,000-Year Record of El Niño-Driven Alluviation in Southwestern Ecuador. In: Science 283 (5401): 516–520.
- Rodríguez-Loredo, Cecilia  
2012 La explotación de la fauna terrestre. In: Lavallée, Danièle / Julien, Michèle (eds.), Prehistoria de la costa extremo-sur del Perú. Los pescadores arcaicos de la Quebrada de los Burros (10000–7000 a. P.) (= Travaux de l'Institut Français d'Études Andines 297), pp. 141–174. Lima.

- Rollins, Harold B. / Richardson, James B. / Sandweiss, Daniel H.  
1986 The Birth of El Niño: Geoaerchaeological Evidence and Implications. In: *Geoaerchaeology* 1 (1): 3–15.
- Rossen, Jack  
1991 Ecotones and Low-Risk Intensification: The Middle Preceramic Occupation of Nanchoc, Northern Peru. Ph.D. thesis, unpublished, University of Kentucky Lexington.  
1998 Unifaces in Early Andean Culture History: The Nanchoc Lithic Tradition of Northern Peru. In: *Andean Past* 5: 241–300.  
2011a Las Pircas Phase (9800–7800 BP). In: Dillehay, Tom D. (ed.), *From foraging to farming in the Andes. New Perspectives on Food Production and Social Organization*, pp. 95–116. New York.  
2011b Preceramic Plant Gathering, Gardening, and Farming. In: Dillehay, Tom D. (ed.), *From foraging to farming in the Andes. New Perspectives on Food Production and Social Organization*, pp. 177–192. New York.
- Rossen, Jack / Dillehay, Tom D. / Ugent, Donald  
1996 Ancient Cultigens or Modern Intrusions?: Evaluating Plant Remains in an Andean Case Study. In: *Journal of Archaeological Science* 23 391–407
- Rossen, Jack / Dillehay, Tom D.  
1999 La colonización y el asentamiento del norte del Perú: Innovación, tecnología y adaptación en el Valle de la Zaña. In: Kaulicke, Peter (ed.), *El periodo arcaico en el Perú: Hacia una definición de los orígenes* (= *Boletín de Arqueología PUCP* 3), pp. 121–139. Lima.  
2001 Bone cutting, placement, and cannibalism? Middle preceramic mortuary patterns of Nanchoc, northern Peru. In: *Chungará (Arica)* 33 (1): 63–72.
- Rothhammer, Francisco / Santoro, Calogero M.  
2001 El Desarrollo Cultural En El Valle De Azapa, Extremo Norte De Chile Y Su Vinculacion Con Los Desplazamientos Poblacionales Altiplanicos. In: *Latin American Antiquity* 12 (1): 59–66.
- Roullier, Caroline / Benoit, Laure / McKey, Doyle B. / Lebot, Vincent  
2013 Historical collections reveal patterns of diffusion of sweet potato in Oceania obscured by modern plant movements and recombination. In: *PNAS* 110 (6): 2205–2210.
- Rowe, John H.  
1956 Archaeological Explorations in Southern Peru, 1954–1955. Preliminary Report of the Fourth University of California Archaeological Expedition to Peru. In: *American Antiquity* 22 (2): 135.
- Rowe, Harold D. / Dunbar, Robert B. / Mucciarone, David A. / Seltzer, Geoffrey O. / Baker, Paul A. / Fritz, Sherilyn C.  
2002 Insolation, Moisture Balance and Climate Change on the South American Altiplano Since the Last Glacial Maximum. In: *Climatic Change* 52 1/2: 175–199.
- Salunkhe, Dattajirao K. / Desai, B. B.  
1984 *Postharvest biotechnology of vegetables*. Volume I. Boca Raton, Fla.
- Sandweiss, Daniel H.  
1996 The development of fishing specialization on the Central Andean Coast. In: Plew, Mark G. (ed.), *Prehistoric hunter-gatherer fishing strategies*, pp. 41–63. Boise, Idaho.  
2003 Terminal Pleistocene through Mid-Holocene archaeological sites as paleoclimatic archives for the Peruvian coast. In: *Palaeogeography, Palaeoclimatology, Palaeoecology* 194 1–3: 23–40.  
2005a Early Maritime Adaptations in Western South America. Part I of a two-part story. In: *Mammoth Trumpet* 20 (4): 14–20.  
2005b Early Maritime Adaptions in Western South America. Conclusion. In: *Mammoth Trumpet* 21 (1): 14–17.
- Sandweiss, Daniel H. / Kelley, Alice R. / Belknap, Daniel F. / Kelley, Joseph T. / Rademaker, Kurt / Reid, David A.  
2010 GPR identification of an early monument at Los Morteros in the Peruvian coastal desert. In: *Quaternary Research* 73 (3): 439–448.
- Sandweiss, Daniel H. / Maasch, Kirk A. / Andrus, C. F. T. / Reitz, Elizabeth J. / Richardson, James B. / Riedinger-Whitmore, Melanie / Rollins, Harold B.  
2007 Mid-Holocene climate and culture change in coastal Peru. In: Anderson, David G. / Maasch, Kirk A. / Sandweiss, Daniel H. (eds.), *Climate change and cultural dynamics. A global perspective on mid-Holocene transitions*, pp. 25–50. New York.
- Sandweiss, Daniel H. / Richardson, James B. / Reitz, Elizabeth J. / Hsu, Jeffrey T. / Feldman, Robert A.  
1989 Early Maritime Adaptions in the Andes: Preliminary Studies at the Ring Site, Peru. In: Rice, Don S. / Stanish, Charles / Scarr, Phillip R. (eds.),

- Ecology, settlement, and history in the Osmore drainage, Peru 1 (= BAR International Series 545 (i)), pp. 35–84. Oxford, England.
- Sandweiss, Daniel H. / Richardson, James B. / Reitz, Elizabeth J. / Rollins, Harold B. / Maasch, Kirk A.  
1996 Geoarchaeological Evidence from Peru for a 5000 Years B.P. Onset of El Niño. In: *Science* 273: 1531–1533.
- 1997 Determining the Early History of El Niño – Response. In: *Science* 276: 966–967.
- Sandweiss, Daniel H. / Rollins, Harold B. / Richardson, James B.  
1983 Landscape alteration and prehistoric human occupation on the north coast of Peru. In: *Annals of Carnegie Museum* 52: 277–298.
- Sandweiss, Daniel H. / Shady Solís, Ruth / Moseley, Michael E. / Keefer, David K. / Ortloff, Charles R.  
2009 Environmental change and economic development in coastal Peru between 5,800 and 3,600 years ago. In: *PNAS* 106 (5): 1359–1363.
- Sandweiss, Daniel H. / Wing, Elisabeth S.  
1997 Ritual Rodents: The Guinea Pigs of Chincha, Peru. In: *Journal of Field Archaeology* 24 (1): 47–58.
- Sanjur, Oris I. / Piperno, Dolores R. / Andres, Thomas C. / Wessel-Beaver, Linda  
2002 Phylogenetic relationships among domesticated and wild species of Cucurbita (Cucurbitaceae) inferred from a mitochondrial gene: Implications for crop plant evolution and areas of origin. In: *PNAS* 99 (1): 535–540.
- Santos, G. M. / Alexandre, A. / Southon, John R. / Treseder, K. K. / Corbineau, R. / Reyerson, P. E.  
2012 Possible source of ancient carbon in phytolith concentrates from harvested grasses. In: *Biogeosciences* 9: 1873–1884.
- Sauer, Jonathan D.  
1993 *Historical Geography of Crop Plants. A select roster*. Boca Raton, Ann Arbor, London, Tokyo.
- Schiffer, Michael B.  
1987 *Formation processes of the archaeological record*. Albuquerque.
- Schittek, Karsten / Forbriger, Markus / Mächtle, Bertil / Schäbitz, F. / Wennrich, V. / Reindel, Markus / Eitel, Bernhard  
2015 Holocene environmental changes in the highlands of the southern Peruvian Andes (14° S) and their impact on pre-Columbian cultures. In: *Climate of the Past* 11: 27–44.
- Schwalb, Antje / Burns, Stephen J. / Kelts, Kerry R.  
1999 Holocene environments from stable isotope stratigraphy of ostracods and authigenic carbonate in Chilean Altiplano Lakes. In: *Palaeogeography, Palaeoclimatology, Palaeoecology* 148: 153–168.
- Schweigger, Erwin  
1959 *Die Westküste Südamerikas im Bereich des Perustromes*. Heidelberg, München.
- Seiler-Baldinger, Annemarie  
1971 *Maschenstoffe in Süd- und Mittelamerika. Beiträge zur Systematik und Geschichte primärer Textilverfahren*. Baseler Beiträge zur Ethnologie 9. Basel.
- 1981 *Systematik der textilen Techniken*. Nach den "Grundlagen zur Systematik der textilen Techniken" von Alfred (Bühler) und Kristin Bühler-Oppenheim erweitert und neu gefasst. Baseler Beiträge zur Ethnologie 14. Basel.
- SERNANP (Servicio Nacional de Áreas Naturales Protegidas por el Estado)  
2011 Estudios científicos realizados en la Zona Reservada San Fernando demuestran la enorme biodiversidad de esta área natural protegida. , <http://www.sernanp.gob.pe/sernanp/noticia.jsp?ID=186> (accessed December 13, 2011).
- Shady Solís, Ruth  
1995 La neolitización en los Andes Centrales y los orígenes del sedentarismo, la domesticación y la distinción social. In: *Saguntum* 28: 49–61.
- 1997 La ciudad sagrada de Caral-Supe en los albores de la civilización en el Perú. Lima.
- 1999 Los orígenes de la civilización y la formación del estado en el Perú. Las Evidencias Arqueológicas de Caral-Supe. Primera Parte. In: *Boletín del Museo de Arqueología y Antropología de la UNMSM* 2 (12): 2–4.
- 2000a Los orígenes de la civilización y la formación del estado en el Perú. Las Evidencias Arqueológicas de Caral-Supe. Segunda Parte. In: *Boletín del Museo de Arqueología y Antropología de la UNMSM* 3 (2): 2–7.
- 2000b Sociedad de Caral - Supe durante el Arcaico Tardío. In: *Boletín del Museo de Arqueología y Antropología de la UNMSM* 3 (3)

- 2000c Sustento socioeconómico del estado prístino de Supe-Perú: Ls evidencias de Caral-Supe. In: *Arqueología y Sociedad* 13: 49–66.
- 2002a Caral-Supe: la civilización más antigua de América. In: *Investigaciones Sociales* 4 (9): 51–81.
- 2002b Caral-Supe: la civilización más antigua del Perú y América. In: *Múltiple. Cultura peruana* 3: 60–68.
- 2003a Caral-Supe: la civilización más antigua del Perú y América. In: Shady Solís, Ruth / Leyva, Carlos (eds.), *La ciudad sagrada de Caral-Supe. Los orígenes de la civilización andina y la formación del Estado prístino en el antiguo Perú*, pp. 335–340. Lima.
- 2003b Caral-Supe: la civilización más antigua de América. In: Shady Solís, Ruth / Leyva, Carlos (eds.), *La ciudad sagrada de Caral-Supe. Los orígenes de la civilización andina y la formación del Estado prístino en el antiguo Perú*, pp. 327–334. Lima.
- 2006a America's First City? The Case of Late Archaic Caral. In: Isbell, William H. / Silverman, Helaine (eds.), *Andean Archaeology III. North and South*, pp. 28–66. New York.
- 2006b Caral-Supe and the North Central Area of Peru: The history of maize in the land where civilization came into being. In: Staller, John E. / Tykot, Robert H. / Benz, Bruce F. (eds.), *Histories of maize. Multidisciplinary approaches to the prehistory, linguistics, biogeography, domestication, and evolution of maize*, pp. 381–402. Amsterdam.
- 2006c La civilización Caral: Sistema social y manejo del territorio y sus recursos. Su trascendencia en el proceso cultural andino. In: Kaulicke, Peter / Dillehay, Tom D. (eds.), *Procesos y expresiones de poder, identidad y orden tempranos en Sudamérica. Primera parte* (= *Boletín de Arqueología PUCP* 10), pp. 59–89. Lima.
- 2009 Caral-Supe y su entorno natural y social en los orígenes de la civilización. In: Marcus, Joyce / Williams, Patrick R. (eds.), *Andean civilization. A tribute to Michael E. Moseley* (= *Monograph of the Cotsen Institute of Archaeology at UCLA* 63), pp. 99–120. Los Angeles.
- 2010 Caral: La Primera Civilización de América/The First Civilisation in the Americas. Chicago.
- Shady Solís, Ruth / Dolorier, Camilo / Montesinos, Fanny / Casas, Lyda  
2000 Los orígenes de la civilización en el Perú: El área norcentral y el valle de supe durante el arcaico tardío. In: *Arqueología y Sociedad* 13: 13–48.
- Shady Solís, Ruth / Haas, Jonathan / Creamer, Winifred  
2001 Dating Caral, a Preceramic Site in the Supe Valley on the Central Coast of Peru. In: *Science* 292: 723–726.
- Shady Solís, Ruth / Leyva, Carlos (eds.)  
2003 La ciudad sagrada de Caral-Supe. Los orígenes de la civilización andina y la formación del Estado prístino en el antiguo Perú. Lima.
- Shady Solís, Ruth / Machacuay Romero, Marco / Cáceda Guillén, Daniel / Crispín Balta, Aldemar / Quispe Loayza, Edna  
2009 Caral, the Oldest Civilization in the Americas: 15 years unveiling its history. Lima.
- Siemens, Alfred H.  
1999 Wetlands as Resource Concentrations in Southwestern Ecuador. In: Blake, Michael (ed.), *Pacific Latin America in Prehistory. The Evolution of Archaic and Formative Cultures*, pp. 137–147. Pullman.
- Silverman, Helaine  
1986 Cahuachi: an Andean ceremonial center. Ph.D. thesis, University of Texas Austin.  
1993 Cahuachi in the Ancient Nasca World. Iowa City.  
1994 The Archaeological Identification of an Ancient Peruvian Pilgrimage Center. In: *World Archaeology* 26 (1): 1–18.
- Silverman, Helaine / Isbell, William H. (eds.)  
2008 *Handbook of South American archaeology*. New York.
- Simpson, Beryl B. / Ogorzaly, Molly C.  
1986 *Economic botany. Plants in our world*. New York.
- Smith, C. E.  
1988 Floral remains. In: Grieder, Terence / Bueno Mendoza, Alberto / Smith, C. E. / Malina, Robert M. / Smith, Claude E. (eds.), *La Galgada, Peru. A preceramic culture in transition*, pp. 125–151. Austin.  
1980 Plant Remains from Guitarrero Cave. In: Lynch, Thomas F. (ed.), *Guitarrero Cave. Early man in the Andes* (= *Studies in Archaeology* 1), pp. 87–119. New York.
- Smith, Bruce D.  
1998 *The emergence of agriculture*. New York.  
2001 Low-Level Food Production. In: *Journal of Archaeological Research* 9 (1): 1–43.
- Sørensen, Marten / Grüneberg, Wolfgang J. / Ørting, Bo  
1997 Ahipa. *Pachyvhizus ahipa* (Wedd.) Parodi. In: Hermann, M. / Heller, J. (eds.), *Andean roots and tubers: Ahipa, arracacha, maca and yacon*, pp. 13–74. Rome.

- Srisuwan, Saranya / Sihachakr, Darasinh / Siljak-Yakovlev, Sonja  
2006 The origin and evolution of sweet potato (*Ipomoea batatas* Lam.) and its wild relatives through the cytogenetic approaches. In: *Plant Science* 171 (3): 424–433.
- Stackelbeck, Kary L. / Dillehay, Tom D.  
2011 Tierra Blanca Phase (7800–5000 BP). In: Dillehay, Tom D. (ed.), *From foraging to farming in the Andes. New Perspectives on Food Production and Social Organization*, pp. 117–134. New York.
- Standen, Vivien G. / Santoro, Calogero M.  
2004 Patrón funerario arcaico temprano del sitio Acha-3 y su relación con Chinchorro: Cazadores, pescadores y recolectores de la costa norte de Chile. In: *Latin American Antiquity* 15 (1): 89–109.
- Stothert, Karen E.  
1985 The Pre-ceramic Las Vegas Culture of Coastal Ecuador. In: *American Antiquity* 50 (3): 613–637.
- Stothert, Karen E. / Piperno, Dolores R. / Andres, Thomas C.  
2003 Terminal Pleistocene/Early Holocene human adaptation in coastal Ecuador: the Las Vegas evidence. In: *Quaternary International* 109–110: 23–43.
- Strong, William D.  
1957 Paracas, Nazca and Tiahuanacoid Cultural Relationships in South Coastal Peru. In: *Memoirs of the Society for American Archaeology* 13: 1–48.
- Strong, William D. / Evans, Clifford  
1952 Cultural Stratigraphy in the Virú Valley, Northern Peru. *Columbia Studies in Archaeology* IV. New York.
- Thompson, Lonnie G. / Davis, Mary E. / Moseley-Thompson, Ellen / Sowers, T. A. / Henderson, K. A. / Zagorodnov, V. S. / Lin, Ping-Nan / Mikhailenko, V. N. / Campen, R. K. / Bolzan, J. F. / Cole-Dai, J. / Francou, B.  
1998 A 25,000-Year Tropical Climate History from Bolivian Ice Cores. In: *Science* 282 (5395): 1858–1864.
- Thompson, Lonnie G. / Moseley-Thompson, Ellen / Davis, Mary E. / Lin, Ping-Nan / Henderson, K. A. / Cole-Dai, J. / Bolzan, J. F. / Liu, K.-B.  
1995 Late Glacial Stage and Holocene Tropical Ice Core Records from Huascarán, Peru. In: *Science* 269: 46–50.
- Thompson, Lonnie G. / Moseley-Thompson, Ellen / Brecher, Henry / Davis, Mary E. / León, Blanca / Les, Don / Lin, Ping-Nan / Mashiotta, Tracy / Mountain, Keith  
2006 Abrupt tropical climate change: Past and present. In: *PNAS* 103 (28): 10536–10543.
- Tobler, Waldo R.  
1961 *Map Transformations of Geographic space*. Ph.D. thesis, University of Washington Seattle.
- Tomasto Cagigao, Elsa L.  
2008 Talking Bones: Bioarchaeological Analysis of Individuals from Palpa. In: Reindel, Markus / Wagner, Günther A. (eds.), *New Technologies for Archaeology. Multidisciplinary Investigations in Palpa and Nasca, Peru*, pp. 141–158. Berlin, Heidelberg.  
2009 Caries dental y dieta en poblaciones prehispánicas de los valles de Palpa, costa sur del Perú (3500 a. C.–1000 d. C.). Master thesis, Pontificia Universidad Católica del Perú Lima.
- Tripcevich, Nicholas / Contreras, Daniel A.  
2011 Quarrying evidence at the Quispisisa obsidian source, Ayacucho, Peru. In: *Latin American Antiquity* 22 (1): 121–136.  
2013 Archaeological approaches to obsidian quarries: Investigations at the Quispisisa source. In: Tripcevich, Nicholas / Vaughn, Kevin J. (eds.), *Mining and quarrying in the Ancient Andes. Sociopolitical, economic, and symbolic dimensions*, pp. 23–44. New York, NY.
- Tykot, Robert H. / Burger, Richard L. / van der Merwe, Nikolaas  
2006 The importance of maize in initial period and early horizon Peru. In: Staller, John E. / Tykot, Robert H. / Benz, Bruce F. (eds.), *Histories of maize. Multidisciplinary approaches to the prehistory, linguistics, biogeography, domestication, and evolution of maize*, pp. 187–197. Amsterdam.
- Tykot, Robert H. / Staller, John E.  
2002 The Importance of Early Maize Agriculture in Coastal Ecuador: New Data from La Emerenciana. In: *Current Anthropology* 43 (4): 666–677.
- Uerpmann, Hans-Peter  
2008 Animal domestication. In: Pearsall, Deborah M. (ed.), *Encyclopedia of archaeology* 1, pp. 434–445. San Diego.
- Ugent, Donald / Ochoa, Carlos M.  
2006 *La Etnobotánica del Perú. Desde la Prehistoria al Presente*. Lima.

- Ugent, Donald / Pozorski, Shelia G. / Pozorski, Thomas  
1982 Archaeological Potato Tuber Remains from the Casma Valley of Peru. In: *Economic Botany* 36 (2): 182–192.
- Ugent, Donald / Pozorski, Shelia G. / Pozorski, Thomas  
1984 New evidence for ancient cultivation of *Canna edulis* in Peru. In: *Economic Botany* 38 (4): 417–432.
- Uhle, Max  
1913 Die Muschelhügel von Ancon, Peru. In: 18th International Congress of Americanists, pp. 22–45. London.
- Universities Federation for Animal Welfare  
1976 *The UFAW Handbook on the Care and Management of Laboratory Animals*.<sup>5</sup> London.
- Unkel, Ingmar  
2006 AMS-14C-Analysen zur Rekonstruktion der Landschafts- und Kulturgeschichte in der Region Palpa (Süd-Peru). *Heidelberger Geographische Arbeiten* 121. Heidelberg.
- Unkel, Ingmar / Kromer, Bernd  
2008 The Clock on the Corn Cob: On the Development of a Chronology of the Paracas and Nasca Period Based on Radiocarbon Dating. In: Reindel, Markus / Wagner, Günther A. (eds.), *New Technologies for Archaeology. Multidisciplinary Investigations in Palpa and Nasca, Peru*, pp. 231–244. Berlin, Heidelberg.
- Unkel, Ingmar / Reindel, Markus / Gorbahn, Hermann / Isla, Johnny A. / Kromer, Bernd / Sossna, Volker  
2012 A comprehensive numerical chronology for the pre-Columbian cultures of the Palpa valleys, south coast of Peru. In: *Journal of Archaeological Science* 2012
- USDA  
2015 National Nutrient Database for Standard Reference. , F%3A/Doktorarbeit/Die Bibliothek/ndb.nal.usda.gov (accessed August 11, 2015).
- Usselman, Pierre / Fontugne, Michel / Lavallée, Danièle / Julien, Michèle / Hatté, Christine  
1999 Estabilidad y rupturas dinámicas en el holoceno de las costa surperuana: El valle de la Quebrada de los Burros (Departamento de Tacna). In: *Bulletin de l'Institut Français d'Études Andines* 28 (1): 1–11.
- Vallejos A., Miriam  
1981 Analisis y Tipología de los Textiles de Paloma: Un Pueblo de 7000 años en las Lomas de Chilca Peru. Lima.  
1982a El Hombre Preagrícola de las Cuevas Tres Ventanas de Chilca, Perú: Textilería. In: *Zonas Aridas* 2: 21–32.  
1982b Textiles de Paloma, un pueblo preagrícola en las lomas de Chilca, Perú. (1a. etapa). In: *Zonas Aridas* 1: 37–47.
- Vaughn, Kevin J. / Linares Grados, Moisés  
2006 3,000 Years of Occupation in Upper Valley Nasca: Excavations at Upanca. In: *Latin American Antiquity* 17 (4): 595–612.
- Vavilov, Nikolai  
1926 Studies on the Origin of Cultivated Plants. In: *Bulletin of Applied Botany and Plant-Breeding* 26: 1–248.
- Velásquez Milla, Dora  
2003 Las Aves y las Poblaciones Rurales en los Algarrobales de las zonas áridas de Piura: Sechura y Tambogrande. In: *Zonas Aridas* 7: 228–243.
- Verano, John W. / Rossen, Jack  
2011 Human Remains. In: Dillehay, Tom D. (ed.), *From foraging to farming in the Andes. New Perspectives on Food Production and Social Organization*, pp. 163–176. New York.
- Vescelius, Gary S.  
1963 Some new finds at San Nicolas. In: *Ñawpa Pacha* 1 (1): 43–45.
- Vogel, Georg  
1996 *Handbuch des speziellen Gemüsebaues*. Stuttgart.
- Vogt, Burkhard  
2007 Bajo Río Grande (Peru). Jahresbericht 2006. In: *Archäologischer Anzeiger* 2007/2: 207–208.  
2008 Bajo Río Grande (Peru). Jahresbericht 2007. In: *Archäologischer Anzeiger (Beiheft)* 2008/1: 295–297.  
2011 Las Brujas, Bajo Río Grande (Peru). Jahresbericht 2010. In: *Archäologischer Anzeiger (Beiheft)* 2011/1: 307–308.
- Walker, Mike / Johnsen, Sigfus / Rasmussen, Sune Olander / Popp, Trevor / Steffensen, Jørgen-Peder / Gibbard, Phil / Hoek, Wim / Lowe, John / Andrews, John / Björck, Svante / Cwynar, Les C. / Hughen, Konrad / Kershaw, Peter / Kromer, Bernd / Litt, Thomas /

- Lowe, David J. / Nakagawa, Takeshi / Newnham, Rewi / Schwander, Jakob  
2009 The Global Stratotype Section and Point (GSSP) for the base of the Holocene Series/Epoch (Quaternary System/Period) in the NGRIP ice core. In: *Journal of Quaternary Science* 24 (1): 3–17.
- Wann, L. S. / Lombardi, Guido / Ojeda, Bernadino / Benfer, Robert A. / Rivera, Ricardo / Finch, Caleb E. / Thomas, Gregory S. / Thompson, Randall C.  
2015 The Tres Ventanas Mummies of Peru. In: *Anat. Rec* 298 (6): 1026–1035.
- Webb, Emily / White, Christine / Longstaffe, Fred  
2013 Dietary shifting in the Nasca Region as inferred from the carbon- and nitrogen-isotope compositions of archaeological hair and bone. In: *Journal of Archaeological Science* 40 (1): 129–139.
- Weir, Glendon H. / Benfer, Robert A. / Sattenspiel, L.  
1988 Preceramic to Early Formative Subsistence on the Central Coast. In: Wing, Elisabeth S. / Wheeler, Jane C. (eds.), *Economic Prehistory of the Central Andes* (= BAR International Series 427), pp. 56–94. Oxford.
- Wellmann, A. P.  
1998 *Catastro de Recursos Naturales Renovables en el Departamento de Ica*. Thesis, Pontificia Universidad Católica de Chile Santiago de Chile.
- Wells, Lisa E. / Noller, Jay S.  
1999 Holocene Coevolution of the Physical Landscape and Human Settlement in Northern Coastal Peru. In: *Geoarchaeology* 14 (8): 755–789.
- Wendt, W. E.  
1963 Die präkeramische Siedlung am Rio Seco, Peru. In: *Baessler Archiv, neue Folge* 11: 225–275.
- Whaley, Oliver Q. / Beresford-Jones, David / Milliken, William / Orellana, Alfonso / Smyk, Anna / Leguía, Joaquín  
2010a An ecosystem approach to restoration and sustainable management of dry forest in southern Peru. In: *Kew Bulletin* 65: 613–641.
- Whaley, Oliver Q. / Orellana, Alfonso / Pérez, Evelyn / Tenorio, Mario / Quinteros, Félix / Mendoza, Marco / Pecho, Octavio  
2010b *Plantas y Vegetación de Ica, Peru. Un recurso para su restauración y conservación*. Icamanta Yurakuna Qurakuna. London.
- Wheeler, Jane C.  
1999 Patrones prehistóricos de utilización de los camelidos Sudamericanos. In: Kaulicke, Peter (ed.), *El periodo arcaico en el Perú: Hacia una definición de los orígenes* (= Boletín de Arqueología PUCP 3), pp. 297–305. Lima.
- 2003 Evolution and Origin of the Domestic Camelids. In: *ILR Report* 8 (2): 1–9, [http://www.rmla.com/origin\\_of\\_sa\\_camelids.htm](http://www.rmla.com/origin_of_sa_camelids.htm).
- Wheeler Pires-Ferreira, Jane / Pires-Ferrera, Edgardo / Kaulicke, Peter  
1976 Preceramic Animal Utilization in the Central Peruvian Andes. Uchcumachay Cave faunal remains document the process of camelid domestication in the Puna of Junin. In: *Science* 194: 483–490.
- Willey, Gordon R. / Corbett, John M.  
1954 Early Ancón and Early Supe culture: Chavín horizon sites of the Central Peruvian coast. New York.
- Willey, Gordon R. / Phillips, Philip  
1958 *Method and theory in American archaeology*. Chicago.
- Wilson, David J.  
1999 *Indigenous South Americans of the past and present: an ecological perspective*. Boulder, Oxford.
- Wing, Elisabeth S.  
1978 Animal Domestication in the Andes. In: Browman, David L. (ed.), *Advances in Andean Archaeology*, pp. 167–188. The Hague, Paris.
- 1980 Faunal Remains. In: Lynch, Thomas F. (ed.), *Guitarrero Cave. Early man in the Andes* (= *Studies in Archaeology* 1), pp. 149–172. New York.
- Wirrmann, Denis / Oliveira Almeida, Luiz F. de  
1987 Low holocene level (7700 to 3650 years ago) of Lake Titicaca (Bolivia). In: *Palaeogeography, Palaeoclimatology, Palaeoecology* 59: 315–323.
- Wise, Karen  
1989 Archaic Period Research in the Lower Osmore Region. In: Rice, Don S. / Stanish, Charles / Scarr, Phillip R. (eds.), *Ecology, settlement, and history in the Osmore drainage, Peru I* (= BAR International Series 545 (i)), pp. 85–99. Oxford, England.
- 1997 The Late Archaic Period Occupation at Carrizal, Peru. In: *Contributions in Science* 1997/467: 1–16.
- 1999 Kilómetro 4 y la ocupación del Período Arcaico en el área de Ilo, al sur del Perú. In: Kaulicke, Peter (ed.), *El periodo arcaico en el Perú: Hacia una defi-*



LITERATURE

- nición de los orígenes (= Boletín de Arqueología PUCP 3), pp. 335–363. Lima.
- Wise, Karen / Clark, Niki R. / Williams, Sloan R.  
1994 A Late Archaic Period Burial from the South-Central Andean Coast. In: *Latin American Antiquity* 5 (3): 212–227.
- van der Merwe, Nikolaas J. / Lee-Throp, Julia A. / Raymond, J. Scott  
1993 Light, Stable Isotopes and the Subsistence Base of Formative Cultures at Valdivia, Ecuador. In: Lambert, Joseph B. / Grupe, Gisela (eds.), *Prehistoric Human Bone: Archaeology at the Molecular Level*, pp. 63–97. Berlin.
- Zeidler, James A.  
2008 The Ecuadorian Formative. In: Silverman, Helaine / Isbell, William H. (eds.), *Handbook of South American archaeology*, pp. 459–488. New York.
- Zimmermann, Andreas  
1995 *Austauschsysteme von Silexartefakten in der Bandkeramik Mitteleuropas*. Bonn.
- Zlatar, Vjera  
1983 Replanteamiento sobre el problema Caleta Huelén 42. In: *Chungará* 10: 21–28.
- Zvelebil, Marek  
1996 The agricultural frontier and the transition to farming in the circum-Baltic region. In: Harris, David R. (ed.), *The origins and spread of agriculture and pastoralism in Eurasia*, pp. 323–345. London.
- Zvelebil, Marek / Dolukhanov, Paul  
1991 The Transition to Farming in Eastern and Northern Europe. In: *Journal of World Prehistory* 5 (3): 233–278.