

GS30420 Volcanic Activity: Hazard and Environmental Change

View Online



. 'Atmospheric and Environmental Effects of the 1783---1784 Laki Eruption: A Review and Reassessment'. n.d. <http://seismo.berkeley.edu/~manga/LIPS/thordarson03.pdf>.

A. Guevara-Murua. n.d. 'Observations of a Stratospheric Aerosol Veil from a Tropical Volcanic Eruption in December 1808: Is This the Unknown ∼1809 Eruption?' *Climate of the Past* 10 (5): 1707-1707.

<https://go.gale.com/ps/i.do?&id=GALE|A481428553&v=2.1&u=uniaber&p;it=r&p=AONE&sw=w>.

'A New Approach to Assess Long---term Lava Flow Hazard and Risk Using GIS and Low---cost Remote Sensing: The Case of Mount Cameroon, West Africa'. n.d. <http://www.tandfonline.com/doi/pdf/10.1080/01431160802167873>.

Abbott, David A., Payson D. Sheets, and Jago Cooper. 2012. *Surviving Sudden Environmental Change: Answers from Archaeology*. 1st ed. Boulder, Colo: University Press of Colorado.

https://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&p;package_service_id=5195538870002418&institutionId=2418&customerId=2415.

Abdullah, Mikrajuddin. 2012. 'Interpretation of Past Kingdoms Poems to Reconstruct the Physical Phenomena in the Past: Case of Great Tambora Eruption 1815'.

https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_arxiv1609.09225&context=PC&vid=44WHELFB_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,tambora&offset=0.

'After Tambora'. 20150411. *The Economist*.

<https://www.economist.com/news/briefing/21647958-two-hundred-years-ago-most-powerful-eruption-modern-history-made-itself-felt-around>.

'Age of the Emeishan Flood Magmatism and Relations to Permian-Triassic Boundary Events'. n.d.

<http://libra.msra.cn/Publication/5357742/age-of-the-emeishan-flood-magmatism-and-relations-to-permian-triassic-boundary-events>.

Alan Robock. 2002. 'The Climatic Aftermath'. *Science* 295 (5558).

https://www.jstor.org/stable/3075904?seq=1#metadata_info_tab_contents.

Albore Livadie, Claude, Mark Pearce, Matteo Delle Donne, and Natascia Pizzano. 2019a.

'The Effects of the Avellino Pumice Eruption on the Population of the Early Bronze Age Campanian Plain (Southern Italy)'. *Quaternary International* 499 (January): 205–20. <https://doi.org/10.1016/j.quaint.2018.03.035>.

———. 2019b. 'The Effects of the Avellino Pumice Eruption on the Population of the Early Bronze Age Campanian Plain (Southern Italy)'. *Quaternary International* 499 (January): 205–20. <https://doi.org/10.1016/j.quaint.2018.03.035>.

Alexander, Karen E., William B. Leavenworth, Theodore V. Willis, Carolyn Hall, Steven Mattocks, Steven M. Bittner, Emily Klein, et al. 2017. 'Tambora and the Mackerel Year: Phenology and Fisheries during an Extreme Climate Event'. *Science Advances* 3 (1). <https://doi.org/10.1126/sciadv.1601635>.

Allen, Judy R.M, William A Watts, and Brian Huntley. 2000. 'Weichselian Palynostratigraphy, Palaeovegetation and Palaeoenvironment; the Record from Lago Grande Di Monticchio, Southern Italy'. *Quaternary International* 73–74 (November): 91–110. [https://doi.org/10.1016/S1040-6182\(00\)00067-7](https://doi.org/10.1016/S1040-6182(00)00067-7).

Allibone, Rachel, Shane J. Cronin, Douglas T. Charley, Vince E. Neall, Robert B. Stewart, and Clive Oppenheimer. 2012. 'Dental Fluorosis Linked to Degassing of Ambrym Volcano, Vanuatu: A Novel Exposure Pathway'. *Environmental Geochemistry and Health* 34 (2): 155–70. <https://doi.org/10.1007/s10653-010-9338-2>.

Alloway, Brent V., Supriyati Andreastuti, Ruly Setiawan, John Miksic, and Quan Hua. 2017. 'Archaeological Implications of a Widespread 13th Century Tephra Marker across the Central Indonesian Archipelago'. *Quaternary Science Reviews* 155 (January): 86–99. <https://doi.org/10.1016/j.quascirev.2016.11.020>.

Alwyn Scarth. n.d. 'La Catastrophe: Mount Pelée and the Destruction of Saint-Pierre, Martinique - Alwyn Scarth - Google Books'. Terra, 2002. http://books.google.co.uk/books/about/La_catastrophe.html?id=SxROAQAIAAJ&redir_esc=y.

Andreastuti, Supriyati, EkoTeguh Paripurno, Hendra Gunawan, Agus Budianto, Devy Syahbana, and John Pallister. 2019. 'Character of Community Response to Volcanic Crises at Sinabung and Kelud Volcanoes'. *Journal of Volcanology and Geothermal Research* 382 (September): 298–310. <https://doi.org/10.1016/j.jvolgeores.2017.01.022>.

Andrei A. Sinitsyn. n.d. 'A Palaeolithic `Pompeii' at Kostenki, Russia. (Research)'. *Antiquity* 77 (295): 9–15. https://go.gale.com/ps/retrieve.do?tabID=T002&resultListType=RESULT_LIST&searchResultsType=SingleTab&searchType=AdvancedSearchForm¤tPosition=1&docId=GALE%7CA100484921&docType=Article&sort=RELEVANCE&contentSegment=ZONE-MOD1&prodId=AONE&contentSet=GALE%7CA100484921&searchId=R1&userGroupName=uniaber&inPS=true.

Angela K Diefenbach. 2015. 'Variations in Community Exposure to Lahar Hazards from Multiple Volcanoes in Washington State (USA)'. *Journal of Applied Volcanology* 4 (1). <https://appliedvolc.biomedcentral.com/articles/10.1186/s13617-015-0024-z>.

'Anja Schmidt'. n.d. https://www.researchgate.net/profile/Anja_Schmidt.

Anja Schmidt, Bart Ostro, Kenneth S. Carslaw, Marjorie Wilson, Thorvaldur Thordarson, Graham W. Mann and Adrian J. Simmons. 2011a. 'Excess Mortality in Europe Following a Future Laki-Style Icelandic Eruption'. *Proceedings of the National Academy of Sciences of the United States of America* 108 (38): 15710–15.
http://www.jstor.org/stable/41352334?seq=1#page_scan_tab_contents.

———. 2011b. 'Excess Mortality in Europe Following a Future Laki-Style Icelandic Eruption'. *Proceedings of the National Academy of Sciences of the United States of America* 108 (38): 15710–15. http://www.jstor.org/stable/41352334?seq=1#page_scan_tab_contents.

Anja Schmidt, Claire S. Witham, Nicolas Theys, Nigel A. D. Richards, Thorvaldur Thordarson, Kate Szpek, Wuhu Feng, Matthew C. Hort, Alan M. Woolley, Andrew R. Jones, Alison L. Redington, Ben T. Johnson, Chris L. Hayward, Kenneth S. Carslaw. 2014. 'Assessing Hazards to Aviation from Sulfur Dioxide Emitted by Explosive Icelandic Eruptions'. *Journal of Geophysical Research: Atmospheres* 119 (24): 14,180–14,196.
<https://doi.org/10.1002/2014JD022070>.

Anja Schmidt, Susan Leadbetter, Nicolas Theys, Elisa Carboni, Claire S. Witham, John A. Stevenson, Cathryn E. Birch, Thorvaldur Thordarson, Steven Turnock, Sara Barsotti, Lin Delaney, Wuhu Feng, Roy G. Grainger, Matthew C. Hort, Ármann Höskuldsson, Iolanda Ialongo, Evgenia Ilyinskaya, Thorsteinn Jóhannsson, Patrick Kenny, Tamsin A. Mather, Nigel A. D. Richards, Janet Shepherd. 2015a. 'Satellite Detection, Long-range Transport, and Air Quality Impacts of Volcanic Sulfur Dioxide from the 2014–2015 Flood Lava Eruption at Bárðarbunga (Iceland)'. *Journal of Geophysical Research: Atmospheres* 120 (18): 9739–57.
<https://doi.org/10.1002/2015JD023638>.

———. 2015b. 'Satellite Detection, Long-range Transport, and Air Quality Impacts of Volcanic Sulfur Dioxide from the 2014–2015 Flood Lava Eruption at Bárðarbunga (Iceland)'. *Journal of Geophysical Research: Atmospheres* 120 (18): 9739–57.
<https://doi.org/10.1002/2015JD023638>.

Aquila, Valentina, Luke D. Oman, Richard S. Stolarski, Peter R. Colarco, and Paul A. Newman. 2012. 'Dispersion of the Volcanic Sulfate Cloud from a Mount Pinatubo-like Eruption'. *Journal of Geophysical Research: Atmospheres* 117 (D6): n/a-n/a.
<https://doi.org/10.1029/2011JD016968>.

Arfeuille, F., D. Weisenstein, H. Mack, E. Rozanov, T. Peter, and S. Brönnimann. 2014. 'Volcanic Forcing for Climate Modeling: A New Microphysics-Based Data Set Covering Years 1600–Present'. *Climate of the Past* 10 (1): 359–75. <https://doi.org/10.5194/cp-10-359-2014>.

Armijos, Maria Teresa, Jeremy Phillips, Emily Wilkinson, Jenni Barclay, Anna Hicks, Pablo Palacios, Patricia Mothes, and Jonathan Stone. 2017. 'Adapting to Changes in Volcanic Behaviour: Formal and Informal Interactions for Enhanced Risk Management at Tungurahua Volcano, Ecuador'. *Global Environmental Change* 45 (July): 217–26.
<https://doi.org/10.1016/j.gloenvcha.2017.06.002>.

'Assessing Hazards to Aviation from Sulfur Dioxide Emitted by Explosive Icelandic Eruptions - Schmidt et al, 2014, JGR, Assessing_SO2_aviation_hazards.Pdf'. n.d.
http://eprints.whiterose.ac.uk/82709/1/Schmidt%20et%20al%2C%202014%2C%20JGR%2C%20Assessing_SO2_aviation_hazards.pdf.

Athanassas, C. D., K. Modis, M. C. Alçiçek, and K. Theodorakopoulou. 2018a. 'Contouring the Cataclysm: A Geographical Analysis of the Effects of the Minoan Eruption of the Santorini Volcano'. *Environmental Archaeology* 23 (2): 160–76. <https://doi.org/10.1080/14614103.2017.1288885>.

———. 2018b. 'Contouring the Cataclysm: A Geographical Analysis of the Effects of the Minoan Eruption of the Santorini Volcano'. *Environmental Archaeology* 23 (2): 160–76. <https://doi.org/10.1080/14614103.2017.1288885>.

Bakkour, Darine, Geoffroy Enjolras, Jean-Claude Thouret, Robert Kast, Estuning Tyas Wulan Mei, and Budi Prihatminingtyas. 2015. 'The Adaptive Governance of Natural Disaster Systems: Insights from the 2010 Mount Merapi Eruption in Indonesia'. *International Journal of Disaster Risk Reduction* 13 (September): 167–88. <https://doi.org/10.1016/j.ijdr.2015.05.006>.

Baldini, James U.L., Richard J. Brown, and Jim N. McElwaine. 2015. 'Was Millennial Scale Climate Change during the Last Glacial Triggered by Explosive Volcanism?' *Scientific Reports* 5 (1). <https://doi.org/10.1038/srep17442>.

Balkanski, Y., L. Menut, E. Garnier, R. Wang, N. Evangeliou, S. Jourdain, C. Eschstruth, M. Vrac, and P. Yiou. 2018. 'Mortality Induced by PM_{2.5} Exposure Following the 1783 Laki Eruption Using Reconstructed Meteorological Fields'. *Scientific Reports* 8 (1). <https://doi.org/10.1038/s41598-018-34228-7>.

Barberi, F., M.L. Carapezza, M. Valenza, and L. Villari. 1993. 'The Control of Lava Flow during the 1991–1992 Eruption of Mt. Etna'. *Journal of Volcanology and Geothermal Research* 56 (1–2): 1–34. [https://doi.org/10.1016/0377-0273\(93\)90048-V](https://doi.org/10.1016/0377-0273(93)90048-V).

Barberi, F., M. Martini, and M. Rosi. 1990. 'Nevado Del Ruiz Volcano (Colombia): Pre-Eruption Observations and the November 13, 1985 Catastrophic Event'. *Journal of Volcanology and Geothermal Research* 42 (1–2): 1–12. [https://doi.org/10.1016/0377-0273\(90\)90066-O](https://doi.org/10.1016/0377-0273(90)90066-O).

Barclay, J., K. Haynes, T. Mitchell, C. Solana, R. Teeuw, A. Darnell, H. S. Crossweller, et al. 2008. 'Framing Volcanic Risk Communication within Disaster Risk Reduction: Finding Ways for the Social and Physical Sciences to Work Together'. *Geological Society, London, Special Publications* 305 (1): 163–77. <https://doi.org/10.1144/SP305.14>.

Barclay, Jenni, Roger Few, M. Teresa Armijos, Jeremy C. Phillips, David M. Pyle, Anna Hicks, Sarah K. Brown, and Richard E. A. Robertson. 2019. 'Livelihoods, Wellbeing and the Risk to Life During Volcanic Eruptions'. *Frontiers in Earth Science* 7 (August). <https://doi.org/10.3389/feart.2019.00205>.

Behringer, Wolfgang, and Pamela E. Selwyn. 2019. *Tambora and the Year without a Summer: How a Volcano Plunged the World into Crisis*. Medford, MA: Polity.

Bercovici, Antoine, Ying Cui, Marie-Béatrice Forel, Jianxin Yu, and Vivi Vajda. 2015. 'Terrestrial Paleoenvironment Characterization across the Permian–Triassic Boundary in South China'. *Journal of Asian Earth Sciences* 98 (February): 225–46. <https://doi.org/10.1016/j.jseaes.2014.11.016>.

Bethke, Ingo, Stephen Outten, Odd Helge Otterå, Ed Hawkins, Sebastian Wagner, Michael Sigl, and Peter Thorne. 2017. 'Potential Volcanic Impacts on Future Climate Variability'. *Nature Climate Change* 7 (11): 799–805. <https://doi.org/10.1038/nclimate3394>.

Bias, Sebastien, and Costanza Bonadonna. 2013a. 'A Fast GIS-Based Risk Assessment for Tephra Fallout: The Example of Cotopaxi Volcano, Ecuador'. *Natural Hazards* 65 (1): 477–95. <https://doi.org/10.1007/s11069-012-0378-z>.

———. 2013b. 'A Fast GIS-Based Risk Assessment for Tephra Fallout: The Example of Cotopaxi Volcano, Ecuador'. *Natural Hazards* 65 (1): 477–95. <https://doi.org/10.1007/s11069-012-0378-z>.

Black, Benjamin A., Erik H. Hauri, Linda T. Elkins-Tanton, and Stephanie M. Brown. 2014. 'Sulfur Isotopic Evidence for Sources of Volatiles in Siberian Traps Magmas'. *Earth and Planetary Science Letters* 394 (May): 58–69. <https://doi.org/10.1016/j.epsl.2014.02.057>.

Black, Benjamin A., Jean-François Lamarque, Christine A. Shields, Linda T. Elkins-Tanton, and Jeffrey T. Kiehl. 2014. 'Acid Rain and Ozone Depletion from Pulsed Siberian Traps Magmatism'. *Geology* 42 (1): 67–70. <https://doi.org/10.1130/G34875.1>.

Black, Benjamin A., Ryan R. Neely, and Michael Manga. 2015. 'Campanian Ignimbrite Volcanism, Climate, and the Final Decline of the Neanderthals'. *Geology* 43 (5): 411–14. <https://doi.org/10.1130/G36514.1>.

Bond, David P.G., and Stephen E. Grasby. 2017. 'On the Causes of Mass Extinctions'. *Palaeogeography, Palaeoclimatology, Palaeoecology* 478 (July): 3–29. <https://doi.org/10.1016/j.palaeo.2016.11.005>.

Bottema, Sytze, and Anaya Sarpaki. 2003. 'Environmental Change in Crete: A 9000-Year Record of Holocene Vegetation History and the Effect of the Santorini Eruption'. *The Holocene* 13 (5): 733–49. <https://doi.org/10.1191/0959683603hl659rp>.

Brá. 2012. 'Climatic Effects and Impacts of the 1815 Eruption of Mount Tambora in the Czech Lands'. *Climate of the Past* 12 (6). https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa503206931&context=PC&vid=44WHELFBW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,tambora&offset=0.

Brázdil, Rudolf, Gaston R. Demarée, Mathias Deutsch, Emmanuel Garnier, Andrea Kiss, Jürg Luterbacher, Neil Macdonald, et al. 2010. 'European Floods during the Winter 1783/1784: Scenarios of an Extreme Event during the "Little Ice Age"'. *Theoretical and Applied Climatology* 100 (1–2): 163–89. <https://doi.org/10.1007/s00704-009-0170-5>.

Brian J. Soden. n.d. 'Global Cooling after the Eruption of Mount Pinatubo: A Test of Climate Feedback by Water Vapor. (Reports)'. *Science* 296 (5568): 727–31. <https://go.gale.com/ps/i.do?p=AONE&u=uniaber&id=GALE|A86062245&v=2.1&it=r>.

Brian Zambri, Allegra N. LeGrande, Alan Robock, Joanna Slawinska. 2017. 'Northern Hemisphere Winter Warming and Summer Monsoon Reduction after Volcanic Eruptions

over the Last Millennium'. *Journal of Geophysical Research: Atmospheres* 122 (15): 7971–89. <https://doi.org/10.1002/2017JD026728>.

Buizert, Christo, Michael Sigl, Mirko Severi, Bradley R. Markle, Justin J. Wettstein, Joseph R. McConnell, Joel B. Pedro, et al. 2018. 'Abrupt Ice-Age Shifts in Southern Westerly Winds and Antarctic Climate Forced from the North'. *Nature* 563 (7733): 681–85. <https://doi.org/10.1038/s41586-018-0727-5>.

Campbell, Bruce M. S. 2017. 'GLOBAL CLIMATES, THE 1257 MEGA-ERUPTION OF SAMALAS VOLCANO, INDONESIA, AND THE ENGLISH FOOD CRISIS OF 1258'. *Transactions of the Royal Historical Society* 27 (December): 87–121. <https://doi.org/10.1017/S0080440117000056>.

Cao, Shuji. 2012. 'Mt. Tambora, Climatic Changes, and China's Decline in the Nineteenth Century'. *Journal of World History* 23 (3): 587–607. https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_museS1527805012300043&context=PC&vid=44WHELP_ABW_VU1&lang=en_US&p;search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,tambora&offset=0.

Cashman, K.V., and G. Giordano. 2008. 'Volcanoes and Human History'. *Journal of Volcanology and Geothermal Research* 176 (3): 325–29. <https://doi.org/10.1016/j.jvolgeores.2008.01.036>.

'Central Mediterranean Explosive Volcanism and Tephrochronology during the Last 630 Ka Based on the Sediment Record from Lake Ohrid | Elsevier Enhanced Reader'. n.d. <https://reader.elsevier.com/reader/sd/pii/S0277379119305712?token=963CD51172E1708D01C09E5C4667F89C6CE9FD3F957B0177EC133AC6F6B960CF331F3C2E140EE61CE2D2AC8BB5E2FB1F>.

'Changes in Mid- and Far-Field Human Landscape Use Following the Laacher See Eruption (c. 13,000 BP) | Elsevier Enhanced Reader'. n.d. <https://reader.elsevier.com/reader/sd/pii/S1040618214004625?token=929B4CAB03EC49E56F14B90156292EAAF6E8D54F7094F7B6CF5AE121276CECE216DD6C7A1DA67398981B648F9A2252DA>.

Chester, David K. 1994. *Volcanoes and Society*. London: E. Arnold.

Chester, David K, Christopher J.L Dibben, and Angus M Duncan. 2002. 'Volcanic Hazard Assessment in Western Europe'. *Journal of Volcanology and Geothermal Research* 115 (3–4): 411–35. [https://doi.org/10.1016/S0377-0273\(02\)00210-X](https://doi.org/10.1016/S0377-0273(02)00210-X).

Chester, David K., Angus M. Duncan, and Christopher J.L. Dibben. 2008. 'The Importance of Religion in Shaping Volcanic Risk Perception in Italy, with Special Reference to Vesuvius and Etna'. *Journal of Volcanology and Geothermal Research* 172 (3–4): 216–28. <https://doi.org/10.1016/j.jvolgeores.2007.12.009>.

Chester, David K., Angus M. Duncan, and Heather Sangster. 2012. 'Human Responses to Eruptions of Etna (Sicily) during the Late-Pre-Industrial Era and Their Implications for Present-Day Disaster Planning'. *Journal of Volcanology and Geothermal Research* 225–226 (May): 65–80. <https://doi.org/10.1016/j.jvolgeores.2012.02.017>.

Clarkson, Chris. 2014. 'Continuity and Change in the Lithic Industries of the Jurreru Valley, India, before and after the Toba Eruption.(Report)'. *Quaternary International* 258. https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa285620226&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22toba%20eruption%22&offset=0.

Cole-Dai, Jihong, David Ferris, Alyson Lanciki, Joël Savarino, Mélanie Baroni, and Mark H. Thiemens. 2009. 'Cold Decade (AD 1810–1819) Caused by Tambora (1815) and Another (1809) Stratospheric Volcanic Eruption'. *Geophysical Research Letters* 36 (22). <https://doi.org/10.1029/2009GL040882>.

'Combining Historical and 14C Data to Assess Pyroclastic Density Current Hazards in Baños City near Tungurahua Volcano (Ecuador) | Elsevier Enhanced Reader'. n.d. <https://reader.elsevier.com/reader/sd/pii/S1040618215006527?token=4101E87BDEF7DB65923F9AA1B5FC04E275004933C8457E4B5DFF9A5C5FF6FA744CA133B014E81D6C792BA3B7CC418437>.

'Communicating Eruption and Hazard Forecasts on Vesuvius, Southern Italy'. n.d. http://www.ucl.ac.uk/volcanoscope/files/pdf%20files/Solana%20et%20al_Hazard%20Perception_Vesuvius_JVGR_2008.pdf.

Connor, C. B. 2003. 'Exploring Links between Physical and Probabilistic Models of Volcanic Eruptions: The Soufrière Hills Volcano, Montserrat'. *Geophysical Research Letters* 30 (13). <https://doi.org/10.1029/2003GL017384>.

'Constraints on the Volume and Rate of Deccan Traps Flood Basalt Eruptions Using a Combination of High-Resolution Terrestrial Mercury Records and Geochemical Box Models | Elsevier Enhanced Reader'. n.d. <https://reader.elsevier.com/reader/sd/pii/S0012821X19304133?token=9B50E6970E7293FB00EDE636D74F62EB0BA45C33FA245DAD1476902AD1287E896D7A6219235DCC54A359E42D94D895D0>.

Convertito, Vincenzo, and Aldo Zollo. 2011. 'Assessment of Pre-Crisis and Syn-Crisis Seismic Hazard at Campi Flegrei and Mt. Vesuvius Volcanoes, Campania, Southern Italy'. *Bulletin of Volcanology* 73 (6): 767–83. <https://doi.org/10.1007/s00445-011-0455-2>.

Cooper, Claire L., Graeme T. Swindles, Ivan P. Savov, Anja Schmidt, and Karen L. Bacon. 2018. 'Evaluating the Relationship between Climate Change and Volcanism'. *Earth-Science Reviews* 177 (February): 238–47. <https://doi.org/10.1016/j.earscirev.2017.11.009>.

Costa, A., A. Folch, G. Macedonio, B. Giaccio, R. Isaia, and V. C. Smith. 2012. 'Quantifying Volcanic Ash Dispersal and Impact of the Campanian Ignimbrite Super-Eruption'. *Geophysical Research Letters* 39 (10): n/a-n/a. <https://doi.org/10.1029/2012GL051605>.

'Countries | UNITAR'. n.d. <https://unitar.org/maps/countries>.

Courtillot, V, C Jaupart, I Manighetti, P Tapponnier, and J Besse. 1999. 'On Causal Links between Flood Basalts and Continental Breakup'. *Earth and Planetary Science Letters* 166 (3–4): 177–95. [https://doi.org/10.1016/S0012-821X\(98\)00282-9](https://doi.org/10.1016/S0012-821X(98)00282-9).

Cousins, Claire R., and Ian A. Crawford. 2011. 'Volcano-Ice Interaction as a Microbial Habitat on Earth and Mars'. *Astrobiology* 11 (7): 695–710.
<https://doi.org/10.1089/ast.2010.0550>.

'Cp-2017-147.Pdf'. n.d. <https://www.clim-past-discuss.net/cp-2017-147/cp-2017-147.pdf>.

Cui, Ying, and Lee R. Kump. 2015. 'Global Warming and the End-Permian Extinction Event: Proxy and Modeling Perspectives'. *Earth-Science Reviews* 149 (October): 5–22.
<https://doi.org/10.1016/j.earscirev.2014.04.007>.

Darcy E. Ogden and Norman H. Sleep. 2012a. 'Explosive Eruption of Coal and Basalt and the End-Permian Mass Extinction'. *Proceedings of the National Academy of Sciences of the United States of America* 109 (1).
https://www.jstor.org/stable/23076231?seq=1#metadata_info_tab_contents.

———. 2012b. 'Explosive Eruption of Coal and Basalt and the End-Permian Mass Extinction'. *Proceedings of the National Academy of Sciences of the United States of America* 109 (1).
https://www.jstor.org/stable/23076231?seq=1#metadata_info_tab_contents.

D'Arrigo, Rosanne, Richard Seager, Jason E. Smerdon, Allegra N. LeGrande, and Edward R. Cook. 2011. 'The Anomalous Winter of 1783-1784: Was the Laki Eruption or an Analog of the 2009-2010 Winter to Blame?' *Geophysical Research Letters* 38 (5): n/a-n/a.
<https://doi.org/10.1029/2011GL046696>.

D'Arrigo, Rosanne, Rob Wilson, and Kevin J. Anchukaitis. 2013. 'Volcanic Cooling Signal in Tree Ring Temperature Records for the Past Millennium'. *Journal of Geophysical Research: Atmospheres* 118 (16): 9000–9010. <https://doi.org/10.1002/jgrd.50692>.

De la Cruz-Reyna, Servando, and Robert I. Tilling. 2008. 'Scientific and Public Responses to the Ongoing Volcanic Crisis at Popocatepetl Volcano, Mexico: Importance of an Effective Hazards-Warning System'. *Journal of Volcanology and Geothermal Research* 170 (1–2): 121–34. <https://doi.org/10.1016/j.jvolgeores.2007.09.002>.

'Deccan Volcanism Caused Coupled pCO₂ and Terrestrial Temperature Rises, and Pre-Impact Extinctions in Northern China - Zhang et al., Accepted.Pdf'. n.d.
<http://eprints.whiterose.ac.uk/128432/1/Zhang%20et%20al.%2C%20accepted.pdf>.

Decker, Robert W., and Barbara Decker. 1998. *Volcanoes*. 3rd ed. New York: W. H. Freeman.

Delos Reyes, Perla J., Ma. Antonia V. Bornas, Dale Dominey-Howes, Abigail C. Pidlaoan, Christina R. Magill, and Renato U. Solidum, Jr. 2018. 'A Synthesis and Review of Historical Eruptions at Taal Volcano, Southern Luzon, Philippines'. *Earth-Science Reviews* 177 (February): 565–88. <https://doi.org/10.1016/j.earscirev.2017.11.014>.

Di Vito, Mauro A., P. Talamo, S. de Vita, I. Rucco, G. Zanchetta, and M. Cesarano. 2019. 'Dynamics and Effects of the Vesuvius Pomici Di Avellino Plinian Eruption and Related Phenomena on the Bronze Age Landscape of Campania Region (Southern Italy)'. *Quaternary International* 499 (January): 231–44.
<https://doi.org/10.1016/j.quaint.2018.03.021>.

Dibben, Christopher, and David K Chester. 1999. 'Human Vulnerability in Volcanic Environments: The Case of Furnas, São Miguel, Azores'. *Journal of Volcanology and Geothermal Research* 92 (1-2): 133-50. [https://doi.org/10.1016/S0377-0273\(99\)00072-4](https://doi.org/10.1016/S0377-0273(99)00072-4).

Dogar, Muhammad Mubashar, Georgiy Stenchikov, Sergey Osipov, Bruce Wyman, and Ming Zhao. 2017. 'Sensitivity of the Regional Climate in the Middle East and North Africa to Volcanic Perturbations'. *Journal of Geophysical Research: Atmospheres* 122 (15): 7922-48. <https://doi.org/10.1002/2017JD026783>.

Driessen, Jan. 2019. 'The Santorini Eruption. An Archaeological Investigation of Its Distal Impacts on Minoan Crete'. *Quaternary International* 499 (January): 195-204. <https://doi.org/10.1016/j.quaint.2018.04.019>.

Dunbar, Nelia W., Nels A. Iverson, Alexa R. Van Eaton, Michael Sigl, Brent V. Alloway, Andrei V. Kurbatov, Larry G. Mastin, Joseph R. McConnell, and Colin J. N. Wilson. 2017. 'New Zealand Supereruption Provides Time Marker for the Last Glacial Maximum in Antarctica'. *Scientific Reports* 7 (1). <https://doi.org/10.1038/s41598-017-11758-0>.

'Early to Late Maastrichtian Environmental Changes in the Indian Ocean Compared with Tethys and South Atlantic | Elsevier Enhanced Reader'. n.d. <https://reader.elsevier.com/reader/sd/pii/S003101821730069X?token=9E59368BF1A480D19C41B03216AE62CFB032CE517B33FD17B2D4C8AFC4CD0C3014B95F72AD1F4E87F5D05888E6623F45>.

'Earth-Science Reviews'. 2015 149. <https://www.sciencedirect.com/journal/earth-science-reviews/vol/149>.

'Effects of Volcanic Air Pollution on Health'. n.d. https://www.researchgate.net/publication/12118448_Effects_of_volcanic_air_pollution_on_health.

Ernst, Richard E., Kenneth L. Buchan, and Ian H. Campbell. 2005. 'Frontiers in Large Igneous Province Research'. *Lithos* 79 (3-4): 271-97. <https://doi.org/10.1016/j.lithos.2004.09.004>.

Ernst, Richard E., and Nasrddine Youbi. 2017a. 'How Large Igneous Provinces Affect Global Climate, Sometimes Cause Mass Extinctions, and Represent Natural Markers in the Geological Record'. *Palaeogeography, Palaeoclimatology, Palaeoecology* 478 (July): 30-52. <https://doi.org/10.1016/j.palaeo.2017.03.014>.

———. 2017b. 'How Large Igneous Provinces Affect Global Climate, Sometimes Cause Mass Extinctions, and Represent Natural Markers in the Geological Record'. *Palaeogeography, Palaeoclimatology, Palaeoecology* 478 (July): 30-52. <https://doi.org/10.1016/j.palaeo.2017.03.014>.

'Evidence of Cultural Responses to the Impact of the Mazama Ash Fall from Deeply Stratified Archaeological Sites in Southern Alberta, Canada | Elsevier Enhanced Reader'. n.d. <https://reader.elsevier.com/reader/sd/pii/S1040618214005710?token=2963043EA7F872BCF96AAEA166AE865544D5787E1296D650809F7892FA0844B6E60DA91320E7AF252ADE63CD2B04B40D>.

'Evidence---based Volcanology: Application to Eruption Crises'. n.d.
http://www.geo.mtu.edu/~raman/VTimeSer/Bayesian_files/aspinall_etal_evidence_based_volcanology_application_eruption_crisis_Galeras.pdf.

'Expert Judgment and the Montserrat Volcano Eruption'. n.d.
<http://dutiosc.twi.tudelft.nl/~risk/extrafiles/EJcourse/Sheets/Aspinall%20&%20Cooke%20PSAM4%203-9.pdf>.

Fahrenkamp-Uppenbrink, Julia. 2019. 'Preparing for the next Supereruption'. *Science* 363 (6433): 1296.16-1298. <https://doi.org/10.1126/science.363.6433.1296-p>.

Fantasia, Alicia, Thierry Adatte, Jorge E. Spangenberg, and Eric Font. 2016. 'Palaeoenvironmental Changes Associated with Deccan Volcanism, Examples from Terrestrial Deposits from Central India'. *Palaeogeography, Palaeoclimatology, Palaeoecology* 441 (January): 165–80. <https://doi.org/10.1016/j.palaeo.2015.06.032>.

Fearnley, C. J., W. J. McGuire, G. Davies, and J. Twigg. 2012. 'Standardisation of the USGS Volcano Alert Level System (VALS): Analysis and Ramifications'. *Bulletin of Volcanology* 74 (9): 2023–36. <https://doi.org/10.1007/s00445-012-0645-6>.

Fearnley, Carina J., Deanne K. Bird, Katharine Haynes, William J. McGuire, and Gill Jolly, eds. 2018. *Observing the Volcano World: Volcano Crisis Communication*. 1st ed. 2018. Cham: Springer International Publishing.
http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3783283660002418&institutionId=2418&customerId=2415.

Fedele, Francesco G., Biagio Giaccio, and Irka Hajdas. 2008. 'Timescales and Cultural Process at 40,000BP in the Light of the Campanian Ignimbrite Eruption, Western Eurasia'. *Journal of Human Evolution* 55 (5): 834–57. <https://doi.org/10.1016/j.jhevol.2008.08.012>.

Fedele, Francesco G., Biagio Giaccio, Roberto Isaia, and Giovanni Orsi. 2002. 'Ecosystem Impact of the Campanian Ignimbrite Eruption in Late Pleistocene Europe'. *Quaternary Research* 57 (3): 420–24. <https://doi.org/10.1006/qres.2002.2331>.

Fei, Jie, and Jie Zhou. 2006a. 'The Possible Climatic Impact in China of Iceland's Eldgjá Eruption Inferred from Historical Sources'. *Climatic Change* 76 (3–4): 443–57.
<https://doi.org/10.1007/s10584-005-9012-3>.

———. 2006b. 'The Possible Climatic Impact in China of Iceland's Eldgjá Eruption Inferred from Historical Sources'. *Climatic Change* 76 (3–4): 443–57.
<https://doi.org/10.1007/s10584-005-9012-3>.

Few, Roger, Maria Teresa Armijos, and Jenni Barclay. 2017a. 'Living with Volcan Tungurahua: The Dynamics of Vulnerability during Prolonged Volcanic Activity'. *Geoforum* 80 (March): 72–81. <https://doi.org/10.1016/j.geoforum.2017.01.006>.

———. 2017b. 'Living with Volcan Tungurahua: The Dynamics of Vulnerability during Prolonged Volcanic Activity'. *Geoforum* 80 (March): 72–81.
<https://doi.org/10.1016/j.geoforum.2017.01.006>.

Firth, Callum R., and Bill McGuire. 1999. *Volcanoes in the Quaternary*. Vol. Geological

Society special publication. London: Geological Society.

Fitzsimmons, Kathryn E., Ulrich Hambach, Daniel Veres, and Radu Iovita. 2013. 'The Campanian Ignimbrite Eruption: New Data on Volcanic Ash Dispersal and Its Potential Impact on Human Evolution'. *PLoS ONE* 8 (6).
<https://doi.org/10.1371/journal.pone.0065839>.

Flückiger, Simon, Stefan Brönnimann, Annelie Holzkämper, Jürg Fuhrer, Daniel Krämer, Christian Pfister, and Christian Rohr. 2017. 'Simulating Crop Yield Losses in Switzerland for Historical and Present Tambora Climate Scenarios'. *Environmental Research Letters* 12 (7).
<https://doi.org/10.1088/1748-9326/aa7246>.

Francis, Peter, and Clive Oppenheimer. 2004. *Volcanoes - 10 Copies in the Library*. 2nd ed. Oxford: Oxford University Press.

Franck Lavigne, Jean-Philippe Degeai, Jean-Christophe Komorowski, Sébastien Guillet, Vincent Robert, Pierre Lahitte, Clive Oppenheimer, Markus Stoffel, Céline M. Vidal, Surono, Indyo Pratomo, Patrick Wassmer, Irka Hajdas, Danang Sri Hadmoko and Edouard de Belizal. 2013. 'Source of the Great A.D. 1257 Mystery Eruption Unveiled, Samalas Volcano, Rinjani Volcanic Complex, Indonesia'. *Proceedings of the National Academy of Sciences of the United States of America* 110 (42).
https://www.jstor.org/stable/23750657?seq=1#metadata_info_tab_contents.

Fraser, Nicholas C., and Hans-Dieter Sues. 2010. 'The Beginning of the "Age of Dinosaurs": A Brief Overview of Terrestrial Biotic Changes during the Triassic'. *Earth and Environmental Science Transactions of the Royal Society of Edinburgh* 101 (3-4): 189-200.
<https://doi.org/10.1017/S1755691011020019>.

'Gale General OneFile - Document - Air Pollution "Causes More Deaths than Smoking"'. n.d.
<https://go.gale.com/ps/i.do?&id=GALE|A578128317&v=2.1&u=uniaber&p;it=r&p=ITOF&sw=w>.

'Gale General OneFile - Document - First Eyewitness Accounts of Mystery Volcanic Eruption'. n.d.
<https://go.gale.com/ps/i.do?&id=GALE|A383506238&v=2.1&u=uniaber&p;it=r&p=ITOF&sw=w>.

Gao, Chaochao, Yujuan Gao, Qian Zhang, and Chunming Shi. 2017. 'Climatic Aftermath of the 1815 Tambora Eruption in China'. *Journal of Meteorological Research* 31 (1): 28-38.
<https://doi.org/10.1007/s13351-017-6091-9>.

Garcia Garriga, Joan, Kenneth Martínez Molina, and Javier Baena Preysler. 2012. 'Neanderthal Survival in the North of the Iberian Peninsula? Reflections from a Catalan and Cantabrian Perspective'. *Journal of World Prehistory* 25 (2): 81-121.
<https://doi.org/10.1007/s10963-012-9057-y>.

Gertisser, R. 2012. 'The Great 1815 Eruption of Tambora and Future Risks from Large-Scale Volcanism.(Report)'. *Geology Today* 31 (4).
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa423720429&context=PC&vid=44WHEL_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&quer

y=any,contains,tambora&offset=0.

Giuseppe Mastrolorenzo, Pierpaolo Petrone, Lucia Pappalardo and Michael F. Sheridan. 2006. 'The Avellino 3780-Yr-B.P. Catastrophe as a Worst-Case Scenario for a Future Eruption at Vesuvius'. *Proceedings of the National Academy of Sciences of the United States of America* 103 (12).

https://www.jstor.org/stable/30048947?seq=1#metadata_info_tab_contents.

GLIKSON, A. 2005. 'Asteroid/Comet Impact Clusters, Flood Basalts and Mass Extinctions: Significance of Isotopic Age Overlaps'. *Earth and Planetary Science Letters* 236 (3-4): 933-37. <https://doi.org/10.1016/j.epsl.2005.05.007>.

Grasby, Stephen E., Hamed Sanei, and Benoit Beauchamp. 2011. 'Catastrophic Dispersion of Coal Fly Ash into Oceans during the Latest Permian Extinction'. *Nature Geoscience* 4 (2): 104-7. <https://doi.org/10.1038/ngeo1069>.

Grasby, Stephen E., Theodore R. Them, Zhuoheng Chen, Runsheng Yin, and Omid H. Ardakani. 2019. 'Mercury as a Proxy for Volcanic Emissions in the Geologic Record'. *Earth-Science Reviews* 196 (September). <https://doi.org/10.1016/j.earscirev.2019.102880>.

Gräslund, BoPrice, Neil. n.d. 'Twilight of the Gods? The Dust Veil Event of AD 536 in Critical Perspective' 86 (2): 428-43.

<https://search.proquest.com/docview/1021249071/9F226CEE94194FE3PQ/1?accountid=14783>.

Grattan, John. 2005. 'Pollution and Paradigms: Lessons from Icelandic Volcanism for Continental Flood Basalt Studies'. *Lithos* 79 (3-4): 343-53.

<https://doi.org/10.1016/j.lithos.2004.09.006>.

———. 2006. 'Aspects of Armageddon: An Exploration of the Role of Volcanic Eruptions in Human History and Civilization'. *Quaternary International* 151 (1): 10-18.

<https://doi.org/10.1016/j.quaint.2006.01.019>.

Grattan, John, Robin Torrence, and World Archaeological Congress. 2007a. *Living under the Shadow: Cultural Impacts of Volcanic Eruptions*. Vol. 53. Walnut Creek, Calif: Left Coast Press.

http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3794712070002418&institutionId=2418&customerId=2415.

———. 2007b. *Living under the Shadow: Cultural Impacts of Volcanic Eruptions*. Vol. 53. Walnut Creek, Calif: Left Coast Press.

http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3735715500002418&institutionId=2418&customerId=2415.

Grattan, J.P., and F.B. Pyatt. 1994. 'Acid Damage to Vegetation Following the Laki Fissure Eruption in 1783 — an Historical Review'. *Science of The Total Environment* 151 (3): 241-47. [https://doi.org/10.1016/0048-9697\(94\)90473-1](https://doi.org/10.1016/0048-9697(94)90473-1).

Gualda, Guilherme A. R., and Stephen R. Sutton. 2016. 'The Year Leading to a Supereruption'. *PLOS ONE* 11 (7). <https://doi.org/10.1371/journal.pone.0159200>.

Guillet, S. 2017. 'Climate Response to the 1257 Samalas Eruption Revealed 1 by Proxy Records'. <https://www.repository.cam.ac.uk/handle/1810/262757>.

Gurioli, L., R. Sulpizio, R. Cioni, A. Sbrana, R. Santacroce, W. Luperini, and D. Andronico. 2010. 'Pyroclastic Flow Hazard Assessment at Somma-Vesuvius Based on the Geological Record'. *Bulletin of Volcanology* 72 (9): 1021–38. <https://doi.org/10.1007/s00445-010-0379-2>.

H. Tuffen and R. Betts. 2010. 'Volcanism and Climate: Chicken and Egg (or Vice Versa)?' *Philosophical Transactions: Mathematical, Physical and Engineering Sciences* 368 (1919): 2585–88. <http://www.jstor.org/stable/25753430>.

Haraldur Sigurdsson, Stanford Cashdollar and Stephen R. J. Sparks. 1982. 'The Eruption of Vesuvius in A. D. 79: Reconstruction from Historical and Volcanological Evidence'. *American Journal of Archaeology* 86 (1): 39–51. <http://www.jstor.org/stable/504292>.

Harington, C. R. 1992. *The Year without a Summer?: World Climate in 1816*. Ottawa: Canadian Museum of Nature.

Harris, Bethan. 2008. 'The Potential Impact of Super-Volcanic Eruptions on the Earth's Atmosphere'. *Weather* 63 (8): 221–25. <https://doi.org/10.1002/wea.263>.

Hartmann, William K., Michael Malin, Alfred McEwen, Michael Carr, Larry Soderblom, Peter Thomas, Ed Danielson, Phillip James, and Joseph Veverka. 1999. 'Evidence for Recent Volcanism on Mars from Crater Counts'. *Nature* 397 (6720): 586–89. <https://doi.org/10.1038/17545>.

Haslam, Michael, Chris Clarkson, Michael Petraglia, Ravi Korisettar, Sacha Jones, Ceri Shipton, Peter Ditchfield, and Stanley H. Ambrose. 2010. 'The 74 Ka Toba Super-Eruption and Southern Indian Hominins: Archaeology, Lithic Technology and Environments at Jwalapuram Locality 3'. *Journal of Archaeological Science* 37 (12): 3370–84. <https://doi.org/10.1016/j.jas.2010.07.034>.

Haslam, Michael, and Michael Petraglia. 2010. 'Comment on "Environmental Impact of the 73ka Toba Super-Eruption in South Asia" by M.A.J. Williams, S.H. Ambrose, S. van Der Kaars, C. Ruehlemann, U. Chattopadhyaya, J. Pal and P.R. Chauhan [Palaeogeography, Palaeoclimatology, Palaeoecology 284 (2009) 295–314]'. *Palaeogeography, Palaeoclimatology, Palaeoecology* 296 (1–2): 199–203. <https://doi.org/10.1016/j.palaeo.2010.03.057>.

Haynes, Katharine, Jenni Barclay, and Nick Pidgeon. 2008. 'The Issue of Trust and Its Influence on Risk Communication during a Volcanic Crisis'. *Bulletin of Volcanology* 70 (5): 605–21. <https://doi.org/10.1007/s00445-007-0156-z>.

'Hazard Information Management during the Autumn 2004 Reawakening of Mount St. Helens Volcano, Washington: Chapter 24 in *A Volcano Rekindled: The Renewed Eruption of Mount St. Helens, 2004-2006*'. n.d. <http://pubs.er.usgs.gov/publication/pp175024>.

Head, James W., L. S. Crumpler, Jayne C. Aubele, John E. Guest, and R. Stephen Saunders. 1992. 'Venus Volcanism: Classification of Volcanic Features and Structures, Associations, and Global Distribution from Magellan Data'. *Journal of Geophysical Research* 97 (E8). <https://doi.org/10.1029/92JE01273>.

'Hints of a Volcanically Active Exomoon'. 2011. Space Daily. https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofg597833465&context=PC&vid=44WHELFBW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,exo%20volcanism&offset=0.

'Historical Unrest at Large Calderas of the World'. n.d. <http://pubs.er.usgs.gov/publication/b1855>.

Hizbaron, D.R., D.S. Hadmoko, E.T.W. Mei, S.H. Murti, M.R.T. Laksani, A.F. Tiyansyah, E. Siswanti, and I.E. Tampubolon. 2018. 'Towards Measurable Resilience: Mapping the Vulnerability of at-Risk Community at Kelud Volcano, Indonesia'. *Applied Geography* 97 (August): 212–27. <https://doi.org/10.1016/j.apgeog.2018.06.012>.

Hodel, F., M. Macouin, R. I. F. Trindade, A. Triantafyllou, J. Ganne, V. Chavagnac, J. Berger, et al. 2018. 'Fossil Black Smoker Yields Oxygen Isotopic Composition of Neoproterozoic Seawater'. *Nature Communications* 9 (1). <https://doi.org/10.1038/s41467-018-03890-w>.

Hoffecker, John F., Vance T. Holliday, M.V. Anikovich, A.A. Sinitsyn, V.V. Popov, S.N. Lisitsyn, G.M. Levkovskaya, G.A. Pospelova, Steven L. Forman, and Biagio Giaccio. 2008. 'From the Bay of Naples to the River Don: The Campanian Ignimbrite Eruption and the Middle to Upper Paleolithic Transition in Eastern Europe'. *Journal of Human Evolution* 55 (5): 858–70. <https://doi.org/10.1016/j.jhevol.2008.08.018>.

Höskuldsson, Ármann, Níels Óskarsson, Rikke Pedersen, Karl Grönvold, Kristín Vogfjörð, and Rósa Ólafsdóttir. 2007. 'The Millennium Eruption of Hekla in February 2000'. *Bulletin of Volcanology* 70 (2): 169–82. <https://doi.org/10.1007/s00445-007-0128-3>.

Huang, Cy. 2014. 'Cooling of the South China Sea by the Toba Eruption and Correlation with Other Climate Proxies Similar to 71,000 Years Ago'. *Geophysical Research Letters* 28 (20): 3915–18. https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_wos000171588000023&context=PC&vid=44WHELFBW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22toba%20eruption%22&offset=0.

Hubbard, Zachary. 2019. 'Paintings in the Year Without a Summer'. *Philologia* 11 (1). <https://doi.org/10.21061/ph.173>.

J. Lelieveld. n.d. 'The Contribution of Outdoor Air Pollution Sources to Premature Mortality on a Global Scale'. *Nature* 525 (7569): 367–85. <https://go.gale.com/ps/i.do?p=AONE&u=uniaber&id=GALE%7CA429410745&p;v=2.1&it=r>.

J. U. L. Baldini. 2018. 'Evaluating the Link between the Sulfur-Rich Laacher See Volcanic Eruption and the Younger Dryas Climate Anomaly'. *Climate of the Past* 14: 969–90.

<https://doaj.org/article/c82dab44001c4b949ee409f70f257021>.

Jacoby, Gc. 1999. 'Laki Eruption of 1783, Tree Rings, and Disaster for Northwest Alaska Inuit'. *Quaternary Science Reviews* 18 (12): 1365–71.

https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_wos000083568700004&context=PC&vid=44WHELFBW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22laki%20eruption%22&offset=0.

Joanna Slawinska. 2018. 'Impact of Volcanic Eruptions on Decadal to Centennial Fluctuations of Arctic Sea Ice Extent during the Last Millennium and on Initiation of the Little Ice Age', February. <https://doi.org/JCLI-D-16-0498>.

João Zilhão. 2006. 'Neandertals and Moderns Mixed, and It Matters'. *Evolutionary Anthropology: Issues, News, and Reviews* 15 (5): 183–95.
<https://doi.org/10.1002/evan.20110>.

John Lowe, Nick Barton, Simon Blockley, Christopher Bronk Ramsey, Victoria L. Cullen, William Davies, Clive Gamble, Katharine Grant, Mark Hardiman, Rupert Housley, Christine S. Lane, Sharen Lee, Mark Lewis, Alison MacLeod, Martin Menzies, Wolfgang Müller, Mark Pollard, Catherine Price, Andrew P. Roberts, Eelco J. Rohling, Chris Satow, Victoria C. Smith, Chris B. Stringer, Emma L. Tomlinson, Dustin White, Paul Albert, Ilenia Arienzo, Graeme Barker, Dušan Borić, Antonio Carandente, Lucia Civetta, Catherine Ferrier, Jean-Luc Guadelli, Panagiotis Karkanas, Margarita Koumouzelis, Ulrich C. Müller, Giovanni Orsi, Jörg Pross, Mauro Rosi, Ljiljana Shalamanov-Korobar, Nikolay Sirakov and Polychronis C. Tzedakis. 2012. 'Volcanic Ash Layers Illuminate the Resilience of Neanderthals and Early Modern Humans to Natural Hazards'. *Proceedings of the National Academy of Sciences of the United States of America* 109 (34).
https://www.jstor.org/stable/41700966?seq=1#metadata_info_tab_contents.

Jo

n
Steingri

msson. 1998a. *Fires of the Earth: The Laki Eruption, 1783-1784*.
Reykjavi

k: Nordic Volcanological Institute.

———. 1998b. *Fires of the Earth: The Laki Eruption, 1783-1784*.
Reykjavi

k: Nordic Volcanological Institute.

Jona Schellekens. n.d. 'Irish Famines and English Mortality in the Eighteenth Century'. *The Journal of Interdisciplinary History* 27 (1): 29–43.
<https://go.gale.com/ps/i.do?&id=GALE|A18579104&v=2.1&u=uniaber&it=r&p=AONE&sw=w>.

Jonathan Stone. 2014. 'Risk Reduction through Community-Based Monitoring: The Vigías of

- Tungurahua, Ecuador'. *Journal of Applied Volcanology* 3 (1).
<https://appliedvolc.biomedcentral.com/articles/10.1186/s13617-014-0011-9>.
- Jones, Sacha Claire. 2010. 'Palaeoenvironmental Response to the ~74 Ka Toba Ash-Fall in the Jurreru and Middle Son Valleys in Southern and North-Central India'. *Quaternary Research* 73 (2): 336–50. <https://doi.org/10.1016/j.yqres.2009.11.005>.
- 'Journal of Volcanology and Geothermal Research: Special Issue on Sinabung and Kelud'. 2019 382.
<https://www.sciencedirect.com/journal/journal-of-volcanology-and-geothermal-research/vol/382/suppl/C>.
- JUN SHEN, YONG LEI, THOMAS J. ALGEO, QINGLAI FENG, THOMAS SERVAIS, JIANXIN YU and LIAN ZHOU. 2013. 'VOLCANIC EFFECTS ON MICROPLANKTON DURING THE PERMIAN-TRIASSIC TRANSITION (SHANGSI AND XINMIN, SOUTH CHINA)'. *PALAIOS* 28 (7).
https://www.jstor.org/stable/43683731?seq=1#metadata_info_tab_contents.
- Kaltenegger, L., W. G. Henning, and D. D. Sasselov. 2010. 'DETECTING VOLCANISM ON EXTRASOLAR PLANETS'. *The Astronomical Journal* 140 (5): 1370–80.
<https://doi.org/10.1088/0004-6256/140/5/1370>.
- Kandlbauer, J., P. O. Hopcroft, P. J. Valdes, and R. S. J. Sparks. 2013. 'Climate and Carbon Cycle Response to the 1815 Tambora Volcanic Eruption'. *Journal of Geophysical Research: Atmospheres* 118 (22): 12,497–12,507. <https://doi.org/10.1002/2013JD019767>.
- Kandlbauer, J., and R.S.J. Sparks. 2014. 'New Estimates of the 1815 Tambora Eruption Volume'. *Journal of Volcanology and Geothermal Research* 286 (October): 93–100.
<https://doi.org/10.1016/j.jvolgeores.2014.08.020>.
- Kathryn E Fitzsimmons. 2013. 'The Campanian Ignimbrite Eruption: New Data on Volcanic Ash Dispersal and Its Potential Impact on Human Evolution.' *PLoS ONE* 8 (6).
<https://doi.org/10.1371/journal.pone.0157337>.
- Keller, G., P. K. Bhowmick, H. Upadhyay, A. Dave, A. N. Reddy, B. C. Jaiprakash, and T. Adatte. 2011. 'Deccan Volcanism Linked to the Cretaceous-Tertiary Boundary Mass Extinction: New Evidence from ONGC Wells in the Krishna-Godavari Basin'. *Journal of the Geological Society of India* 78 (5): 399–428. <https://doi.org/10.1007/s12594-011-0107-3>.
- Keller, G., A. Sahni, and S. Bajpai. 2009. 'Deccan Volcanism, the KT Mass Extinction and Dinosaurs'. *Journal of Biosciences* 34 (5): 709–28.
<https://doi.org/10.1007/s12038-009-0059-6>.
- Kent, Adam. 2015. 'RESEARCH FOCUS: Tackling Supervolcanoes: Big and Fast?' *Geology* 43 (11): 1039–40. <https://doi.org/10.1130/focus112015.1>.
- Knappett, Carl Rivers, Ray Evans, Tim. n.d. 'The Thera Eruption and Minoan Palatial Collapse' 85 (9): 1008–23.
<https://search.proquest.com/docview/896272713/fulltextPDF/3F1AFA67A52F429DPQ/1?accountid=14783>.
- Künzler, Matthias, Christian Huggel, and Juan Manuel Ramírez. 2012. 'A Risk Analysis for

Floods and Lahars: Case Study in the Cordillera Central of Colombia'. *Natural Hazards* 64 (1): 767–96. <https://doi.org/10.1007/s11069-012-0271-9>.

Lanciki, Alyson, Jihong Cole-Dai, Mark H. Thiemens, and Joël Savarino. 2012. 'Sulfur Isotope Evidence of Little or No Stratospheric Impact by the 1783 Laki Volcanic Eruption'. *Geophysical Research Letters* 39 (1): n/a-n/a. <https://doi.org/10.1029/2011GL050075>.

Lane, C. S., B. T. Chorn, and T. C. Johnson. 2013. 'Ash from the Toba Supereruption in Lake Malawi Shows No Volcanic Winter in East Africa at 75 Ka'. *Proceedings of the National Academy of Sciences* 110 (20): 8025–29. <https://doi.org/10.1073/pnas.1301474110>.

Lane, Christine S. 2013. 'Ash from the Toba Supereruption in Lake Malawi Shows No Volcanic Winter in East Africa at 75 Ka'. *Proceedings of the National Academy of Sciences of the United States of America* 110 (20): 8025–29. https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_faoagrisUS201600137554&context=PC&vid=44WHELF_ABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&pquery=any,contains,%22supereruption%22&offset=0.

'Late Pleistocene Human Population Bottlenecks, Volcanic Winter, and Differentiation of Modern Humans | Elsevier Enhanced Reader'. n.d. <https://reader.elsevier.com/reader/sd/pii/S0047248498902196?token=7552FDE4AD153D8033B785131D7F8AC34E3E0ABA77DAB40EB3C9A449AD44583FDD787C3AF2592A72C48BA00A84A91473>.

Lawrence M. E. Percival, Micha Ruhl, Stephen P. Hesselbo, Hugh C. Jenkyns, Tamsin A. Mather and Jessica H. Whiteside. 2017. 'Mercury Evidence for Pulsed Volcanism during the End-Triassic Mass Extinction'. *Proceedings of the National Academy of Sciences of the United States of America* 114 (30). https://www.jstor.org/stable/26486132?Search=yes&resultItemClick=true&searchUri=%2Ftopic%2Fmass-extinction-events%2F%3FsearchType%3DfacetSearch%26amp%3Bsd%3D%26amp%3Bed%3D%26amp%3Brefreqid%3Dexcelsior%253A4c7a3104ad8fb89411b0d3db9f073dbe%26amp%3Bpagemark%3DcGFnZU1hcms9NA%253D%253D%26amp%3Btopic%3Dmass-extinction-events%26amp%3Ballow_empty_query%3DTrue&ab_segments=0%2Fbasic_SYC-5055%2Fcontrol&seq=1#metadata_info_tab_contents.

Leonard, Graham S., David M. Johnston, Douglas Paton, Amy Christianson, Julia Becker, and Harry Keys. 2008. 'Developing Effective Warning Systems: Ongoing Research at Ruapehu Volcano, New Zealand'. *Journal of Volcanology and Geothermal Research* 172 (3–4): 199–215. <https://doi.org/10.1016/j.jvolgeores.2007.12.008>.

'Lessons from Recent Icelandic Eruptions'. n.d. https://www.chathamhouse.org/sites/default/files/public/Research/Energy,%20Environment%20and%20Development/r0112_highimpact.pdf.

Lindström, Sofie, Hamed Sanei, Bas van de Schootbrugge, Gunver K. Pedersen, Charles E. Leshner, Christian Tegner, Carmen Heunisch, Karen Dybkjær, and Peter M. Outridge. 2019. 'Volcanic Mercury and Mutagenesis in Land Plants during the End-Triassic Mass Extinction'. *Science Advances* 5 (10). <https://doi.org/10.1126/sciadv.aaw4018>.

'London's Volcanic Winter - Current Archaeology'. n.d.

<https://www.archaeology.co.uk/articles/features/londons-volcanic-winter.htm>.

Longo, B.M., A. Rossignol, and J.B. Green. 2008. 'Cardiorespiratory Health Effects Associated with Sulphurous Volcanic Air Pollution'. *Public Health* 122 (8): 809–20.

<https://doi.org/10.1016/j.puhe.2007.09.017>.

Lopes, Rosaly M.C., Karl L. Mitchell, David Williams, and Giuseppe Mitri. n.d. 'Beyond Earth: How Extra-Terrestrial Volcanism Has Changed Our Definition of a Volcano'. In *What Is a Volcano?*, Special paper:11–30. Boulder, Colo: Geological Society of America.

[https://doi.org/10.1130/2010.2470\(02\)](https://doi.org/10.1130/2010.2470(02)).

Lorenz, Stephan. 2012. 'Exploring the Climate Response to the Tambora in 1815 and the 1809 Tropical Eruption'. *Quaternary International* 279–280 (November).

<https://doi.org/10.1016/j.quaint.2012.08.770>.

Louys, Julien. 2014. 'Mammal Community Structure of Sundanese Fossil Assemblages from the Late Pleistocene, and a Discussion on the Ecological Effects of the Toba Eruption'. *Quaternary International* 258.

https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa285620234&context=PC&vid=44WHELFBW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22toba%20eruption%22&offset=0.

M. Damaschke, R. Sulpizio, G. Zanchetta, B. Wagner, N. Nowaczyk, J. Rethemeyer. 2013.

'Tephrostratigraphic Studies on a Sediment Core from Lake Prespa in the Balkans'. *Climate of the Past* 9 (1): 267–267.

<https://go.gale.com/ps/i.do?id=GALE%7CA481436213&v=2.1&u=uniaber&it=r&p=AONE&sw=w>.

Maltman, Chris, Graham Walter, and Vladimir Yurkov. 2016. 'A Diverse Community of Metal(Loid) Oxide Respiring Bacteria Is Associated with Tube Worms in the Vicinity of the Juan de Fuca Ridge Black Smoker Field'. *PLOS ONE* 11 (2).

<https://doi.org/10.1371/journal.pone.0149812>.

Mannella, G., B. Giaccio, G. Zanchetta, E. Regattieri, E.M. Niespolo, A. Pereira, P.R. Renne, et al. 2019. 'Palaeoenvironmental and Palaeohydrological Variability of Mountain Areas in the Central Mediterranean Region: A 190 Ka-Long Chronicle from the Independently Dated Fucino Palaeolake Record (Central Italy)'. *Quaternary Science Reviews* 210 (April): 190–210.

<https://doi.org/10.1016/j.quascirev.2019.02.032>.

Manning, Joseph G., Francis Ludlow, Alexander R. Stine, William R. Boos, Michael Sigl, and Jennifer R. Marlon. 2017a. 'Volcanic Suppression of Nile Summer Flooding Triggers Revolt and Constrains Interstate Conflict in Ancient Egypt'. *Nature Communications* 8 (1).

<https://doi.org/10.1038/s41467-017-00957-y>.

———. 2017b. 'Volcanic Suppression of Nile Summer Flooding Triggers Revolt and Constrains Interstate Conflict in Ancient Egypt'. *Nature Communications* 8 (1).

<https://doi.org/10.1038/s41467-017-00957-y>.

Marshall, Lauren. n.d. 'Multi-Model Comparison of the Volcanic Sulfate Deposition from the

1815 Eruption of Mt. Tambora'. *Atmospheric Chemistry and Physics* 18 (3): 2307–28.
<https://doi.org/https://doi.org/10.5194/acp-18-2307-2018>.

Marti

, Joan, and Gerald Ernst. 2005. *Volcanoes and the Environment*. Cambridge: Cambridge University Press.
<http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9780511331343>.

Mastin, Larry G., Alexa R. Van Eaton, and Jacob B. Lowenstern. 2014. 'Modeling Ash Fall Distribution from a Yellowstone Supereruption'. *Geochemistry, Geophysics, Geosystems* 15 (8): 3459–75. <https://doi.org/10.1002/2014GC005469>.

Mastrolorenzo, G., and L. Pappalardo. 2010. 'Hazard Assessment of Explosive Volcanism at Somma-Vesuvius'. *Journal of Geophysical Research* 115 (B12).
<https://doi.org/10.1029/2009JB006871>.

Mastrolorenzo, Giuseppe, Danilo M. Palladino, Giuseppe Vecchio, and Jacopo Taddeucci. 2002. 'The 472 AD Pollena Eruption of Somma-Vesuvius (Italy) and Its Environmental Impact at the End of the Roman Empire'. *Journal of Volcanology and Geothermal Research* 113 (1–2): 19–36. [https://doi.org/10.1016/S0377-0273\(01\)00248-7](https://doi.org/10.1016/S0377-0273(01)00248-7).

Matthew Toohey. n.d. 'Volcanic Stratospheric Sulfur Injections and Aerosol Optical Depth from 500 BCE to 1900 CE'. *Earth System Science Data* 9 (2): 809–809.
<https://go.gale.com/ps/i.do?&id=GALE|A513556448&v=2.1&u=uniaber&p;it=r&p=AONE&sw=w>.

McConnell, Joseph R., Andrea Burke, Nelia W. Dunbar, Peter Köhler, Jennie L. Thomas, Monica M. Arienzo, Nathan J. Chellman, et al. 2017. 'Synchronous Volcanic Eruptions and Abrupt Climate Change ~17.7 Ka Plausibly Linked by Stratospheric Ozone Depletion'. *Proceedings of the National Academy of Sciences* 114 (38): 10035–40.
<https://doi.org/10.1073/pnas.1705595114>.

McCoy, Floyd, and Grant Heiken. 2000. *Volcanic Hazards and Disasters in Human Antiquity*. Vol. Special paper / Geological Society of America. Boulder, Colo: Geological Society of America.

McGuire, Bill. 2000. *The Archaeology of Geological Catastrophes*. Vol. Geological Society special publication. Bath: Geological Society.

'Medical Papyri Describe the Effects of the Santorinieruption on Human Health, and Date the Eruption to August 1603–March 1601 BC'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S0306987706005573?token=DAEB1FCD9B957C164CCFDE1E2DF78C6E4CCB706CF0CA20256DFBEEA257D11E5BFABC31BF10FD91E9032E5D494AC1EE0A>.

Meehl, Gerald A., Haiyan Teng, Nicola Maher, and Matthew H. England. 2015. 'Effects of the Mount Pinatubo Eruption on Decadal Climate Prediction Skill of Pacific Sea Surface Temperatures'. *Geophysical Research Letters* 42 (24): 10,840–10,846.
<https://doi.org/10.1002/2015GL066608>.

Mellars, Paul. 1999. 'The Neanderthal Problem Continued'. *Current Anthropology* 40 (3): 341–64. <https://doi.org/10.1086/200024>.

———. 2004. 'Neanderthals and the Modern Human Colonization of Europe'. *Nature* 432 (7016): 461–65. <https://doi.org/10.1038/nature03103>.

Michael Petraglia, Ravi Korisettar, Nicole Boivin, Christopher Clarkson, Peter Ditchfield, Sacha Jones, Jinu Koshy, Marta Mirazón Lahr, Clive Oppenheimer, David Pyle, Richard Roberts, Jean-Luc Schwenninger, Lee Arnold and Kevin White. 2007. 'Middle Paleolithic Assemblages from the Indian Subcontinent before and after the Toba Super-Eruption'. *Science* 317 (5834).
https://www.jstor.org/stable/20036656?seq=1#metadata_info_tab_contents.

Michael R. Rampino and Stephen Self. 1995. 'Bottleneck in Human Evolution and the Toba Eruption'. *Science* 262 (5142).
https://www.jstor.org/stable/2882944?Search=yes&resultItemClick=true&searchText=no%3A5142&searchText=AND&searchText=sn%3A00368075&searchText=AND&searchText=sp%3A1955&searchText=AND&searchText=vo%3A262&searchText=AND&searchText=year%3A1993&searchUri=%2Faction%2FdoBasicSearch%3FQuery%3Dno%253A5142%2BAND%2Bsn%253A00368075%2BAND%2Bsp%253A1955%2BAND%2Bvo%253A262%2BAND%2Byear%253A1993%26amp%3Bymod%3DYour%2Binbound%2Blink%2Bdid%2Bnot%2Bhave%2Ban%2Bexact%2Bmatch%2Bin%2Bour%2Bdatabase.%2BBut%2Bbased%2Bon%2Bthe%2Belements%2Bwe%2Bcould%2Bmatch%252C%2Bwe%2Bhave%2Breturned%2Bthe%2Bfollowing%2Bresults.&ab_segments=0%2Fbasic_SYC-4946%2Fcontrol&refreqid=search-gateway%3A6e4dc1201ce6c8f7dab34dd5daf89e9&seq=1#metadata_info_tab_contents.

Michael Staubwasser. 2018. 'Impact of Climate Change on the Transition of Neanderthals to Modern Humans in Europe'. *Proceedings of the National Academy of Sciences* 115 (37): 9116–21. <https://doi.org/10.1073/pnas.1808647115>.

Milia, Alfonsa, Arturo Raspini, and Maurizio M. Torrente. 2007. 'The Dark Nature of Somma-Vesuvius Volcano: Evidence from the ~3.5ka B.P. Avellino Eruption'. *Quaternary International* 173–174 (October): 57–66. <https://doi.org/10.1016/j.quaint.2007.03.001>.

Miller, C. F., and D. A. Wark. 2008. 'SUPERVOLCANOES AND THEIR EXPLOSIVE SUPERERUPTIONS'. *Elements* 4 (1): 11–15. <https://doi.org/10.2113/GSELEMENTS.4.1.11>.

Miller, Gifford H., Áslaug Geirsdóttir, Yafang Zhong, Darren J. Larsen, Bette L. Otto-Bliesner, Marika M. Holland, David A. Bailey, et al. 2012. 'Abrupt Onset of the Little Ice Age Triggered by Volcanism and Sustained by Sea-Ice/Ocean Feedbacks'. *Geophysical Research Letters* 39 (2): n/a-n/a. <https://doi.org/10.1029/2011GL050168>.

'Modeling Cultural Responses to Volcanic Disaster in the Ancient Jama-Coaque Tradition, Coastal Ecuador: A Case Study in Cultural Collapse and Social Resilience | Elsevier Enhanced Reader'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S1040618215008794?token=C280BD04B409C9B696DD4724F4EFBFC8BD31FD9BFFED653A8B81C65448BD2DD0D6031E8C65D26942772EC00E7E72596D>.

Monaghan, J.J., P.J. Bicknell, and R.J. Humble. 1994. 'Volcanoes, Tsunamis and the Demise

of the Minoans'. *Physica D: Nonlinear Phenomena* 77 (1-3): 217-28.
[https://doi.org/10.1016/0167-2789\(94\)90135-X](https://doi.org/10.1016/0167-2789(94)90135-X).

'Monitoring, Forecasting Collapse Events, and Mapping Pyroclastic Deposits at Sinabung Volcano with Satellite Imagery | Elsevier Enhanced Reader'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S0377027318301938?token=9E0D82814455B3D276499E8D54AA49CF5264293F6AD0E3761B96E54DA192B1C6C94BE8698A5DCC02708A72B314FF43DE>.

Muhammad Mubashar Dogar. 2020. 'Ocean Sensitivity to Periodic and Constant Volcanism'. *Scientific Reports* 10 (1): 1-15.
<https://doaj.org/article/905bab3aa68c4f97bbd9c963984ae3f1>.

'Multiple Impacts across the Cretaceous-Tertiary Boundary'. n.d.
http://geoweb.princeton.edu/research/Paleontology/Keller_et_al._ESR_03.pdf.

'Mystery Eruption Traced to Dangerous Italian Volcano : Research Highlights'. n.d.
<https://www.nature.com/articles/d41586-019-01462-6>.

Negi, J.G., P.K. Agrawal, O.P. Pandey, and A.P. Singh. 1993. 'A Possible K-T Boundary Bolide Impact Site Offshore near Bombay and Triggering of Rapid Deccan Volcanism'. *Physics of the Earth and Planetary Interiors* 76 (3-4): 189-97.
[https://doi.org/10.1016/0031-9201\(93\)90011-W](https://doi.org/10.1016/0031-9201(93)90011-W).

Newhall, C., and R. Hoblitt. 2002. 'Constructing Event Trees for Volcanic Crises'. *Bulletin of Volcanology* 64 (1): 3-20. <https://doi.org/10.1007/s004450100173>.

Nicholas J. G. Pearce. n.d. 'Origin of Ash in the Central Indian Ocean Basin and Its Implication for the Volume Estimate of the 74,000 Year BP Youngest Toba Eruption'. *Current Science*, 889-93.
[https://pure.aber.ac.uk/portal/en/publications/origin-of-ash-in-the-central-indian-ocean-basin-and-its-implication-for-the-volume-estimate-of-the-74000-year-bp-youngest-toba-eruption\(9a911aa8-2ae3-4edd-8c2f-bae37585268f\).html](https://pure.aber.ac.uk/portal/en/publications/origin-of-ash-in-the-central-indian-ocean-basin-and-its-implication-for-the-volume-estimate-of-the-74000-year-bp-youngest-toba-eruption(9a911aa8-2ae3-4edd-8c2f-bae37585268f).html).

'Non-Climatic Factors and the Environmental Impact of Volcanic Volatiles: Implications of the Laki Fissure Eruption of AD 1783'. n.d.
https://www.researchgate.net/publication/249868764_Non-climatic_factors_and_the_environmental_impact_of_volcanic_volatiles_Implications_of_the_Laki_fissure_eruption_of_AD_1783.

Olsson, J., S.L.S. Stipp, K.N. Dalby, and S.R. Gislason. 2013. 'Rapid Release of Metal Salts and Nutrients from the 2011 Grímsvötn, Iceland Volcanic Ash'. *Geochimica et Cosmochimica Acta* 123 (December): 134-49. <https://doi.org/10.1016/j.gca.2013.09.009>.

Oman, Luke, Alan Robock, Georgiy L. Stenchikov, and Thorvaldur Thordarson. 2006. 'High-Latitude Eruptions Cast Shadow over the African Monsoon and the Flow of the Nile'. *Geophysical Research Letters* 33 (18): n/a-n/a. <https://doi.org/10.1029/2006GL027665>.

Oppenheimer, Clive. 2002. 'Limited Global Change Due to the Largest Known Quaternary Eruption, Toba [74kyr BP? Quaternary Science Reviews 21 (14-15): 1593-1609.
[https://doi.org/10.1016/S0277-3791\(01\)00154-8](https://doi.org/10.1016/S0277-3791(01)00154-8).

———. 2003. 'Climatic, Environmental and Human Consequences of the Largest Known Historic Eruption: Tambora Volcano (Indonesia) 1815'. *Progress in Physical Geography* 27 (2): 230–59. <https://doi.org/10.1191/0309133303pp379ra>.

———. 2011. *Eruptions That Shook the World*. Cambridge: Cambridge University Press. <http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9781139111751>.

Oppenheimer, Stephen. 2012. 'A Single Southern Exit of Modern Humans from Africa: Before or after Toba?' *Quaternary International* 258 (May): 88–99. <https://doi.org/10.1016/j.quaint.2011.07.049>.

Panagiotakopulu, Eva, Thomas Higham, Anaya Sarpaki, Paul Buckland, and Christos Doumas. 2013. 'Ancient Pests: The Season of the Santorini Minoan Volcanic Eruption and a Date from Insect Chitin'. *Naturwissenschaften* 100 (7): 683–89. <https://doi.org/10.1007/s00114-013-1068-8>.

Paolo Cherubini. n.d. 'The Olive-Branch Dating of the Santorini Eruption'. *Antiquity* 88 (339): 267–74. https://go.gale.com/ps/retrieve.do?tabID=T002&resultListType=RESULT_LIST&searchResultsType=SingleTab&searchType=AdvancedSearchForm¤tPosition=1&docId=GALE%7CA363102251&docType=Report&sort=RELEVANCE&contentSegment=ZONE-MOD1&prodId=AONE&contentSet=GALE%7CA363102251&searchId=R1&userGroupName=uniaber&inPS=true.

Papale, Paolo. 2018. 'Global Time-Size Distribution of Volcanic Eruptions on Earth'. *Scientific Reports* 8 (1). <https://doi.org/10.1038/s41598-018-25286-y>.

Papale, Paolo, and Warner Marzocchi. 2019. 'Volcanic Threats to Global Society'. *Science* 363 (6433): 1275–76.

Papale, Paolo, and John F. Shroder, eds. 2014. *Volcanic Hazards, Risks and Disasters*. Oxford: Elsevier. <http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9780123964762>.

Parnell, John. 2005. 'Plate Tectonics and the Detection of Land-Based Biosignatures on Mars and Extrasolar Planets'. *International Journal of Astrobiology* 4 (3–4): 175–86. <https://doi.org/10.1017/S1473550405002715>.

Paul E. Olsen. n.d. 'Giant Lava Flows, Mass Extinctions, and Mantle Plumes'. *Science* 284 (5414): 604–5. <https://go.gale.com/ps/i.do?&id=GALE|A54552300&v=2.1&u=uniaber&it=r&p=AONE&sw=w>.

Paul Mellars. n.d. 'The Earliest Modern Humans in Europe: The Reanalysis of Findings from Two Archaeological Sites Calls for a Reassessment of When Modern Humans Settled in Europe, and of Neanderthal Cultural Achievements'. *Nature* 479 (7374): 483–86. <https://go.gale.com/ps/i.do?&id=GALE|A274027588&v=2.1&u=uniaber&it=r&p=AONE&sw=w>.

- Paul Mellars and Jennifer C. French. 2011. 'Tenfold Population Increase in Western Europe at the Neandertal—to—Modern Human Transition'. *Science* 333 (6042).
https://www.jstor.org/stable/27978352?seq=1#metadata_info_tab_contents.
- Paul Mellars, Kevin C. Gori, Martin Carr, Pedro A. Soares and Martin B. Richards. 2013. 'Genetic and Archaeological Perspectives on the Initial Modern Human Colonization of Southern Asia'. *Proceedings of the National Academy of Sciences of the United States of America* 110 (26).
https://www.jstor.org/stable/42706546?seq=1#metadata_info_tab_contents.
- Pearson, Charlotte L., Peter W. Brewer, David Brown, Timothy J. Heaton, Gregory W. L. Hodgins, A. J. Timothy Jull, Todd Lange, and Matthew W. Salzer. 2018. 'Annual Radiocarbon Record Indicates 16th Century BCE Date for the Thera Eruption'. *Science Advances* 4 (8).
<https://doi.org/10.1126/sciadv.aar8241>.
- Percival, Lawrence M. E., Micha Ruhl, Stephen P. Hesselbo, Hugh C. Jenkyns, Tamsin A. Mather, and Jessica H. Whiteside. 2017. 'Mercury Evidence for Pulsed Volcanism during the End-Triassic Mass Extinction'. *Proceedings of the National Academy of Sciences* 114 (30): 7929–34. <https://doi.org/10.1073/pnas.1705378114>.
- Percival, L.M.E., M.L.I. Witt, T.A. Mather, M. Hermoso, H.C. Jenkyns, S.P. Hesselbo, A.H. Al-Suwaidi, M.S. Storm, W. Xu, and M. Ruhl. 2015. 'Globally Enhanced Mercury Deposition during the End-Pliensbachian Extinction and Toarcian OAE: A Link to the Karoo–Ferrar Large Igneous Province'. *Earth and Planetary Science Letters* 428 (October): 267–80.
<https://doi.org/10.1016/j.epsl.2015.06.064>.
- Periáñez, R., and J.M. Abril. 2014. 'Modelling Tsunamis in the Eastern Mediterranean Sea. Application to the Minoan Santorini Tsunami Sequence as a Potential Scenario for the Biblical Exodus'. *Journal of Marine Systems* 139 (November): 91–102.
<https://doi.org/10.1016/j.jmarsys.2014.05.016>.
- Petraglia, Michael D. 2014. 'Toba Volcanic Super-Eruption, Environmental Change, and Hominin Occupation History in India over the Last 140,000 Years'. *Quaternary International* 258: 119–34.
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_faoagrisUS201500210312&context=PC&vid=44WHELFABW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22toba%20eruption%22&offset=0.
- Petraglia, Michael D., Peter Ditchfield, Sacha Jones, Ravi Korisettar, and J.N. Pal. 2012. 'The Toba Volcanic Super-Eruption, Environmental Change, and Hominin Occupation History in India over the Last 140,000 Years'. *Quaternary International* 258 (May): 119–34.
<https://doi.org/10.1016/j.quaint.2011.07.042>.
- Pfister, C., G. Schwarz-Zanetti, M. Wegmann, and J. Luterbacher. 1998. 'Winter Air Temperature Variations in Western Europe during the Early and High Middle Ages (AD 750–1300)'. *The Holocene* 8 (5): 535–52. <https://doi.org/10.1191/095968398675289943>.
- Pistolesi, Marco, Raffaello Cioni, Mauro Rosi, and Eduardo Aguilera. 2014a. 'Lahar Hazard Assessment in the Southern Drainage System of Cotopaxi Volcano, Ecuador: Results from Multiscale Lahar Simulations'. *Geomorphology* 207 (February): 51–63.

<https://doi.org/10.1016/j.geomorph.2013.10.026>.

———. 2014b. 'Lahar Hazard Assessment in the Southern Drainage System of Cotopaxi Volcano, Ecuador: Results from Multiscale Lahar Simulations'. *Geomorphology* 207 (February): 51–63. <https://doi.org/10.1016/j.geomorph.2013.10.026>.

Pistolesi, Marco, Raffaello Cioni, Mauro Rosi, Katharine V. Cashman, Andrea Rossotti, and Eduardo Aguilera. 2013. 'Evidence for Lahar-Triggering Mechanisms in Complex Stratigraphic Sequences: The Post-Twelfth Century Eruptive Activity of Cotopaxi Volcano, Ecuador'. *Bulletin of Volcanology* 75 (3). <https://doi.org/10.1007/s00445-013-0698-1>.

'Pollution and Paradigms: Lessons from Icelandic Volcanism for - Pollution and Paradigms1.Pdf'. n.d.
<http://cadair.aber.ac.uk/dspace/bitstream/handle/2160/234/Pollution%20and%20paradigms1.pdf?sequence=1>.

Ponomarenko, A. G. 2016. 'Insects during the Time around the Permian—Triassic Crisis'. *Paleontological Journal* 50 (2): 174–86. <https://doi.org/10.1134/S0031030116020052>.

'Prehistoric Human Responses to Volcanic Tephra Fall Events in the Ust-Kamchatsk Region, Kamchatka Peninsula (Kamchatsky Krai, Russian Federation) during the Middle to Late Holocene (6000-500 Cal BP) | Elsevier Enhanced Reader'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S1040618215007090?token=5BC28A2B2576D0F5B208781B84A8A623845C2F735E442C62405C1B8234FC4D52B49F46FC00933D3242D0C641C1AA99E2>.

'Preliminary Comparison of Ancient Bole Beds and Modern Soils Developed upon the Deccan Volcanic Basalts around Pune (India): Potential for Palaeoenvironmental Reconstruction'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S1040618206001455?token=51068B2B3A216D1053DAF06EDA03B11F9254BA3DB2935BA4E0499B93AA5E346C44F82B2D1D119DBDBB3155E2A46E61D1>.

Pyle, David M., Graham D. Ricketts, Vasiliki Margari, Tjeerd H. van Andel, Andrei A. Sinitsyn, Nicolai D. Praslov, and Sergei Lisitsyn. 2006. 'Wide Dispersal and Deposition of Distal Tephra during the Pleistocene "Campanian Ignimbrite/Y5" Eruption, Italy'. *Quaternary Science Reviews* 25 (21–22): 2713–28.
<https://doi.org/10.1016/j.quascirev.2006.06.008>.

'Quaternary International'. 2012 258.
<https://www.sciencedirect.com/journal/quaternary-international/vol/258>.

Rampino, M. 2002. 'Supereruptions as a Threat to Civilizations on Earth-like Planets'. *Icarus* 156 (2): 562–69. <https://doi.org/10.1006/icar.2001.6808>.

Rampino, M R. 2014. 'Bottleneck in Human Evolution and the Toba Eruption'. *Science* (New York 262 (5142).
https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_medline8266085&context=PC&vid=44WHELFBW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22toba%20eruption%22&offset=0.

Rampino, M R, S Self, and R B Stothers. 1988. 'Volcanic Winters'. *Annual Review of Earth and Planetary Sciences* 16 (1): 73–99.

<https://doi.org/10.1146/annurev.earth.16.050188.000445>.

Rampino, Michael R. 2020. 'Relationship between Impact-Crater Size and Severity of Related Extinction Episodes'. *Earth-Science Reviews* 201 (February).

<https://doi.org/10.1016/j.earscirev.2019.102990>.

Rampino, Michael R., and Stanley H. Ambrose. 2000. 'Volcanic Winter in the Garden of Eden: The Toba Supereruption and the Late Pleistocene Human Population Crash'. In *Special Paper 345: Volcanic Hazards and Disasters in Human Antiquity*, 345:71–82.

Geological Society of America. <https://doi.org/10.1130/0-8137-2345-0.71>.

Rampino, Michael R., and Ken Caldeira. 2018. 'Comparison of the Ages of Large-Body Impacts, Flood-Basalt Eruptions, Ocean-Anoxic Events and Extinctions over the Last 260 Million Years: A Statistical Study'. *International Journal of Earth Sciences* 107 (2): 601–6.

<https://doi.org/10.1007/s00531-017-1513-6>.

'Recent Structural Evolution of the Cumbre Vieja Volcano, La Palma, Canary Islands: Volcanic Rift Zone Reconfiguration as a Precursor to Volcano Flank Instability'. n.d.

<http://www.geo.arizona.edu/~andyf/LaPalma/Rift%20Zone.pdf>.

'Reconciling Multiple Ice-Core Volcanic Histories: The Potential of Tree-Ring and Documentary Evidence, 670-730 CE | Elsevier Enhanced Reader'. n.d.

<https://reader.elsevier.com/reader/sd/pii/S1040618215013464?token=C6435D598538AB261293887A9839D0F615EA3E661366B9746077BA40CE4E82A1CAE480BA177CF0EA3DA60D027BDE68F2>.

Reigstad, Laila Johanne, Steffen Leth Jorgensen, Stein-Erik Lauritzen, Christa Schleper, and Tim Urich. 2011. 'Sulfur-Oxidizing Chemolithotrophic Proteobacteria Dominate the Microbiota in High Arctic Thermal Springs on Svalbard'. *Astrobiology* 11 (7): 665–78.

<https://doi.org/10.1089/ast.2010.0551>.

Richard Stone. 2014. 'BACK FROM THE DEAD: The Once-Moribund Idea That Volcanism Helped Kill off the Dinosaurs Gains New Credibility'. *Science* 346 (6215).

https://www.jstor.org/stable/24745481?Search=yes&resultItemClick=true&searchUri=%2Ftopic%2Fmass-extinction-events%2F%3FsearchType%3DfacetSearch%26amp%3Bsd%3D%26amp%3Bed%3D%26amp%3Brefreqid%3Dexcelsior%253A4c7a3104ad8fb89411b0d3db9f073dbe%26amp%3Bpagemark%3DcGFnZU1hcms9Mw%253D%253D%26amp%3Btopic%3Dmass-extinction-events%26amp%3Ballow_empty_query%3DTrue&ab_segments=0%2Fbasic_SYC-5055%2Fcontrol&seq=1#metadata_info_tab_contents.

Riede, Felix. 2014. 'Towards a Science of Past Disasters'. *Natural Hazards* 71 (1): 335–62.

<https://doi.org/10.1007/s11069-013-0913-6>.

———. 2019. 'Doing Palaeo-Social Volcanology: Developing a Framework for Systematically Investigating the Impacts of Past Volcanic Eruptions on Human Societies Using Archaeological Datasets'. *Quaternary International* 499 (January): 266–77.

<https://doi.org/10.1016/j.quaint.2018.01.027>.

- Roberts, R. G., M. Storey, and M. Haslam. 2013. 'Toba Supereruption: Age and Impact on East African Ecosystems'. *Proceedings of the National Academy of Sciences* 110 (33): E3047–E3047. <https://doi.org/10.1073/pnas.1308550110>.
- Robock, Alan. 2000. 'Volcanic Eruptions and Climate'. *Reviews of Geophysics* 38 (2): 191–219. <https://doi.org/10.1029/1998RG000054>.
- . 2004. 'Climatic Impact of Volcanic Emissions'. In *The State of the Planet: Frontiers and Challenges in Geophysics*, 125–34. [Place of publication not identified]: American Geophysical Union. <https://doi.org/10.1029/150GM11>.
- Robock, Alan, Caspar M. Ammann, Luke Oman, Drew Shindell, Samuel Levis, and Georgiy Stenchikov. 2009. 'Did the Toba Volcanic Eruption of ~74 Ka B.P. Produce Widespread Glaciation?' *Journal of Geophysical Research* 114 (D10). <https://doi.org/10.1029/2008JD011652>.
- Rosi, Mauro, and Jay Hyams. 2003. *Volcanoes. Vol. A Firefly guide*. Toronto: Firefly Books.
- Rössler, Ole, and Stefan Brönnimann. 2018. 'The Effect of the Tambora Eruption on Swiss Flood Generation in 1816/1817'. *Science of The Total Environment* 627 (June): 1218–27. <https://doi.org/10.1016/j.scitotenv.2018.01.254>.
- Rothery, David A. 2010. *Volcanoes, Earthquakes and Tsunamis*. [New] ed. London: Teach Yourself. <http://www.vlebooks.com/vleweb/product/openreader?id=AberystUni&isbn=9781444127416>.
- Ryan C. Bay, Nathan Bramall and P. Buford Price. 2004. 'Bipolar Correlation of Volcanism with Millennial Climate Change'. *Proceedings of the National Academy of Sciences of the United States of America* 101 (17). https://www.jstor.org/stable/3372084?seq=1#metadata_info_tab_contents.
- Sadler, J.P., and J.P. Grattan. 1999. 'Volcanoes as Agents of Past Environmental Change'. *Global and Planetary Change* 21 (1–3): 181–96. [https://doi.org/10.1016/S0921-8181\(99\)00014-4](https://doi.org/10.1016/S0921-8181(99)00014-4).
- Sandri, Laura, Jean-Claude Thouret, Robert Constantinescu, Sébastien Biass, and Roberto Tonini. 2014. 'Long-Term Multi-Hazard Assessment for El Misti Volcano (Peru)'. *Bulletin of Volcanology* 76 (2). <https://doi.org/10.1007/s00445-013-0771-9>.
- Saunders, A. D. 2005. 'Large Igneous Provinces: Origin and Environmental Consequences'. *Elements* 1 (5): 259–63. <https://doi.org/10.2113/gselements.1.5.259>.
- Scarth, Alwyn. 1994. *Volcanoes: An Introduction*. London: U C L Press.
- . 1999. *Vulcan's Fury: Man against the Volcano*. New Haven: Yale University Press.
- Schulte, P., L. Alegret, I. Arenillas, J. A. Arz, P. J. Barton, P. R. Bown, T. J. Bralower, et al. 2010. 'The Chicxulub Asteroid Impact and Mass Extinction at the Cretaceous-Paleogene Boundary'. *Science* 327 (5970): 1214–18. <https://doi.org/10.1126/science.1177265>.
- Senatore, Maria Rosaria, Annamaria Ciarallo, and Jean-Daniel Stanley. 2014. 'Pompeii

Damaged by Volcaniclastic Debris Flows Triggered Centuries Prior to the 79 A.D. Vesuvius Eruption'. *Geoarchaeology* 29 (1): 1–15. <https://doi.org/10.1002/gea.21458>.

Shaw, Rajib, Juan M. Pulhin, and Joy Jacqueline Pereira. 2010. *Climate Change Adaptation and Disaster Risk Reduction: An Asian Perspective*, Vol. 5. 1st ed. Vol. v. 5. Bradford, U.K.: Emerald Group Pub. Ltd.
http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=4047952180002418&institutionId=2418&customerId=2415.

Sigl, M., M. Winstrup, J. R. McConnell, K. C. Welten, G. Plunkett, F. Ludlow, U. Büntgen, et al. 2015. 'Timing and Climate Forcing of Volcanic Eruptions for the Past 2,500 Years'. *Nature* 523 (7562): 543–49. <https://doi.org/10.1038/nature14565>.

Sigurdsson, Haraldur. 2000. *Encyclopedia of Volcanoes*. San Diego: Academic Press.

'Sinabung Volcano: How Culture Shapes Community Resilience'. n.d.
<https://doi.org/10.1108/DPM-05-2018-0160/full/pdf?title=sinabung-volcano-how-culture-shapes-community-resilience>.

'Six Medical Papyri Describe the Effect of Santorini's Volcanic Ash'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S0306987706000491?token=13233F3D8053237EAA0B5D4307D4EF02C39F56EAC3CF666212510A196E0D3ED2628EFCCD16403A858298DD537A22B50>.

Smith, Eugene I. 2018. 'Humans Thrived in South Africa through the Toba Eruption about 74,000 Years Ago.' <https://doi.org/10.17863/CAM.23506>.

Smith, Eugene I., Zenobia Jacobs, Racheal Johnsen, Minghua Ren, Erich C. Fisher, Simen Oestmo, Jayne Wilkins, et al. 2018. 'Humans Thrived in South Africa through the Toba Eruption about 74,000 Years Ago'. *Nature* 555 (7697): 511–15.
<https://doi.org/10.1038/nature25967>.

Sobolev, Stephan V., Alexander V. Sobolev, Dmitry V. Kuzmin, Nadezhda A. Krivolutskaya, Alexey G. Petrunin, Nicholas T. Arndt, Viktor A. Radko, and Yuri R. Vasiliev. 2011a. 'Linking Mantle Plumes, Large Igneous Provinces and Environmental Catastrophes'. *Nature* 477 (7364): 312–16. <https://doi.org/10.1038/nature10385>.

———. 2011b. 'Linking Mantle Plumes, Large Igneous Provinces and Environmental Catastrophes'. *Nature* 477 (7364): 312–16. <https://doi.org/10.1038/nature10385>.

'Social Resilience and Long-Term Adaptation to Volcanic Disasters: The Archaeology of Continuity and Innovation in the Willaumez Peninsula, Papua New Guinea | Elsevier Enhanced Reader'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S1040618214002535?token=BAEB0FFE44FA5EFE4CB35DA787B0AB116092B6A013138A4AF71E913F0DDC8C2D1065BD17188411ABC2C390212810942E>.

'Social Responses to Volcanic Eruptions: A Review of Key Concepts | Elsevier Enhanced Reader'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S1040618217315045?token=D8AE8C3A6359753>

D6D0FE577386A061826A84D07B8E6C82C0D1C416542362EBE8BEDAA531DDEE60B0A707677761F2FF5.

Solikhin, Akhmad, Jean-Claude Thouret, Soo Chin Liew, Avijit Gupta, Dewi Sri Sayudi, Jean-François Oehler, and Zeineb Kassouk. 2015. 'High-Spatial-Resolution Imagery Helps Map Deposits of the Large (VEI 4) 2010 Merapi Volcano Eruption and Their Impact'. *Bulletin of Volcanology* 77 (3). <https://doi.org/10.1007/s00445-015-0908-0>.

Sonnek, Karin Mossberg, Tomas Mårtensson, Ester Veibäck, Peter Tunved, Håkan Grahn, Pontus von Schoenberg, Niklas Brännström, and Anders Bucht. 2017. 'The Impacts of a Laki-like Eruption on the Present Swedish Society'. *Natural Hazards* 88 (3): 1565–90. <https://doi.org/10.1007/s11069-017-2933-0>.

Sparks, R. S. J., and W. P. Aspinall. 2004. 'Volcanic Activity: Frontiers and Challenges in Forecasting, Prediction and Risk Assessment'. In *The State of the Planet: Frontiers and Challenges in Geophysics*, Geophysical monograph:359–73. Washington, DC: American Geophysical Union. <https://doi.org/10.1029/150GM28>.

'Speleothems as Sensitive Recorders of Volcanic Eruptions – the Bronze Age Minoan Eruption Recorded in a Stalagmite from Turkey | Elsevier Enhanced Reader'. n.d. <https://reader.elsevier.com/reader/sd/pii/S0012821X14000570?token=2ABFE04AD3F8AB8DC1684D2DA9B5701D6D87666872A5151EB04D3C6DD789F7DAD3721FDAED98C0B86CC361E9E92334D>.

Steven M. Holland. 2016. 'Ecological Disruption Precedes Mass Extinction'. *Proceedings of the National Academy of Sciences of the United States of America* 113 (30). https://www.jstor.org/stable/26470935?Search=yes&resultItemClick=true&searchUri=%2Ftopic%2Fmass-extinction-events%2F%3Frefreqid%3Dexcelsior%253A4c7a3104ad8fb89411b0d3db9f073dbe&ab_segments=0%2Fbasic_SYC-5055%2Fcontrol&seq=1#metadata_info_tab_contents.

Stone, Richard. 2010. 'Iceland's Doomsday Scenario? The More Researchers Learn about the Unheralded Laki Eruption of 1783, the More They See a Need to Prepare for a Reprise That Could Include Fluoride Poisoning and Widespread Air Pollution.(News Focus)'. *Science* 306 (5700). https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa126164075&context=PC&vid=44WHELFBW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,%22laki%20eruption%22&offset=0.

Stothers, Richard B. 2012. 'The Great Tambora Eruption in 1815 and Its Aftermath'. *Science* 224. https://whel-primo.hosted.exlibrisgroup.com/primo-explore/fulldisplay?docid=TN_gale_ofa3309276&context=PC&vid=44WHELFBW_VU1&lang=en_US&search_scope=Blended&adaptor=primo_central_multiple_fe&tab=blended&query=any,contains,tambora&offset=0.

'Stratospheric Ozone Destruction by the Bronze-Age Minoan Eruption (Santorini Volcano, Greece) - Srep12243.Pdf'. n.d. <https://www.nature.com/articles/srep12243.pdf>.

Strom, Robert G., Gerald G. Schaber, and Douglas D. Dawson. 1994. 'The Global

Resurfacing of Venus'. *Journal of Geophysical Research* 99 (E5).
<https://doi.org/10.1029/94JE00388>.

Sturt W. Manning. n.d. 'Dating the Thera (Santorini) Eruption: Archaeological and Scientific Evidence Supporting a High Chronology'. *Antiquity* 88 (342): 1164–80.
<https://go.gale.com/ps/i.do?&id=GALE|A398627713&v=2.1&u=uniaber&p;it=r&p=AONE&sw=w>.

Summeren, Joost van, Clinton P. Conrad, and Eric Gaidos. 2011. 'MANTLE CONVECTION, PLATE TECTONICS, AND VOLCANISM ON HOT EXO-EARTHS'. *The Astrophysical Journal* 736 (1). <https://doi.org/10.1088/2041-8205/736/1/L15>.

Sun, Chunqing, Gill Plunkett, Jiaqi Liu, Hongli Zhao, Michael Sigl, Joseph R. McConnell, Jonathan R. Pilcher, Bo Vinther, J. P. Steffensen, and Valerie Hall. 2014. 'Ash from Changbaishan Millennium Eruption Recorded in Greenland Ice: Implications for Determining the Eruption's Timing and Impact'. *Geophysical Research Letters* 41 (2): 694–701. <https://doi.org/10.1002/2013GL058642>.

Takehiro, Hayashi. 2016. 'School-Community Collaboration in Disaster Education in a Primary School near Merapi Volcano in Java Island'. In *AIP Conference Proceedings*. Author(s). <https://doi.org/10.1063/1.4947418>.

Tandon, S.K. 2002. 'Records of the Influence of Deccan Volcanism on Contemporary Sedimentary Environments in Central India'. *Sedimentary Geology* 147 (1–2): 177–92. [https://doi.org/10.1016/S0037-0738\(01\)00196-8](https://doi.org/10.1016/S0037-0738(01)00196-8).

Tang, Qi, Peter G. Hess, Benjamin Brown-Steiner, and Douglas E. Kinnison. 2013. 'Tropospheric Ozone Decrease Due to the Mount Pinatubo Eruption: Reduced Stratospheric Influx'. *Geophysical Research Letters* 40 (20): 5553–58. <https://doi.org/10.1002/2013GL056563>.

'Tephra in Caves_ Distal Deposits of the Minoan Santorini Eruption and the Campanian Super-Eruption | Elsevier Enhanced Reader'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S104061821830483X?token=FF97A2D0F179AEA3E8E8909A3A8E38803125C16540DAB9417F1FA46681CADA03AD31278979F2E0840ADF2C84BD7788E0>.

'———'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S104061821830483X?token=FF97A2D0F179AEA3E8E8909A3A8E38803125C16540DAB9417F1FA46681CADA03AD31278979F2E0840ADF2C84BD7788E0>.

'Terrestrial Volcanism in Space and Time - Annual Review of Earth and Planetary Sciences, 21(1):427'. n.d.
<http://www.annualreviews.org/doi/abs/10.1146/annurev.ea.21.050193.002235>.

'The ~73 Ka Toba Super-Eruption and Its Impact: History of a Debate | Elsevier Enhanced Reader'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S104061821100485X?token=8BF1083F8D14FAB06C16D7C57DD08CEFAA3F7D958B6428004B30024D0B707C5E11140A670864D0A693B6714D582E784E>.

'The Campanian Ignimbrite (Y5) Tephra at Crvena Stijena Rockshelter, Montenegro | Elsevier Enhanced Reader'. n.d.

<https://reader.elsevier.com/reader/sd/pii/S0033589411000251?token=4E4EEC6191F39F42814BC42AAD9CF316D15FA910CEF7A1DE70CB8B236CE4BA69D520AD582BFAB2D648944AE366D7D6DD>.

'The Drought and Locust Plague of 942-944 AD in the Yellow River Basin, China | Elsevier Enhanced Reader'. n.d.

<https://reader.elsevier.com/reader/sd/pii/S1040618214009215?token=95E82F06BE891AA37145B67D4A9B21F07267BC7E62AE025444E60286F4D9BB0BC9C7ED2CE641808B3AA00F62292967D1>.

'The Economics of Natural Disasters - Cesifo-Forum-V11-Y2010-I2-P014-024.Pdf'. n.d.

<https://www.econstor.eu/bitstream/10419/166388/1/cesifo-forum-v11-y2010-i2-p014-024.pdf>.

'The Effects of the Avellino Pumice Eruption on the Population of the Early Bronze Age Campanian Plain (Southern Italy) | Elsevier Enhanced Reader'. n.d.

<https://reader.elsevier.com/reader/sd/pii/S1040618218301228?token=79D7A12B29C1F81D9D3A0F58F90748B005D19DBD1698C5B59903C6A4FA58AAF79F27FA7FF61D9E3F4E5D31ACD812EFE4>.

'The Timing and Spatiotemporal Patterning of Neanderthal Disappearance'. n.d. *Nature* 512 (7514): 306–10.

<https://go.gale.com/ps/i.do?p=AONE&u=uniaber&id=GALE|A379640969&v=2.1&it=r>.

Thordarson, Thorvaldur. 2003. 'Atmospheric and Environmental Effects of the 1783–1784 Laki Eruption: A Review and Reassessment'. *Journal of Geophysical Research* 108 (D1). <https://doi.org/10.1029/2001JD002042>.

Thouret, J.-C., F. Lavigne, K. Kelfoun, and S. Bronto. 2000. 'Toward a Revised Hazard Assessment at Merapi Volcano, Central Java'. *Journal of Volcanology and Geothermal Research* 100 (1–4): 479–502. [https://doi.org/10.1016/S0377-0273\(00\)00152-9](https://doi.org/10.1016/S0377-0273(00)00152-9).

Tilling, Robert I., and Peter W. Lipman. 1993. 'Lessons in Reducing Volcano Risk'. *Nature* 364 (6435): 277–80. <https://doi.org/10.1038/364277a0>.

Tim Appenzeller. n.d. 'Eastern Odyssey: Humans Had Spread across Asia by 50,000 Years Ago. Everything Else about Our Original Exodus from Africa Is up for Debate'. *Nature* 484 (7396): 24–27.

https://go.gale.com/ps/retrieve.do?tabID=T002&resultListType=RESULT_LIST&searchResultsType=SingleTab&searchType=AdvancedSearchForm¤tPosition=2&docId=GALE%7CA289432159&docType=Article&sort=Relevance&contentSegment=ZONE-MOD1&prodId=AONE&contentSet=GALE%7CA289432159&searchId=R5&userGroupName=uniaber&inPS=true.

Timmreck, C. 2012. 'Modeling the Climatic Effects of Large Explosive Volcanic Eruptions'. *Wiley Interdisciplinary Reviews: Climate Change* 3 (6): 545–64.

<https://doi.org/10.1002/wcc.192>.

Timmreck, Claudia, Hans-F. Graf, Davide Zanchettin, Stefan Hagemann, Thomas Kleinen, and Kirstin Krüger. 2012. 'Climate Response to the Toba Super-Eruption: Regional Changes'. *Quaternary International* 258 (May): 30–44. <https://doi.org/10.1016/j.quaint.2011.10.008>.

Tom Simkin, Lee Siebert and Russell Blong. 2001. 'Volcano Fatalities: Lessons from the Historical Record'. *Science* 291 (5502). https://www.jstor.org/stable/3082329?seq=1#metadata_info_tab_contents.

Toohey, Matthew, Kirstin Krüger, Michael Sigl, Frode Stordal, and Henrik Svensen. 2016. 'Climatic and Societal Impacts of a Volcanic Double Event at the Dawn of the Middle Ages'. *Climatic Change* 136 (3–4): 401–12. <https://doi.org/10.1007/s10584-016-1648-7>.

Torrence, Robin. 2019. 'Social Responses to Volcanic Eruptions: A Review of Key Concepts'. *Quaternary International* 499 (January): 258–65. <https://doi.org/10.1016/j.quaint.2018.02.033>.

Torrence, Robin, and John Grattan. 2002a. *Natural Disasters and Cultural Change*. Vol. One world archaeology. London: Routledge. http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037246860002418&institutionId=2418&customerId=2415.

———. 2002b. *Natural Disasters and Cultural Change*. Vol. One world archaeology. London: Routledge. http://eu.alma.exlibrisgroup.com/view/action/uresolver.do?operation=resolveService&package_service_id=3037231330002418&institutionId=2418&customerId=2415.

Trevisanato, Siro Igino. 2006a. 'Treatments for Burns in the London Medical Papyrus Show the First Seven Biblical Plagues of Egypt Are Coherent with Santorini's Volcanic Fallout'. *Medical Hypotheses* 66 (1): 193–96. <https://doi.org/10.1016/j.mehy.2005.08.052>.

———. 2006b. 'Treatments for Burns in the London Medical Papyrus Show the First Seven Biblical Plagues of Egypt Are Coherent with Santorini's Volcanic Fallout'. *Medical Hypotheses* 66 (1): 193–96. <https://doi.org/10.1016/j.mehy.2005.08.052>.

Trigo, Ricardo M., J. M. Vaquero, and R. B. Stothers. 2010. 'Witnessing the Impact of the 1783–1784 Laki Eruption in the Southern Hemisphere'. *Climatic Change* 99 (3–4): 535–46. <https://doi.org/10.1007/s10584-009-9676-1>.

'Understanding the Environmental Impacts of Large Fissure Eruptions: Aerosol and Gas Emissions from the 2014–2015 Holuhraun Eruption (Iceland) - 1-S2.0-S0012821X17302911-Main.Pdf'. n.d. <https://discovery.ucl.ac.uk/id/eprint/10074536/1/1-s2.0-S0012821X17302911-main.pdf>.

Vakulenko, N. V., and D. M. Sonechkin. 2017. 'Analysis of Early Instrumental Air Temperature Observations before and after the Tambora Volcano Eruption'. *Russian Meteorology and Hydrology* 42 (10): 677–84. <https://doi.org/10.3103/S1068373917100089>.

VAN DE SCHOOTBRUGGE, BAS, and PAUL B. WIGNALL. 2016. 'A Tale of Two Extinctions: Converging End-Permian and End-Triassic Scenarios'. *Geological Magazine* 153 (2):

332–54. <https://doi.org/10.1017/S0016756815000643>.

Veale, Lucy, and Georgina H Endfield. 2016. 'Situating 1816, the "Year without Summer", in the UK'. *The Geographical Journal* 182 (4): 318–30. <https://doi.org/10.1111/geoj.12191>.
Vidal, Céline M., Nicole Métrich, Jean-Christophe Komorowski, Indyo Pratomo, Agnès Michel, Nugraha Kartadinata, Vincent Robert, and Franck Lavigne. 2016. 'The 1257 Samalas Eruption (Lombok, Indonesia): The Single Greatest Stratospheric Gas Release of the Common Era'. *Scientific Reports* 6 (1). <https://doi.org/10.1038/srep34868>.

Villa, Paola, Luca Pollarolo, Jacopo Conforti, Fabrizio Marra, Cristian Biagioni, Ilaria Degano, Jeannette J. Lucejko, et al. 2018. 'From Neandertals to Modern Humans: New Data on the Uluzzian'. *PLOS ONE* 13 (5). <https://doi.org/10.1371/journal.pone.0196786>.

'Volcanic Activity and Human Society | Elsevier Enhanced Reader'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S1040618215008782?token=4BFF11422C65A4796BA4C9B85C94A0B7DE2CE3EC2872FBD9AED51E61C6AE30A06AEF7CA8BF529763A550F5028E303F01>.

'Volcanic Disasters and Agricultural Intensification: A Case Study from the Willaumez Peninsula, Papua New Guinea | Elsevier Enhanced Reader'. n.d.
<https://reader.elsevier.com/reader/sd/pii/S104061821100187X?token=957DD20CC0E7AB3C83F5CEA197075F2CFA510A05C918DD7CD29D1BC710AD7142C406CBEA0ED0B6CED53163B817079955>.

'Volcanism and Tectonics on Venus'. n.d.
<http://www.es.ucsc.edu/~fnimmo/website/paper5.pdf>.

Wacey, David, Martin Saunders, John Cliff, Matt R. Kilburn, Charlie Kong, Mark E. Barley, and Martin D. Brasier. 2014. 'Geochemistry and Nano-Structure of a Putative ~3240 Million-Year-Old Black Smoker Biota, Sulphur Springs Group, Western Australia'. *Precambrian Research* 249 (August): 1–12.
<https://doi.org/10.1016/j.precamres.2014.04.016>.

Wagner, B., M. J. Leng, T. Wilke, A. Böhm, K. Panagiotopoulos, H. Vogel, J. Lacey, G. Zanchetta, and R. Sulpizio. 2013a. 'Potential Impact of the 74 Ka Toba Eruption on the Balkan Region, SE Europe'. *Climate of the Past Discussions* 9 (3): 3307–19.
<https://doi.org/10.5194/cpd-9-3307-2013>.

———. 2013b. 'Potential Impact of the 74 Ka Toba Eruption on the Balkan Region, SE Europe'. *Climate of the Past Discussions* 9 (3): 3307–19.
<https://doi.org/10.5194/cpd-9-3307-2013>.

Walker, George P.L., Stephen Self, and Lionel Wilson. 1984. 'Tarawera 1886, New Zealand — A Basaltic Plinian Fissure Eruption'. *Journal of Volcanology and Geothermal Research* 21 (1–2): 61–78. [https://doi.org/10.1016/0377-0273\(84\)90016-7](https://doi.org/10.1016/0377-0273(84)90016-7).

Wignall, P. 2005. 'The Link between Large Igneous Province Eruptions and Mass Extinctions'. *Elements* 1 (5): 293–97. <https://doi.org/10.2113/gselements.1.5.293>.

Wignall, P.B. 2001. 'Large Igneous Provinces and Mass Extinctions'. *Earth-Science Reviews* 53 (1–2): 1–33. [https://doi.org/10.1016/S0012-8252\(00\)00037-4](https://doi.org/10.1016/S0012-8252(00)00037-4).

Williams, Martin A.J., Stanley H. Ambrose, Sander van der Kaars, Carsten Ruehlemann, Umesh Chattopadhyaya, Jagannath Pal, and Parth R. Chauhan. 2009. 'Environmental Impact of the 73ka Toba Super-Eruption in South Asia'. *Palaeogeography, Palaeoclimatology, Palaeoecology* 284 (3-4): 295-314.
<https://doi.org/10.1016/j.palaeo.2009.10.009>.

Williams, Martin A.J., Stanley H. Ambrose, Sander van der Kaars, Carsten Ruehlemann, Umesh Chattopadhyaya, Jagannath Pal, and Parth R. Chauhan. 2010. 'Reply to the Comment on "Environmental Impact of the 73ka Toba Super-Eruption in South Asia" by M. A. J. Williams, S. H. Ambrose, S. van Der Kaars, C. Ruehlemann, U. Chattopadhyaya, J. Pal, P. R. Chauhan [Palaeogeography, Palaeoclimatology, Palaeoecology 284 (2009) 295-314]'. *Palaeogeography, Palaeoclimatology, Palaeoecology* 296 (1-2): 204-11.
<https://doi.org/10.1016/j.palaeo.2010.05.043>.

Wilson, Robert M. 1999. 'Variation of Surface Air Temperatures in Relation to El Niño and Cataclysmic Volcanic Eruptions, 1796-1882'. *Journal of Atmospheric and Solar-Terrestrial Physics* 61 (17): 1307-19. [https://doi.org/10.1016/S1364-6826\(99\)00055-3](https://doi.org/10.1016/S1364-6826(99)00055-3).

Winchester, Simon. 2004. *Krakatoa: The Day the World Exploded, 27 August 1883*. London: Penguin Books.

Witham, C. S., and C. Oppenheimer. 2004. 'Mortality in England during the 1783-4 Laki Craters Eruption'. *Bulletin of Volcanology* 67 (1): 15-26.
<https://doi.org/10.1007/s00445-004-0357-7>.

Witham, C.S. 2005. 'Volcanic Disasters and Incidents: A New Database'. *Journal of Volcanology and Geothermal Research* 148 (3-4): 191-233.
<https://doi.org/10.1016/j.jvolgeores.2005.04.017>.

Woo, Judith Y. L., and Christopher R. J. Kilburn. 2010. 'Intrusion and Deformation at Campi Flegrei, Southern Italy: Sills, Dikes, and Regional Extension'. *Journal of Geophysical Research* 115 (B12). <https://doi.org/10.1029/2009JB006913>.

Yadong Sun, Michael M. Joachimski, Paul B. Wignall, Chunbo Yan, Yanlong Chen, Haishui Jiang, Lina Wang and Xulong Lai. 2012. 'Lethally Hot Temperatures During the Early Triassic Greenhouse'. *Science* 338 (6105).
https://www.jstor.org/stable/41704126?seq=1#metadata_info_tab_contents.

Yalcin, Kaplan, Cameron P. Wake, Karl J. Kreutz, Mark S. Germani, and Sallie I. Whitlow. 2006. 'Ice Core Evidence for a Second Volcanic Eruption around 1809 in the Northern Hemisphere'. *Geophysical Research Letters* 33 (14).
<https://doi.org/10.1029/2006GL026013>.

YANG, ZHONGKANG, NANYE LONG, YUHONG WANG, XIN ZHOU, YI LIU, and LIGUANG SUN. 2017. 'A Great Volcanic Eruption around AD 1300 Recorded in Lacustrine Sediment from Dongdao Island, South China Sea'. *Journal of Earth System Science* 126 (1).
<https://doi.org/10.1007/s12040-016-0790-y>.

Zambri, Brian, Alan Robock, Michael J. Mills, and Anja Schmidt. 2019a. 'Modeling the 1783-1784 Laki Eruption in Iceland: 1. Aerosol Evolution and Global Stratospheric Circulation Impacts'. *Journal of Geophysical Research: Atmospheres*, July.

<https://doi.org/10.1029/2018JD029553>.

———. 2019b. 'Modeling the 1783–1784 Laki Eruption in Iceland: 2. Climate Impacts'. *Journal of Geophysical Research: Atmospheres*, July.
<https://doi.org/10.1029/2018JD029554>.

Zanchetta, Giovanni, Monica Bini, Mauro A. Di Vito, Roberto Sulpizio, and Laura Sadori. 2019. 'Tephrostratigraphy of Paleoclimatic Archives in Central Mediterranean during the Bronze Age'. *Quaternary International* 499 (January): 186–94.
<https://doi.org/10.1016/j.quaint.2018.06.012>.