Scientific Podcast – Annotated Bibliography

Blake, S. A. P., Lewis, S. C., LeGrande, A. N., & Miller, R. L. (2018). Assessing the impact of

large volcanic eruptions of the last millennium (850-1850 CE) on Australian rainfall regimes. *Climate of the Past*, *14*(6), 811. Retrieved from <https://link-gale-com.libproxy.lib.unc.edu/apps/doc/A582576136/SCIC?u=unc_main&sid=SCIC&xid=5c35fcc0>

Annotation: This article – similar to the following articles – discusses how volcanoes erupt, but it also includes the impacts of volcanic eruptions on the environment as a whole. It talks about previous volcanic eruptions and their impacts on the environment, while also talking about if there were to be another one what its impact would be. I can use this article in my podcast to further prove my stance on whether or not another volcanic eruption can occur in the near future due to the change in climate in our world. I can also explain a volcano’s impact on the environment using information from this article.

Emetere, M.E. Volcanic eruption trends in the five-years pre-eruption era. *J. Volcanolog.*

*Seismol.* **8,**411–417 (2014). <https://doi-org.libproxy.lib.unc.edu/10.1134/S0742046314060086>

Annotation: This article published in 2015 discusses the prediction of volcanic eruptions by using evidence and data that the expert has collected. The article also includes visuals and models in order to properly convey its prediction to the reader. I can use this article in my podcast in order to prove that a volcanic eruption can occur in the near future due to the climate change in our world recently. Since this article is only five years old, it is fairly new and the concepts are still relevant.

Malavelle, F., Haywood, J., Jones, A. *et al.* Strong constraints on aerosol–cloud interactions from

volcanic eruptions. *Nature* **546,**485–491 (2017). <https://doi-org.libproxy.lib.unc.edu/10.1038/nature22974>

Annotation: This scholarly journal written by Malavelle and Haywood discusses the effects volcanic eruptions have on the environment. It also gives more background information on how volcanoes erupt, while also including visuals to help better convey the message. I can use this article to explain how it is possible that there could be another major volcanic eruption in the near future.

Nomade, S., Genty, D., Sasco, R., Scao, V., Féruglio, V., Baffier, D., . . . Jean-Michel Geneste.

(2016). A 36,000-year-old volcanic eruption depicted in the chauvet-pont d’Arc cave (ardèche, france)?*PLoS One, 11*(1) doi: <http://dx.doi.org.libproxy.lib.unc.edu/10.1371/journal.pone.0146621>

Annotation: This article goes into depth about how a 36, 000-year-old volcano erupted. This article can help me to prove that there can be a volcanic eruption in the near future, regardless of how old it is. Since it talks about how it erupted, I will be able to use this information as evidence to explain how volcanoes can erupt at any given moment and that this is a pressing issue that should be dealt with.

Prata, F., Woodhouse, M., Huppert, H. E., Prata, A., Thordarson, T., & Carn, S. (2017).

Atmospheric processes affecting the separation of volcanic ash and SO2 in volcanic eruptions: Inferences from the May 2011 GrÃ­msvÃ¶tn eruption.*Atmospheric Chemistry and Physics, 17*(17), 10709-10732. doi: <http://dx.doi.org.libproxy.lib.unc.edu/10.5194/acp-17-10709-2017>

Annotation: This article written by Prata, Woodhouse, Huppert, Thordarson, and Carn explains how volcanoes erupt and what goes on prior to those eruptions. It will give great background information about volcanoes, as it includes the different scientific components and how those react with each other in order to create eruptions. Since I don’t know a whole lot about volcanoes, I can use this article for background information when introducing my topic in my podcast. Even though I may not use direct information or quotes from this text, it will give me a better understanding of my topic.