

Publications for Armstrong Osborne

2017

Osborne, R. (2017). Hypogene caves of the Tasmanic karsts of eastern mainland Australia. In A. Klimchouk, A. N. Palmer, J. D. Waele, A. S. Auler & P. Audra (Eds.), *Hypogene karst regions and caves of the world*, (pp. 893-911). Cham: Springer.

Houshold, I., Osborne, R. (2017). Hypogene? Caves modified by meteoric flows - Geomorphology of Cliefden Caves and the Belubula River Valley. *17th International Congress of Speleology (ICS 2017)*, Sydney: Australian Speleological Federation Inc.

Osborne, R. (2017). Palaeokarst deposits in caves: Examples from Eastern Australia and Central Europe. *Acta Carsologica*, 46(1), 19-32. [More Information]

Osborne, R. (2017). The geoheritage significance of Cliefden Caves, NSW, Australia. *17th International Congress of Speleology (ICS 2017)*, Sydney: Australian Speleological Federation Inc.

2016

Otonicar, B., Dublyansky, Y., Osborne, R., Tyc, A., Philipp, S. (2016). Cave inception in Dedolomite (a case study from central Slovenia). *DeepKarst 2016: Origins, Resources, and Management of Hypogene Karst*, Carlsbad: National Cave and Karst Research Institute.

2014

Pogson, R., Osborne, R., Colchester, D. (2014). Minerals of Jenolan Caves, New South Wales, Australia: Geological and biological interactions. *Proceedings of the Linnean Society of New South Wales*, 136, 1-18.

Osborne, R. (2014). Understanding the origin and evolution of Jenolan Caves: The next steps. *Proceedings of the Linnean Society of New South Wales*, 136, 77-97.

2013

Osborne, R., Jayasingha, P., Welianje, W. (2013). An Introduction to Sri Lankan Gneiss and Granite Caves. *16th International Congress of Speleology*, Brno, Czech Republic: Czech Speleological Society and the SPELEO2013.

Osborne, R., Welianje, W., Jayasingha, P., Dandeniya, A., Algiriya, P., Pogson, R. (2013). Caves and karst-like features in Proterozoic gneiss and Cambrian granite, southern and central Sri Lanka: An introduction. *Acta Carsologica*, 42(1), 25-48.

Osborne, R. (2013). Exhumation of Palaeokarst by Vadose Weathering: A Telling Example from Eastern Australia. *16th International Congress of Speleology*, Brno, Czech Republic: Czech Speleological Society and the SPELEO2013.

Osborne, R. (2013). Preservation and Burial of Ancient Karst. In L. Allan James, Carol Harden, John J. Clague (Eds.), *Treatise on Geomorphology: Coastal Geomorphology*, (pp. 95-103). London: Academic Press. [More Information]

2012

Osborne, R. (2012). *Geodiversity & geoheritage study of the Manly LGA foreshores (Unpublished report to Manly Council, April 2012, co-authored with Mayne-Wilson & Associates)*.

Osborne, R. (2012). *Report on Hornsby Quarry (Expert witness report for Minter Ellison Lawyers in the matter of CSR Limited & Ors at Hornsby Shire Council, Supreme Court of New South Wales Proceedings No. 297428 of 2009)*.

Osborne, R. (2012). Some biological aspects of conservation and management of Sri Lankan caves. In Raj Somadewa (Eds.), *Rock Painting and Engraving Sites in Sri Lanka*, (pp. 208-229). Colombo: The Postgraduate Institute of Archaeology, University of Kelaniya.

2011

Pogson, R., Osborne, R., Colchester, D., CendÅ³n, D. (2011). Sulfate and phosphate speleothems at Jenolan Caves, New South Wales, Australia. *Acta Carsologica*, 40(2), 239-254.

2010

Osborne, R. (2010). Rethinking eastern Australian caves. In Bishop, P. and Pillans, B. (Eds.), *Australian Landscapes*, (pp. 289-308). London: Geological Society of London.

2009

Osborne, R. (2009). *Abiotic values of the Limestone Gully Creek Area, North of Capertee, New South Wales (Unpublished Report to the NSW Department of Environment & Climate Change)*.

Osborne, R. (2009). *Abiotic values of the Mt Sebastapol area, near Kempsey, New South Wales (Unpublished Report to the NSW Department of Environment & Climate Change)*.

Osborne, R. (2009). Early Carboniferous Unlithified Cave Sediments: Their Implications. *15th International Congress of Speleology ICS 2009*, United States: International Union of Speleology.

Osborne, R. (2009). *Geological and karst matters relating to the proposed development of the Timor Limestone Mine (Report to the Land and Environment Court of New South Wales: No 10497 of 2009)*.

Osborne, R. (2009). Hypogene Caves in Deformed (Fold Belt) Strata: Observations from Eastern Australia and Central Europe. *International Conference: Hypogene Speleogenesis and Karst Hydrogeology of Artesian Basins 2009*, Ukraine: Ukrainian Institute of Speleology and Karstology.

2008

Osborne, R. (2008). Cave turbidites. *Acta Carsologica*, 37(1), 41-50. [More Information]

Osborne, R. (2008). Detailed morphological studies in Netopirjev rov, Predjama Cave: A hypogene segment of a Slovenian cave. *Acta Carsologica*, 37(2-3), 255-272. [More Information]

2007

Osborne, R. (2007). Cathedral Cave, Wellington Caves, New South Wales, Australia. A multiphase, non-fluvial cave. *Earth Surface Processes and Landforms*, 32(14), 2075-2103. [More Information]

Osborne, R. (2007). *Geodiversity of Mole Creek Caves, Tasmania (Report to the Department of Environment and Water Resources)*.

Osborne, R. (2007). *Initial Study of the Karst Geology, Geomorphology and Geoheritage Significance of the Moparabah, Temagog and Sebastapol areas, near Kempsey NSW (Unpublished Report to the NSW Department of Environment & Climate Change)*.

Osborne, R. (2007). Intensely lithified palaeokarst deposits in Okno Cave, Demänovská Valley (Slovakia). *Geologica Carpathica: international geological journal*, 58(6), 565-578.

Cilek, V., Williams, R., Osborne, R., Migon, P., Mikulas, R. (2007). The origin and development of sandstone landforms. In Handrij Hartel;Vaclav Cilek;Tomas Herben;Andrew Jackson;Rendel Williams (Eds.), *Sandstone Landscapes*, (pp. 34-43). Prague: Academia.

Osborne, R. (2007). The world's oldest caves: -How did they survive and what can they tell us? *Acta Carsologica*, 36(1), 133-142. [More Information]

2006

Osborne, R., Zwingmann, H., Pogson, R., Colchester, D. (2006). Carboniferous clay deposits from Jenolan Caves, New South Wales: implications for timing of speleogenesis and regional geology. *Australian Journal of Earth Sciences*, 53(3), 377-405. [More Information]

2005

Osborne, R. (2005). Dating ancient caves and related palaeokarsts. *Acta Carsologica*, 34(1), 51-72.

2004

Osborne, R. (2004). Paleokarst. In John Gunn (Eds.), *Encyclopedia of Caves and Karst Science*. (pp. 559-561). United States: Routledge imprint of Taylor & Francis.

Osborne, R. (2004). Tales From Marble Halls: Geology And Geomorphology Of Wombeyan Caves. In Ross Ellis (Eds.), *Caves and Karst of Wombeyan*, (pp. 55-71). Sydney: Sydney Speleological Society.

Osborne, R. (2004). The Trouble With Cupolas. *Acta Carsologica*, 33(2), 10-36.

2003

Webb, J., Grimes, K., Osborne, R. (2003). Black holes: caves in the Australian landscape. In Brian Finlayson and Elery Hamilton-Smith (Eds.), *Beneath the Surface: a natural history of Australian caves*, (pp. 1-52). Sydney: University of New South Wales (UNSW) Press.

Osborne, R. (2003). Partitions, Compartments and Portals: Cave Development in internally impounded karst masses. *Speleogenesis and Evolution in Karst Aquifers*, 1(4), 1-12.

2002

Osborne, R. (2002). Cave Breakdown by Vadose Weathering. *International Journal of Speleology*, 31(1/4), 37-53.

Osborne, R., Bosak, P., Bella, P., Cilek, V., Ford, D., Hercman, H., Kadlec, J., Pruner, P. (2002). Ochtina Aragonite Cave (Western Carpathians, Slovakia): Morphology, mineralogy of the fill and genesis. *Geologica Carpathica: international geological journal*, 53(6), 399-410.

Osborne, R. (2002). Paleokarst: Cessation and Rebirth? In Gabrovsek, F (Eds.), *Evolution of Karst: from Prekarst to Cessation*, (pp. 97-114). Postojna-Ljubljana (Slovenia): Staempfli Publishers Ltd.

Osborne, R. (2002). Significance and monitoring. *Acta Carsologica*, 31(1), 21-33.

Osborne, R. (2002). The new science of Eastern Australian caves: Implications for management and interpretation. *Fourteenth Australasian Conference on Cave and Karst Management*, Groningen, The Netherlands: Australian Cave and Karst Management Association Inc.

2001

Osborne, R. (2001). Halls and narrows: Network caves in dipping limestone, examples from eastern Australia. *Cave and Karst Science*, 28, 3-14.

Osborne, R. (2001). Karst geology of Wellington Caves, a review. *Helictite*, 37, 3-12.

Osborne, R. (2001). Sulfide-bearing palaeokarst deposits at Lune River Quarry, Ida Bay, Tasmania. *Australian Journal of Earth Sciences*, 48, 409-416.