

Publications

Jason Hilton (WOK author identifier F-5830-2012)

2016:

96. Neregato, R., D'Apolito, C., Glasspool, I. J., Wang, S. J., Feng, L., Windslow, P., Lu, J., Shao, L., and **Hilton, J.** 2016. Palynological constraints on the provenance and stratigraphic range of a Lopingian (late Permian) inter-extinction floral lagerstätte from the Xuanwei Formation, Guizhou Province, China. *International Journal of Coal Geology* 62: 139–150.
95. Le Couls, M., **Hilton, J.** Courville, P., Guillocheau, F., Morel, N., Néraudeau, D. 2016. *Becklesia maulnyi* nov. sp. : A new cycadean species from the Lower Oxfordian (Upper Jurassic) of Écommoy (Sarthe, NW France). *Annales de Paléontologie*.
94. **Hilton, J.**, Riding, J. B., Rothwell, G.W. 2016. The age and identity of the oldest pine. *Geology*. Commentary reply. *Geology* e400–401. doi: 10.1130/G38050C.1
93. Bateman, R. M., **Hilton, J.** and Stevens, L. G. 2016. Stratigraphy and palaeoenvironments of Loch Humphrey Burn and other Mississippian palaeobotanical localities of the Kilpatrick Hills, southwest Scotland. *PEERJ* 4: e1700 <https://doi.org/10.7717/peerj.1700>

2015:

92. Spencer, A. R. T., Mapes, G., Bateman, R. M., **Hilton, J.** and Rothwell, G. W. 2015. Middle Jurassic evidence for the origin of Cupressaceae: a palaeobotanical context for the roles of regulatory genetics and development in the evolution of conifer seed cones. *American Journal of Botany* 102: 942–961. [Open Access]
91. He, X. Z., Wang, S. J., Wan, M. L., **Hilton, J.** and Wang, J. 2015. *Gigantopteris* Schenk ex Yabe in the Lopingian (Late Permian) flora of central Shanxi in the North China Block: palaeobiogeographical and palaeoecological implications. *Journal of Asian Earth Sciences* 116: 115–121. <http://dx.doi.org/10.1016/j.jseaes.2015.11.009>
90. McLoughlin, S., Drinnan, A. N., Slater, B. J., and **Hilton, J.** 2015. *Paurodendron stellatum*: a new Permian permineralized herbaceous lycopsid from the Prince Charles Mountains, Antarctica. *Review of Palaeobotany and Palynology* 220: 1–15. DOI 10.1016/j.revpalbo.2015.04.004. [Open Access]
89. Slater, B. J., McLoughlin, S. and **Hilton, J.** 2015. A high latitude Gondwanan lagerstätte: the Permian Prince Charles Mountains floras, Antarctica. *Gondwana Research* 27: 1446–1473. DOI 10.1016/j.gr.2014.01.004. [Open Access]

2014:

88. Steart, D. C., Spencer, A. R. T., Garwood, R. J. **Hilton, J.**, Munt, M. C., Needham, J., Kenrick, P. 2014. Newly discovered anatomically persevered *Pararaucaria* (Cheirolepidiaceae) from the Upper Jurassic of Southern England. *PeerJ*. DOI 10.7717/peerj.624 pages 1–29. [Open Access]
87. Deng, S. H., Glasspool, I. J., Dejax, J. and **Hilton, J.** 2014. Pollen cones and associated leaves from the Lower Cretaceous of China and a re-evaluation of Mesozoic male cycad cones. *Journal of Systematic Palaeontology* 12: 1001–1023.
86. Wang, S. J., **Hilton, J.**, Galtier, J., He, X. Y., Shao, L.Y. 2014. *Tiannia* gen. nov., a new osmundalen stem from the Upper Permian of south-western China previously within *Palaeosmunda*. *Review of Palaeobotany and Palynology* 210: 37–49.
85. Wang, S. J., He X. H., **Hilton, J.**, Seyfullah, L. J. and Shao, L. 2014. Anatomy and organization of *Zhongmingella* (Li) gen. et comb. nov. from the Late Permian of China and its relationships with extinct Osmundalean ferns. *Journal of Systematic Palaeontology* 12: 1–22. doi: 10.1080/14772019.2012.726658
84. Seyfullah, L. J., Glasspool, I. J. and **Hilton, J.** 2014. Hooked: Habits of the Chinese Permian gigantopterid *Gigantonoclea*. *Journal of Asian Earth Sciences* 83: 80–90.

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82. Spencer, A. R. T., Wang, S. J., Dunn, M. T. and **Hilton, J.** **2013**. Species of the medullosan ovule *Stephanospermum* from the Lopingian (late Permian) of South China. *Journal of Asian Earth Sciences* 76: 59–69. doi 10.1016/j.jseaes.2013.07.030
81. Rudall, P. J., **Hilton, J.** and Bateman, R. M. **2013**. Several developmental and morphogenetic factors govern diversity of stomatal patterning in land plants. *Tansley Review, New Phytologist* 200: 598–614. doi: 10.1111/nph.12406
80. Slater, B. J., McLoughlin, S. and **Hilton, J.** **2013**. Peronosporomycetes (Oomycota) from Middle Permian permineralized peats of the Bainmedart Coal Measures, Prince Charles Mountains, Antarctica. *PLOS One* 8(8): e70707. doi:10.1371/journal.pone.0070707. [OPEN ACCESS]
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78. Rothwell, G. W., Mapes, G., Stockey, R. A. and **Hilton, J.** **2013**. Diversity of ancient conifers: the Jurassic seed cone *Bancroftiastrobis digitata* gen. et sp. nov. (Cupressaceae). *International Journal of Plant Sciences* 174(6): 937–946. DOI: 10.1086/670368
77. He, X. Y., Wang, S. J. **Hilton, J.**, Galtier, J. Li Y. J. and Shao L. **2013**. A unique trunk of Psaroniaceae (Marattiales) — *Psaronius xuii* sp. nov., and subdivision of the genus *Psaronius* Cotta. *Review of Palaeobotany and Palynology* 197: 1–14. <http://dx.doi.org/10.1016/j.revpalbo.2013.05.005>
76. Jana, B. N., King, S. C. and **Hilton, J.** **2013**. Revision of the Cretaceous fossil plant assemblage from Gardeshwar (Gujarat, India): a conifer dominated floral association from an Upper Gondwana Sequence in the West Coast of India. *Journal of Asian Earth Science* 73: 128–138. <http://dx.doi.org/10.1016/j.jseaes.2013.04.021>
75. Prestianni, C., **Hilton, J.** and Cressler, W. **2013**. Were all Devonian seeds cupulate? A reinvestigation of *Pseudosporognites hallei*, *Xenotheca bertrandii* and *Aglosperma* spp. *International Journal of Plant Sciences* 174: 832–851. DOI: 10.1086/670235
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71. Ryberg, P. E., Stockey, R. A., **Hilton, J.**, Mapes, G., Riding, J. B. and Rothwell, G.W. **2012**. Reconsidering relationships among stem and crown group Pinaceae: oldest record of the genus *Pinus* from the Early Cretaceous of Yorkshire, UK. *International Journal of Plant Sciences* 173: 917–932.
70. Womack, T., Slater, B. J., Stevens, L. G., Anderson, L. I. and **Hilton, J.** **2012**. First cladoceran fossils from the Carboniferous: palaeoenvironmental and evolutionary implications. *Palaeoecology, Palaeogeography, Palaeoclimatology* 345: 39–48.
69. Rothwell, G. W., Mapes, G., Stockey, R. A. and **Hilton, J.** **2012**. The seed cone *Eathiestrobis* gen. nov.: fossil evidence for a Jurassic origin of Pinaceae. *American Journal of Botany* 99: 708–720.

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66. King, S. E., Cleal, C. J. and **Hilton, J.** **2011**. Common ground between two British Pennsylvanian wetland floras: using large, first-hand data sets to assess quality of historical museum collections. *Palaeoecology, Palaeogeography, Palaeoclimatology*, 308: 405–417.
65. Seyfullah, L. J. and **Hilton, J.** **2011**. Callistophytalean pteridosperms from the Permian floras of China. *Palaeontology* 54: 287–302.
64. Rudall, P.J., **Hilton, J.** Vergara–Silva, F., and Bateman, R. M. **2011**. Recurrent abnormalities of conifer cones and the evolutionary origins of flower like structures. *Trends in Plant Sciences* 16: 151–159.
63. Stevens, L. G., **Hilton, J.**, Bond, D. P. G., Glasspool, I. J. and Jardine, P. E. **2011**. Radiation and extinction patterns in Pennsylvanian–Permian floras from North China as indicators of environmental and climate change. *Journal of the Geological Society, London* 168: 607–619.
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61. Rothwell, G. W., Stockey, R. A., Mapes, G. and **Hilton, J.** **2011**. Structure and relationships of the Jurassic conifer seed cone *Hughmillerites judii* gen. et sp. nov.: implications for the early evolution of cupressaceae. *Review of Palaeobotany and Palynology* 164: 45–59.
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57. Bond D.P.G., **Hilton, J.** Wignall, P. B., Stevens, L. G., Ali, J. R., Sun, Y. and Lai, X. L. **2010**. The Middle Permian (Capitanian) mass extinction on land and in the oceans. *Earth–Science Reviews* 102: 100–116.

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54. Seyfullah, L. J., **Hilton, J.**, Wang, S. J. and Galtier, J. **2009**. Anatomically preserved pteridosperm stems and petioles from the Permian floras of China. *International Journal of Plant Sciences* 170: 814–828.

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McLoughlin, S., Slater, B., **Hilton, J.** and Prevec, R. **2011.** New vistas on animal–plant–fungal interactions in the Permian–Triassic of Gondwana. *GFF* 133: 66–67.

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