

2013-2017 CEED publications in high impact journals and SCOPUS citations

2 Nature (38.14*), 1 Nature Communications (11.33), 3 Nature Geoscience (12.51), 4 PNAS (9.38), 3 Science (34.66), 1 Science Advances, all-ca. 185 citations

* Journal Impact factor 2015/2016 (scijournal.org)

1. Ashwal, L. D., M. Wiedenbeck, and T. H. Torsvik (2017), Archaean zircons in Miocene oceanic hotspot rocks establish ancient continental crust beneath Mauritius, *Nature Communications*, 8. 0
2. *Biggin, A.J., Piispa, E.J., Pesonen, L.J., Holme, R., Paterson, G.A., Veikkolainen, T., Tauxe, L. (2015). Palaeomagnetic field intensity variations suggest Mesoproterozoic inner-core nucleation. *Nature*, 526, 245-248. 16
3. Conrad, C. P., B. Steinberger, and T. H. Torsvik (2013), Stability of active mantle upwelling revealed by net characteristics of plate tectonics, *Nature*, 498(7455), 479-482. 12
4. Frieling, J., H. H. Svensen, S. Planke, M. J. Cramwinckel, H. Selnes, and A. Sluijs (2016), Thermogenic methane release as a cause for the long duration of the PETM, *Proceedings of the National Academy of Sciences of the United States of America*, 113(43), 12059-12064. 0
5. Hasenclever, J., S. Theissen-Krah, L. H. Rüpke, J. P. Morgan, K. Iyer, S. Petersen, and C. W. Devey (2014), Hybrid shallow on-axis and deep off-axis hydrothermal circulation at fast-spreading ridges, *Nature*, 508(7497), 508-512. 8
6. Renssen, H; Mairesse, A; Goosse, H; Heiri, O; Roche, D.M; Nisancioglu, K.H; Valdes, P. J. (2015). Multiple causes of the Younger Dryas cold period. *Nature Geoscience*, doi:10.1038/ngeo2557. 13
7. Smirnov, A. Kulakov, E.V., Foucher, M.S., and K. E. Bristol. (2017). Intrinsic paleointensity bias and the long-term history of the geodynamo, *Science Advances*, 3 (2), doi.org/10.1126/sciadv.1602306 0
8. Rogozhina, I., A. G. Petrunin, A. P. M. Vaughan, B. Steinberger, J. V. Johnson, M. K. Kaban, R. Calov, F. Rickers, M. Thomas, and I. Koulakov (2016), Melting at the base of the Greenland ice sheet explained by Iceland hotspot history, *Nature Geoscience*, 9(5), 366-369. 4
9. Torsvik, T. H., R. Van Der Voo, P. V. Doubrovine, K. Burke, B. Steinberger, L. D. Ashwal, R. G. Trønnes, S. J. Webb, and A. L. Bull (2014), Deep mantle structure as a reference frame for movements in and on the Earth, *Proceedings of the National Academy of Sciences of the United States of America*, 111(24), 8735-8740. 34
10. Torsvik, T. H., H. Amundsen, E. H. Hartz, F. Corfu, N. Kusznir, C. Gaina, P. V. Doubrovine, B. Steinberger, L. D. Ashwal, and B. Jamtveit (2013), A Precambrian microcontinent in the Indian Ocean, *Nature Geoscience*, 6(3), 223-227. 45
11. Torsvik, T. H., et al. (2015), Continental crust beneath southeast Iceland, *Proceedings of the National Academy of Sciences of the United States of America*, 112(15), E1818-E1827. 5
12. Van Der Meer, D. G., R. E. Zeebe, D. J. J. Van Hinsbergen, A. Sluijs, W. Spakman, and T. H. Torsvik (2014), Plate tectonic controls on atmospheric CO₂ levels since the Triassic, *Proceedings of the National Academy of Sciences of the United States of America*, 111(12), 4380-4385. 24
13. Werner, S. C., A. Ody, and F. Poulet (2014), The source crater of martian shergottite meteorites, *Science*, 343(6177), 1343-1346. 21
14. 10. Xiao, L., Zhu, P., Fang, G., Xiao, Z., Zou, Y., Zhao, J., Zhao, N., Yuan, Y., Qiao, L., Zhang, X., Zhang, H., Wang, J., Huang, J., Huang, Q., He, Q., Zhou, B., Ji, Y., Zhang, Q., Shen, S., Li, Y., Gao, Y. (2015). A young multi-layered terrane of the northern Mare Imbrium revealed by ChangE-3 mission. *Science*, 347,6227-1226. (Web of Science citations 27)

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