

SELECTED PUBLICATIONS LIST

(*Italic marks a student or postdoc paper*)

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1. Bova, S., **Rosenthal, Y.**, and X. Du (2025). Contraction of the Western Pacific tropical rain belt and weakening of the Walker Circulation: future lessons from the past two interglacials. *Paleoceanography and Paleoclimatology* (pdf)
2. Thirumalai, K., Clemens, S., **Rosenthal, Y.**, et al., (2025). Extreme Indian paleomonsoon states and productivity collapses since the last Ice Age – *Nature Geoscience*. (pdf)
3. Clark, P., Shakun, J., **Rosenthal, Y.**, Köhler, P., Bartlein, P. (2024). Global and Regional Temperature Change Over the Last 4.5 Myr. *Science* 383: 884-890 (pdf)
4. Hess, A., Auderset, A., **Rosenthal, Y.**, Miller, K.G., Zhou, X., Sigman, D.M., Martínez-García A. (2023). A well oxygenated eastern tropical Pacific during the warm Miocene. *Nature* 619, 521–525 (pdf)
5. Bayon, G., Patriat, M., Godderis, Y., Trinquier, A., De Deckker, Kulhanek, D. Holbourn, A., and **Y. Rosenthal** (2023). Tropical Pacific hydroclimate as a driver for island uplift and sustained ophiolite weathering in Southeast Asia since 4 Ma. *Science Advances* (pdf)
6. Jian, Z., Wang Y., Dang, H., Mohtadi, M., **Rosenthal, Y.**, Lea, D.W., Liu, Z., Jin, H., Ye, L., Kuhnt, and X., Wang. (2022). Warm pool ocean heat content regulates ocean-continent moisture transport. *Nature*. 1-8 (pdf)
7. **Rosenthal, Y.**, Bova, S., and Zhou, X., (2022). A user guide for choosing planktic foraminiferal Mg/Ca-temperature calibrations. *Paleoceanography and Paleoclimatology*. (pdf)
8. Beaufort, L., Bolton, Sarr, A-C., Suchéras-Marx, B., **Rosenthal, Y.**, Donnadieu, Y., Barbarin, N., Bova, S., Cornuault, P., Gally, Y., Gray, E., Mazur, J-C., and M., Tetard. (2021). Cyclic evolution of phytoplankton forced by changes in tropical seasonality. *Nature* v. 600, 79-84 (pdf)
9. Zhou, X., **Rosenthal, Y.**, Haynes, L., Si, W. Evans, D., Huang, K-F., Hönisch, B. and J. Erez. (2021). Planktic foraminiferal Na/Ca: a potential proxy for seawater calcium concentration. *Geochim. Cosmochim. Acta*. 305. (pdf)
10. Bova, S., **Rosenthal, Y.**, Liu, Z., Godad, S.P., Yan, M. (2021). A seasonal origin for the Holocene and last interglacial thermal maxima. *Nature*, 589: 548-553 (pdf)
11. Si W. and **Y. Rosenthal**. (2019). Late Neogene co-evolution of ocean calcifiers and continental weathering. *Nature Geoscience*. (pdf)
12. Woodard, S.C., **Rosenthal, Y.**, Miller, K.G., Wright, J.V., Chiu, B.K. and K.T. Lawrence. (2014). Antarctic role in Northern Hemisphere Glaciation. *Science*, 346:847-850. (pdf)
13. Liu Z., Zhu J., **Rosenthal Y.**, Zhang X., Otto-Bliesner B.L., Timmermann A., Smith R.S., Lohmann G., Zheng W., and O. Timm. (2014). The Holocene Temperature Conundrum. *Proc. Nat. Acad. Soc.* (pdf)
14. Dubois, N., Oppo, D.W., Galy, V.V., Mohtadi, M., van der Kaars, S., Tierney, J.E., **Rosenthal, Y.**, Eglinton, T.I., Lückge, A. and B.K. Linsley. (2014). Vegetation response in Indonesia to changes in rainfall seasonality of the last 25 kyr. *Nature GeoScience*. (pdf)
15. Galaasen, E.V., Ninnemann, U.S., Irvali, N., Kleiven, H.F., **Rosenthal, Y.**, Kissel, C. and D.A. Hodell (2014). Rapid reductions in North Atlantic Deep Water during the peak of the last interglacial period. *Science* 343, 1129-1132 (pdf)

16. **Rosenthal, Y.**, Linsley, B.K., and D.W. Oppo, (2013). Pacific Ocean Heat Content during the past 10,000 years. *Science* 342: 617-621 (pdf)
17. Miller, K.G., Browning, J.V., Kulpeck, A., Kominz, M., Naish, T.R., **Rosenthal, Y.**, Peltier, R., Sosdian, S. and J.V. Wright. (2012). The high tide of the warm Pliocene: Implications of ~20 m peak eustatic sea-levels for Antarctic deglaciation. *Geology*, 40 (pdf)
18. Katz, M.E., Cramer, B.S., Toggweiler, J.R., Esmay, G., Liu, C., Miller, K.G., **Rosenthal, Y.**, Wade, B.S., and J.D. Wright. (2011). Impact of Antarctic Circumpolar Current development on late Paleogene ocean structure. *Science*, 332, 1076-1079 (pdf)
19. Linsley, B.K., **Rosenthal, Y.** and D.W. Oppo. (2010). Evolution of the Indonesian Throughflow and Western Pacific Warm Pool During the Holocene. *Nature Geoscience*. 3, 578 – 583 (pdf)
20. Sosdian, S. and **Y. Rosenthal**. (2009). Deep Sea Temperature and Ice Volume Changes across the Pliocene-Pleistocene Climate Transitions. *Science*. 325, 30-3106 (pdf)
21. Oppo, D.W., Rosenthal, Y. and Linsley, B.K. (2009) 2,000-year-long temperature and hydrology reconstructions from the western Pacific warm pool. *Nature* 460, 1113-1116. (pdf)
22. *de Garidel, T.*, **Rosenthal, Y.**, Bassinot, F., and L., Beaufort, (2005) Stable sea surface temperatures in the western Pacific warm pool over the past 1.75 million years. *Nature* 433: 294-298 (pdf)
23. *Lear C.H.*, **Rosenthal, Y.**, and J.D. Wright, (2003). The closing of a seaway: Ocean water masses and global climate change. *Earth Planet. Sci. Lett.* 210: 425-436
24. **Rosenthal, Y.**, Oppo, D.W., and B.K., Linsley. (2003). The amplitude and phasing of climate change during the last deglaciation in the Sulu Sea, western equatorial Pacific. *Geophys. Res. Lett.* 30(8), 1428 (pdf)
25. Falkowski et al., (2000). Towards an integrated view of the control of the biosphere. *Science* 290:291-296 (pdf)
26. **Rosenthal, Y.**, Boyle, E. A. and N. Slowey, (1997). Temperature control on the incorporation of Mg, Sr, F and Cd into benthic foraminiferal shells from Little Bahama Bank: prospects for thermocline paleoceanography. *Geochim. Cosmochim. Acta*. 61: 3633-3643. (pdf)
27. **Rosenthal, Y.**, Lam, P., Boyle, E. A., and J. Thomson, (1995). Authigenic cadmium enrichments in suboxic sediments: Precipitation and postdepositional remobilization. *Earth and Planet. Sci. Lett.* 132: 99-111. (pdf)