

PUBLICATIONS

Theses

1. Erickson, D. J. III, 'Global atmospheric sea-salt deposition', Ph.D dissertation, Graduate School of Oceanography, University of Rhode Island, 186 pp., 1987.

Refereed Articles

1. Erickson, D. J. III, J. T. Merrill and R. A. Duce, 'Seasonal estimates of global atmospheric sea-salt distributions', J. Geophys. Res., 91, 1067-1072, 1986.
2. Erickson, D. J. III, J. T. Merrill and R. A. Duce, 'Seasonal estimates of global oceanic whitecap coverage', J. Geophys. Res., 91, 12,975-12,977, 1986.
3. Erickson, D. J. III and S. M. Dickson, 'Global trace element biogeochemistry at the K/T boundary: The oceanic and biotic response to a hypothetical meteorite impact', Geology, 15, 1014-1017, 1987.
4. Erickson, D. J. III and R. A. Duce, 'On the global flux of atmospheric sea-salt', J. Geophys. Res., 93, 14,079-14,088, 1988.
5. Erickson, D. J. III, 'Simulation of the global air-sea transfer velocity field of helium', Geophys. Res. Lett., 15, 1495-1499, 1988.
6. Erickson, D. J. III, 'Variations in the global air-sea transfer velocity field of CO₂', Global Biogeochem. Cycles, 3, 37-41, 1989.
7. Erickson, D. J. III and J. A. Taylor, 'Non-Weibull behavior observed in a model-generated global surface wind speed frequency distribution', J. Geophys. Res., 94, 12,693-12,698, 1989.
8. Oglesby, R. J. and D. J. Erickson III, 'Soil moisture and the persistence of North American drought', J. Climate, 2, 1362-1380, 1989.
9. Galer, S. J. G., J. D. Macdougall and D. J. Erickson III, 'Pb isotopic tracers of the Cretaceous/Tertiary extinction event', Geophys. Res. Lett., 16, 1301-1304, 1989.
10. Erickson, D. J. III, 'Ocean to atmosphere carbon monoxide flux: Global inventory and climate implications', Global Biogeochem. Cycle, 3, 305-314, 1989.
11. Erickson, D. J. III, S. Ghan and J. Penner, 'Global ocean to atmosphere dimethyl sulfide flux', J. Geophys. Res., 95, 7543-7552, 1990.
12. Ghan, S., K. E. Taylor, J. E. Penner and D. J. Erickson III, 'Model test of DMS-CCN-Cloud Albedo climate forcing', Geophys. Res. Lett., 17, 607-610, 1990.
13. Erickson, D. J. III, J. J. Walton, S. J. Ghan and J. E. Penner, 'Three-dimensional modeling of the global atmospheric sulfur cycle: A first step', Atmos. Environ., 25A, 2513-2520, 1991.
14. Erickson, D. J. III, 'Some aspects of ocean-atmosphere CO₂ exchange during the last glacial maximum', Scientists on Gaia, MIT Press, 256-260, 1991.
15. Erickson, D. J. III and J. A. Taylor, '3-D atmospheric CO modeling: The possible influence of the ocean', Geophys. Res. Lett., 19, 1955-1958, 1992.
16. Fried, A., L. F. Klinger and D. J. Erickson III, 'Atmospheric carbonyl sulfide exchange in bog microcosms', Geophys. Res. Lett., 20, 129-132, 1993.

17. Erickson, D. J. III, 'A stability dependent theory for air-sea gas exchange', J. Geophys. Res., 98, 8471-8488, 1993.
18. Erickson, D. J. III and B. E. Eaton, 'Global biogeochemical cycling estimates with CZCS satellite data and general circulation models', Geophys. Res. Lett., 20, 683-686, 1993.
19. Zepp, R., T. V. Callahan and D. J. Erickson III, 'Effects of enhanced solar ultraviolet radiation on biogeochemical cycles', United Nations Environment Program (UNEP), Environmental effects of ozone depletion: 1994 Assessment, 1994.
20. Najjar, R. G., D. J. Erickson III and S. Madronich, 'Effects of turbulent mixing and solar ultraviolet radiation on upper ocean carbon cycling: Carbon monoxide and carbonyl sulfide', In The role of non-living organic matter in the Earth's carbon cycle, R. G. Zepp and C. Sonntag (eds.), Wiley, New York, 107-132, 1995.
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24. Nevison, C., R. Weiss and D. J. Erickson III, 'Global oceanic nitrous oxide emissions', J. Geophys. Res., 100, 15809-15820, 1995.
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31. Marshall, S., J. A. Taylor, R. J. Oglesby, J. W. Larson and D. J. Erickson III, 'Climatic effects of biomass burning', Environ. Software, 11, 53-59, 1996.

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39. Erickson, D. J. III and J. L. Hernandez, 'A global, high resolution, satellite-based model of air-sea isoprene flux', In press, 2001.
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