

Vernon Hodge

Chemistry and Biochemistry

List of Publications

1. W.H. Richardson and V. Hodge, "1,2 Cycloaddition of Singlet Oxygen to 9,9'-Bifluorenylidene," Journal of Organic Chemistry, 35, 1216 (1970).
2. W.H. Richardson and V.H. Hodge, "Activation Parameters for the Decomposition of 3,3-Dimethyl-1,2-Dioxetane in 60% Aqueous Methanol," Tetrahedron Letters, 2271 (1970).
3. W.H. Richardson and V.F. Hodge, "Acidities of Tertiary Alkyl Hydroperoxides," Journal of Organic Chemistry, 35, 4012 (1970).
4. W.H. Richardson and V.F. Hodge, "The Neighboring Peroxide Anion and the 1,2-Dioxetane Intermediate. A Kinetic and Product Study of the Basic Decomposition of Chloro-t-butyl Hydroperoxide." Journal of American Chemical Society, 93, 3996 (1971).
5. W.H. Richardson and V.F. Hodge, "The Reaction of 3,3-Dimethyl-1,2-Dioxetane with Sodium Azide," Tetrahedron Letters, 749 (1971).
6. R. Grismore, T.R. Folsom, V.F. Hodge, and D.R. Young, "A Study of the Radiosilver Signature of the 1961-62 Nuclear Weapons Testing Period," Transactions of the New York Academy of Sciences, 34, 392 (1972).
7. V.F. Hodge and T.R. Folsom, "Cyanide Extraction and Electrodeposition of Trace Amounts of Radioactive Silver from Large Biological Samples," Analytical Chemistry, 44, 381 (1972).
8. K.M. Wong, V.F. Hodge, and T.R. Folsom, "Plutonium and Polonium Inside Giant Brown Algae," Nature, 237, 460 (1972).
9. V.F. Hodge and T.R. Folsom, "Estimate of the World Budget of Fallout Silver Nuclides," Nature, 237, 98 (1972).
10. V.P. Guinn, R. Kishore, T.R. Folsom, V.F. Hodge, and M.C. Sargent. "Neutron Activation Analysis Measurements of Hg, Se, and Zn Levels in Albacore and Dolphins." Transactions of the American Nuclear Society, 15, 68 (1972).
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- Mid-Water Fish of the Eastern Temporal Pacific," Health Physics, 26, 65 (1974).
12. V.F. Hodge, F.L. Hoffman, and T.R. Folsom, "Rapid Accumulation of Plutonium and Polonium on Giant Brown Algae," Health Physics, 27, 29 (1974).
 13. F.L. Hoffman, V.F. Hodge, and T.R. Folsom, "²¹⁰Po Radioactivity in Organs of Selected Tunas and Other Marine Fish," J. Radiation Research, 15, 103 (1974).
 14. V.F. Hodge, F.L. Hoffman, R.F. Foreman, and T.R. Folsom, "Simple Recovery of Plutonium, Americium, Uranium, and Polonium from Large Volumes of Ocean Water," Analytical Chemistry, 46, 1334 (1974).
 15. W.H. Richardson, V.F. Hodge, D.L. Stiggall, M.B. Yelvington, and F.C. Montgomery, "1,2-Dioxetane Intermediate in the Base Catalyzed Decomposition of α -Hydroperoxy Ketones," J. American Chemical Society, 96, 6652 (1974).
 16. T.R. Folsom, N. Hansen, T.J. Tatum, and V.F. Hodge, "Recent Improvements in Methods for Concentrating and Analyzing Radiocesium in Sea Water." J. Radiation Research, 16, 19 (1974).
 17. V.F. Hodge and M.E. Gurney, "Semi-Quantitative Determination of Uranium, Plutonium, and Americium in Sea Water," Analytical Chemistry, 47, 1866 (1974).
 18. T.R. Folsom, V.F. Hodge, and M.E. Gurney, "Plutonium Observed on Algal Surfaces in the Ocean," Marine Science Communications, 1, 39 (1975).
 19. D.R. Young, T.R. Folsom, and V.F. Hodge, "¹³⁷Cs and ⁴⁰K in the Flesh of Pacific Albacore, 1964-1974," Health Physics (1975).
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 22. J.P. Cowen, V.F. Hodge, and T.R. Folsom, "*In vivo* Accumulation of Radioactive Polonium by the Giant Kelp *Macrocystis pyrifera*," Marine Biology, 37, 239 (1976).
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25. L. Chen, V.F. Hodge, and R.A. Lewin, "Polonium and Plutonium in an Intertidal Food Chain," Nature, 269, 795 (1977).
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- Letters, 72, 158 (1985).
37. E.D. Goldberg, V. Hodge, P. Kay, M. Stallard, and M. Koide, "Some Comparative Marine Chemistries of Platinum and Iridium," Applied Geochemistry, 1, 227 (1986).
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 45. W. Ellis, C. Jones, D. Darby, T. Hinnners, and V. Hodge, "Determination of Beryllium by Furnace Atomic Absorption Spectroscopy," Atomic Spectroscopy, 9, 181-188 (1988).
 46. E.D. Goldberg, M. Koide, K. Bertine, V. Hodge, and M. Stallard, "Marine Geochemistry-2, Scavenging Redox," Applied Geochemistry, 3, 561-571 (1988).
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53. K. Johannesson, K. Stetzenbach, and V. Hodge, "Speciation of the Rare Earth Element Neodymium in Groundwater of the Nevada Test Site and Yucca Mountain and Implications for Actinide Solubility," Appl. Geochem., 10, 565-572 (1995).
54. D.K. Kreamer, V.F. Hodge, I. Rabinowitz, K.H. Johannesson, and K.J. Stetzenbach, "Trace Element Geochemistry in Water from Selected Springs in Death Valley National Park, California," Ground Water, 34, 95-103 (1996).
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