

JAMES B. GILL
Professor
Department of Earth Sciences

PUBLICATIONS

Books:

1981 Orogenic Andesites and Plate Tectonics: Springer-Verlag, 390 pp., J. B. Gill.

Manuscripts In Press, In Review, and In Preparation:

2002 U-series disequilibria in volcanic rocks from the Canary Islands; asthenospheric versus lithospheric melting. *Geochim. Cosmochim. Acta* (in review) C. Lundstrom, K. Hoernle, J. Gill.

2003 U-series isotopes and magma genesis at convergent margins. (in review) S. Turner, B. Bourdon, J. Gill.

Refereed Articles in Journals and Books:

2002 A multi-isotope (B, Sr, O, H, C) and age dating (^3H - ^3He - ^{14}C) study of groundwater from Salinas Valley, California: hydrogeochemistry, dynamics, and contamination processes. *Water Resource Research* 38, 9-1-17 A. Vengosh, J. Gill, M.L. Davisson, G. B. Hudson.

2001 Across-arc geochemical trends in the Izu-Bonin arc: contributions from the subducting slab. *Geophysics, Geochemistry, Geosystems Paper No. 2000GC000105*. A. G. Hochstaedter, J. Gill, R. Peters, P. Broughton, P. Holden, and B. Taylor.

2000 Across-arc geochemical trends in the Izu-Bonin arc: constraints on source composition and mantle melting. *J. Geophys. Res.* 105, 495-512. A.G.. Hochstaedter, J. Gill, B. Taylor, O. Ishikuka, M. Yuasa, and S. Morita.

2000 A geochemically consistent hypothesis for MORB generation. *Chemical Geology* 162, 105-126. C. Lundstrom, J. Gill, Q. Williams.

1999 Insights into MORB petrogenesis: an investigation of U-series disequilibrium in the Siqueros Transform and Lamont Seamounts. *J. Geophysical Res.* 104, 13,035-48. C.C. Lundstrom, D.E. Sampson, M.R. Perfit, J. Gill, Q. Williams.

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1998 Investigating solid upwelling rates beneath mid-ocean ridges using U-series disequilibria II: a local study at 33°S Mid-Atlantic Ridge. *Earth Planet. Sci. Letters.* 157, 167-182. C. Lundstrom, J. Gill, Q. Williams, and B. Hanan.

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1997 Th-Sr-Nd-Pb isotope and trace element evidence for the origin of the Sao Miguel enriched mantle source. *Chemical Geology* 140, 49-68. E. Widom, R.W. Carlson, J. Gill, and H-U Schmincke.

1996 Constraints on the Mesozoic tectonic evolution of South China from Sm-Nd and Rb-Sr isotopic mapping of the Nanling granite field. *J. Geophys. Res.* 101, 16,137-16,154. S. Gilder, J. Gill, R. Coe and 7 others.

1995 Mantle melting and basalt extraction by equilibrium porous flow. *Science* 270, 1958-62. C. Lundstrom, J. Gill, Q. Williams.

1995 Geochemical evolution of arc systems in the western Pacific: the ash and turbidite record recovered by drilling. R.J. Arculus, J. Gill, H. Chambray, W. Chen, and R.J. Stern. In: Active Margins and Marginal Basins of the Western Pacific (B. Taylor ed.), AGU Monograph 88, p. 45-65.

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