



## Style and Dynamics of the 79AD Plinian Eruption at Vesuvius

By Thomas Shea

LAP Lambert Academic Publishing Feb 2012, 2012. Taschenbuch. Book Condition: Neu. 220x150x14 mm. This item is printed on demand - Print on Demand Neuware - The 79AD eruption of Mt Vesuvius is one of the most studied volcanic explosive events in history. It ejected ~3 km3 of material (dense rock equivalent) in the form of thick layers of pumice and ashfall interbedded with numerous large pyroclastic density current deposits, and is responsible for the destruction of Pompeii and Herculaneum. This eruption represents a typeexample of plinian eruption, where activity abruptly shifted from a stable rising plume to repetitive column collapses. In this volume, I present the results of several years of research on this eruption, with a particular focus on deciphering eruptive style through the (1) study of vesicle and crystal textures from sampled pumice, and (2) a detailed comparison with petrological experiments performed in the laboratory. These results provide crucial information on the physical processes responsible for the destructive transitions in eruptive behavior. 228 pp. Englisch.



## Reviews

I actually started looking over this publication. It really is rally interesting through studying period. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Dana Hintz

Good electronic book and valuable one. It really is basic but unexpected situations in the 50 percent in the pdf. You wont really feel monotony at at any moment of your time (that's what catalogues are for concerning when you ask me).

-- Elisa Reinger