Thomas A Vogel

List of Publications by Year
in descending order

39 papers	1,246 citations	304743 22 h-index	361022 35 g-index
40 all docs	40 docs citations	40 times ranked	800 citing authors

#	Article	IF	Citations
1	Magma mingling as indicated by texture and Sr/Ba ratios of plagioclase phenocrysts from Unzen volcano, SW Japan. Journal of Volcanology and Geothermal Research, 2006, 154, 103-116.	2.1	99
2	Petrology and emplacement dynamics of intrusive and extrusive rhyolites of Obsidian Dome, Inyo Craters Volcanic Chain, eastern California. Journal of Geophysical Research, 1989, 94, 17937-17956.	3.3	76
3	Generation of Porphyritic and Equigranular Mafic Enclaves During Magma Recharge Events at Unzen Volcano, Japan. Journal of Petrology, 2006, 47, 301-328.	2.8	70
4	Silicic ignimbrites within the Costa Rican volcanic front: evidence for the formation of continental crust. Earth and Planetary Science Letters, 2004, 226, 149-159.	4.4	62
5	The Composite Dikes at Mount Desert Island, Maine: An Example of Coexisting Acidic and Basic Magmas. Journal of Geology, 1980, 88, 433-444.	1.4	61
6	Evidence for dynamic withdrawal from a layered magma body: The Topopah Spring Tuff, southwestern Nevada. Journal of Geophysical Research, 1989, 94, 5925-5942.	3.3	59
7	Calcic cores of plagioclase phenocrysts in andesite from Karymsky volcano: Evidence for rapid introduction by basaltic replenishment. Geology, 2002, 30, 799.	4.4	58
8	Origin of silicic volcanic rocks in Central Costa Rica: a study of a chemically variable ash-flow sheet in the TiribÃ-Tuff. Bulletin of Volcanology, 2002, 64, 117-133.	3.0	48
9	Constraints on magma ascent, emplacement, and eruption: Geochemical and mineralogical data from drill-core samples at Obsidian dome, Inyo chain, California. Geology, 1987, 15, 405.	4.4	46
10	Origin of silicic magmas along the Central American volcanic front: Genetic relationship to mafic melts. Journal of Volcanology and Geothermal Research, 2006, 156, 217-228.	2.1	46
11	Structure and Stratigraphy Beneath a Young Phreatic Vent: South Inyo Crater, Long Valley Caldera, California. Journal of Geophysical Research, 1988, 93, 13208-13220.	3.3	45
12	Coexisting Acidic and Basic Melts: Geochemistry of a Composite Dike. Journal of Geology, 1978, 86, 353-371.	1.4	43
13	Magma batches in the Timber Mountain magmatic system, Southwestern Nevada Volcanic Field, Nevada, USA. Journal of Volcanology and Geothermal Research, 1997, 78, 185-208.	2.1	41
14	A model for the origin of the alkaline complexes of Egypt. Nature, 1981, 291, 571-574.	27.8	36
15	Magma mixing: the Marsco suite, Isle of Skye, Scotland. Contributions To Mineralogy and Petrology, 1984, 87, 231-241.	3.1	31
16	Chemical evolution of a magmatic system: The Paintbrush Tuff, Southwest Nevada Volcanic Field. Journal of Geophysical Research, 1989, 94, 5943-5960.	3.3	31
17	Magma mixing in the acidic-basic complex of Ardnamurchan: Implications on the evolution of shallow magma chambers. Contributions To Mineralogy and Petrology, 1982, 79, 411-423.	3.1	30
18	Origin of distinct silicic magma types from the GuachipelÃn Caldera, NW Costa Rica: Evidence for magma mixing and protracted subvolcanic residence. Journal of Volcanology and Geothermal Research, 2007, 165, 103-126.	2.1	29

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19	Evolution of a Chemically Zoned Magma Body: Black Mountain Volcanic Center, southwestern Nevada. Journal of Geophysical Research, 1989, 94, 6041-6058.	3.3	28
20	Origin of compositional heterogeneities in tuffs of the Timber Mountain Group: The relationship between magma batches and magma transfer and emplacement in an extensional environment. Journal of Geophysical Research, 1995, 100, 15793-15805.	3.3	28
21	Origin of silicic volcanism in the Panamanian arc: evidence for a two-stage fractionation process at El Valle volcano. Contributions To Mineralogy and Petrology, 2011, 162, 1115-1138.	3.1	28
22	Geochemistry of silicic magmas in the Macolod Corridor, SW Luzon, Philippines: evidence of distinct, mantle-derived, crustal sources for silicic magmas. Contributions To Mineralogy and Petrology, 2006, 151, 267-281.	3.1	27
23	Stratigraphic relations and source areas of ashâ€flow sheets of the Black Mountain and Stonewall Mountain Volcanic Centers, Nevada. Journal of Geophysical Research, 1984, 89, 8593-8602.	3.3	22
24	Petrochemistry of the silicic-mafic complexes at Vesturhorn and Austurhorn, Iceland: evidence for zoned/stratified magma. Journal of Volcanology and Geothermal Research, 1986, 28, 197-223.	2.1	19
25	Melt inclusions from chemically zoned ash flow sheets from the Southwest Nevada Volcanic Field. Journal of Geophysical Research, 1996, 101, 5591-5610.	3.3	19
26	Limits to Magma Mixing Based on Chemistry and Mineralogy of Pumice Fragments Erupted from a Chemically Zoned Magma Body. Journal of Geology, 1987, 95, 659-670.	1.4	18
27	Textural Variation in Petrogenetic Analyses. Bulletin of the Geological Society of America, 1972, 83, 665.	3.3	16
28	Evaluation of magma mixing and fractional crystallization using wholeâ€rock chemical analyses: Polytopic vector analyses. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	16
29	The Tichka Massif, Moroccoâ€"an example of contemporaneous acidic and basic plutonism. Lithos, 1975, 8, 29-38.	1.4	15
30	Magma mixing due to disruption of a layered magma body. Journal of Volcanology and Geothermal Research, 1989, 36, 241-255.	2.1	15
31	Origin of the late Paleozoic plutonic massifs in Morocco. Bulletin of the Geological Society of America, 1976, 87, 1753.	3.3	14
32	The origin of the acidic and basic rocks of the Tichka Massif, Morocco, based on rare earth elements. Contributions To Mineralogy and Petrology, 1980, 75, 89-95.	3.1	13
33	Identifying relationships among silicic magma batches by polytopic vector analysis: A study of the Topopah Spring and Pah Canyon ash-flow sheets of the southwest Nevada volcanic field. Journal of Volcanology and Geothermal Research, 2007, 167, 198-211.	2.1	13
34	Magmatic processes that generate chemically distinct silicic magmas in NW Costa Rica and the evolution of juvenile continental crust in oceanic arcs. Contributions To Mineralogy and Petrology, 2012, 163, 259-275.	3.1	11
35	Incremental growth of a large volume, chemically zoned magma body: a study of the tephra sequence beneath the Rainier Mesa ash flow sheet of the Timber Mountain Tuff. Bulletin of Volcanology, 1994, 56, 377-385.	3.0	10
36	Origin and emplacement of the andesite of Burroughs Mountain, a zoned, large-volume lava flow at Mount Rainier, Washington, USA. Journal of Volcanology and Geothermal Research, 2003, 119, 275-296.	2.1	9

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37	Grain boundary processes and development of metamorphic plagioclase. Lithos, 1973, 6, 183-202.	1.4	8
38	The basaltic to trachydacitic upper Diliman Tuff in Manila: Petrogenesis and comparison with deposits from Taal and Laguna Calderas. Journal of Volcanology and Geothermal Research, 2008, 177, 1020-1034.	2.1	4
39	Feldspar geothermometry of the Hell Canyon Pluton, Boulder Batholith, Montana. Contributions To Mineralogy and Petrology, 1979, 71, 151-155.	3.1	2