

# Herv Martin

## List of Publications by Citations

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48  
papers

8,417  
citations

30  
h-index

53  
g-index

53  
ext. papers

9,292  
ext. citations

3.2  
avg, IF

6.26  
L-index

#	Paper	IF	Citations
48	An overview of adakite, tonalite-trondhjemite-granodiorite (TTG), and sanukitoid: relationships and some implications for crustal evolution. <i>Lithos</i> , <b>2005</b> , 79, 1-24	2.9	1899
47	Adakitic magmas: modern analogues of Archaean granitoids. <i>Lithos</i> , <b>1999</b> , 46, 411-429	2.9	1230
46	Effect of steeper Archean geothermal gradient on geochemistry of subduction-zone magmas. <i>Geology</i> , <b>1986</b> , 14, 753	5	715
45	Forty years of TTG research. <i>Lithos</i> , <b>2012</b> , 148, 312-336	2.9	523
44	Petrogenesis of Archaean Trondhjemites, Tonalites, and Granodiorites from Eastern Finland: Major and Trace Element Geochemistry. <i>Journal of Petrology</i> , <b>1987</b> , 28, 921-953	3.9	442
43	Late Archaean (2550-2520 Ma) juvenile magmatism in the Eastern Dharwar craton, southern India: constraints from geochronology, Nd-Br isotopes and whole rock geochemistry. <i>Precambrian Research</i> , <b>2000</b> , 99, 225-254	3.9	412
42	The diversity and evolution of late-Archaean granitoids: Evidence for the onset of modern-style plate tectonics between 3.0 and 2.5 Ga. <i>Lithos</i> , <b>2014</b> , 205, 208-235	2.9	383
41	Secular changes in tonalite-trondhjemite-granodiorite composition as markers of the progressive cooling of Earth. <i>Geology</i> , <b>2002</b> , 30, 319	5	321
40	Late Archaean granites: a typology based on the Dharwar Craton (India). <i>Precambrian Research</i> , <b>2003</b> , 127, 103-123	3.9	288
39	Simple mixing as the major control of the evolution of volcanic suites in the Ecuadorian Andes. <i>Contributions To Mineralogy and Petrology</i> , <b>2010</b> , 160, 297-312	3.5	246
38	Why Archaean TTG cannot be generated by MORB melting in subduction zones. <i>Lithos</i> , <b>2014</b> , 198-199, 1-13	2.9	182
37	Multi-element geochemical modelling of crust-mantle interactions during late-Archaean crustal growth: the Closepet granite (South India). <i>Precambrian Research</i> , <b>2001</b> , 112, 87-105	3.9	168
36	Late Archaean crust-mantle interactions: geochemistry of LREE-enriched mantle derived magmas. Example of the Closepet batholith, southern India. <i>Contributions To Mineralogy and Petrology</i> , <b>1995</b> , 119, 314-329	3.5	165
35	Adakite-like Lavas from Antisana Volcano (Ecuador): Evidence for Slab Melt Metasomatism Beneath Andean Northern Volcanic Zone. <i>Journal of Petrology</i> , <b>2002</b> , 43, 199-217	3.9	161
34	Continent Formation in the Archean and Chemical Evolution of the Cratonic Lithosphere: Melt-Rock Reaction Experiments at 3-4 GPa and Petrogenesis of Archean Mg-Diorites (Sanukitoids). <i>Journal of Petrology</i> , <b>2010</b> , 51, 1237-1266	3.9	148
33	Hafnium isotope evidence from Archean granitic rocks for deep-mantle origin of continental crust. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 337-338, 211-223	5.3	138
32	Calc-Alkaline Magmatism at the Archean-Proterozoic Transition: the Caicó Complex Basement (NE Brazil). <i>Journal of Petrology</i> , <b>2007</b> , 48, 2149-2185	3.9	96

31	Syntectonic granite emplacement at different structural levels: the Closepet granite, South India. <i>Journal of Structural Geology</i> , <b>2003</b> , 25, 611-631	3	92
30	Temporal Evolution of Magmatism in the Northern Volcanic Zone of the Andes: The Geology and Petrology of Cayambe Volcanic Complex (Ecuador). <i>Journal of Petrology</i> , <b>2005</b> , 46, 2225-2252	3.9	81
29	Crustal growth in the 3.4-3.7 Ga São José de Campestre Massif, Borborema Province, NE Brazil. <i>Precambrian Research</i> , <b>2013</b> , 227, 120-156	3.9	62
28	Crustal evolution in the early Archaean of South America: example of the Sete Voltas Massif, Bahia State, Brazil. <i>Precambrian Research</i> , <b>1997</b> , 82, 35-62	3.9	62
27	Transition from calc-alkalic to adakitic magmatism at Cayambe volcano, Ecuador: Insights into slab melts and mantle wedge interactions. <i>Geology</i> , <b>2002</b> , 30, 967	5	54
26	Adakitic magmas in the Ecuadorian Volcanic Front: Petrogenesis of the Iliniza Volcanic Complex (Ecuador). <i>Journal of Volcanology and Geothermal Research</i> , <b>2007</b> , 159, 366-392	2.8	46
25	Differentiation of the late-Archaean sanukitoid series and some implications for crustal growth: Insights from geochemical modelling on the Bulai pluton, Central Limpopo Belt, South Africa. <i>Precambrian Research</i> , <b>2013</b> , 227, 186-203	3.9	45
24	Geochronology of granulites from the south Itabuna-Salvador-Curaçao Block, São Francisco Craton (Brazil): Nd isotopes and U/Pb zircon ages. <i>Journal of South American Earth Sciences</i> , <b>2011</b> , 31, 397-413	2	39
23	Evolution of the late Pleistocene Mojanda-Buya Fuya volcanic complex (Ecuador), by progressive adakitic involvement in mantle magma sources. <i>Bulletin of Volcanology</i> , <b>2009</b> , 71, 233-258	2.4	38
22	The geological roots of South America: 4.1 Ga and 3.7 Ga zircon crystals discovered in N.E. Brazil and N.W. Argentina. <i>Precambrian Research</i> , <b>2015</b> , 271, 49-55	3.9	36
21	Crustal evolution between 2.0 and 3.5 Ga in the southern Gavião block (Umburanas-Brumado-Aracatu region), São Francisco Craton, Brazil: A 3.5-3.8 Ga proto-crust in the Gavião block?. <i>Journal of South American Earth Sciences</i> , <b>2012</b> , 40, 129-142	2	33
20	Recycling of the Archaean continental crust: the case study of the Gavião, State of Bahia, NE Brazil. <i>Journal of South American Earth Sciences</i> , <b>1998</b> , 11, 487-498	2	33
19	Dynamic co-evolution of peptides and chemical energetics, a gateway to the emergence of homochirality and the catalytic activity of peptides. <i>Origins of Life and Evolution of Biospheres</i> , <b>2004</b> , 34, 35-55	1.5	30
18	Geochemical Modelling of Igneous Processes [Principles And Recipes in R Language <b>2016</b> ,		27
17	Evidence in Archaean Alkali Feldspar Megacrysts for High-Temperature Interaction with Mantle Fluids. <i>Journal of Petrology</i> , <b>2012</b> , 53, 67-98	3.9	27
16	Non-Newtonian effects during injection in partially crystallised magmas. <i>Journal of Volcanology and Geothermal Research</i> , <b>1996</b> , 71, 31-44	2.8	27
15	Could Iceland be a modern analogue for the Earth's early continental crust?. <i>Terra Nova</i> , <b>2008</b> , 20, 463-468		26
14	Petrogenesis of the late-orogenic Bravo granite and surrounding high-grade country rocks in the Palaeoproterozoic orogen of Itabuna-Salvador-Curaçao Block, Bahia, Brazil. <i>Precambrian Research</i> , <b>2008</b> , 167, 35-52	3.9	22

13	4. Building of a Habitable Planet. <i>Earth, Moon and Planets</i> , <b>2006</b> , 98, 97-151	0.6	22
12	Palaeoproterozoic dome-forming structures related to granulite-facies metamorphism, Jequiú block, Bahia, Brazil: petrogenetic approaches. <i>Precambrian Research</i> , <b>2004</b> , 135, 105-131	3.9	22
11	Petro-geochemical constraints on the source and evolution of magmas at El Misti volcano (Peru). <i>Lithos</i> , <b>2017</b> , 268-271, 240-259	2.9	16
10	The sanukitoid series: magmatism at the Archaean-Proterozoic transition <b>2010</b> ,		11
9	Comment on Continental geochemical signatures in dacites from Iceland and implications for models of early Archaean crust formation by Willbold, M., Hegner, E., Stracke A. and Rocholl A.. <i>Earth and Planetary Science Letters</i> , <b>2010</b> , 293, 218-219	5.3	9
8	6. Environmental Context. <i>Earth, Moon and Planets</i> , <b>2006</b> , 98, 205-245	0.6	9
7	Dubious case for slab melting in the Northern volcanic zone of the Andes: Comment and Reply. <i>Geology</i> , <b>2004</b> , 32, e46-e47	5	8
6	Geochronology and geochemistry of Meso- to Neoarchean magmatic epidote-bearing potassic granites, western Dharwar Craton (Bellur-Nagamangala-Pandavpura corridor), southern India: implications for the successive stages of crustal reworking and cratonization. <i>Geological Society Special Publication</i> , <b>2020</b> , 489, 79-114	1.7	8
5	Geochemical modelling of the tonalitic and trondhjemitic granulites from the Itabuna-Salvador-Curaçao Block, Bahia, Brazil. <i>Journal of South American Earth Sciences</i> , <b>2011</b> , 31, 312-323		6
4	IDADE Pb-Pb E ASSINATURA ISOTÓPICA Rb-Sr E Sm-Nd DO MAGMATISMO SIENÍTICO PALEOPROTEROZOICO NO SUL DO CINTURÃO METÁVEL SALVADOR-CURAUÇÓ, BAHIA. <i>Revista Brasileira De Geociências</i> , <b>2001</b> , 31, 397-400		5
3	Mineral-fluid interactions in the late Archean Closepet granite batholith, Dharwar Craton, southern India. <i>Geological Society Special Publication</i> , <b>2020</b> , 489, 293-314	1.7	4
2	Sanukitoid <b>2015</b> , 2228-2229		
1	High-temperature fluids in granites during the Neoarchean-Palaeoproterozoic transition: Insight from Closepet titanite chemistry and U-Pb dating (Dharwar craton, India). <i>Lithos</i> , <b>2021</b> , 386-387, 106039	2.9	