

# Antonio Acosta-Vigil

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1503158/publications.pdf>

Version: 2024-02-01

39  
papers

1,662  
citations

236925

25  
h-index

315739

38  
g-index

41  
all docs

41  
docs citations

41  
times ranked

896  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Late Cadomian rifting of the NW Gondwana margin and the reworking of Precambrian crust – evidence from bimodal magmatism in the early Paleozoic Moroccan Meseta. <i>International Geology Review</i> , 2021, 63, 2013-2036. | 2.1 | 13        |
| 2  | Alpine Metamorphism in the Betic Internal Zones. <i>Regional Geology Reviews</i> , 2019, , 519-544.   | 1.2 | 5         |
| 3  | Mesozoic and Cenozoic Magmatism in the Betics. <i>Regional Geology Reviews</i> , 2019, , 545-566.   | 1.2 | 1         |
| 4  | Geochemistry of Eocene-Early Oligocene low-temperature crustal melts from Greater Himalayan Sequence (Nepal): a nanogranitoid perspective. <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.                 | 3.1 | 19        |
| 5  | Geochemistry of phosphorus and the behavior of apatite during crustal anatexis: Insights from melt inclusions and nanogranitoids. <i>American Mineralogist</i> , 2019, 104, 1765-1780.                                      | 1.9 | 10        |
| 6  | Mapping the distribution of melt during anatexis at the source area of crustal granites by synchrotron $\mu$ -XRF. <i>American Mineralogist</i> , 2018, 103, 1719-1733.   | 1.9 | 0         |
| 7  | Multi-stage evolution of the lithospheric mantle beneath the westernmost Mediterranean: Geochemical constraints from peridotite xenoliths in the eastern Betic Cordillera (SE Spain). <i>Lithos</i> , 2017, 276, 75-89.     | 1.4 | 10        |
| 8  | Primary crustal melt compositions: Insights into the controls, mechanisms and timing of generation from kinetics experiments and melt inclusions. <i>Lithos</i> , 2017, 286-287, 454-479.                                   | 1.4 | 29        |
| 9  | Neoproterozoic granitoids in the basement of the Moroccan Central Meseta: Correlation with the Anti-Atlas at the NW paleo-margin of Gondwana. <i>Precambrian Research</i> , 2017, 299, 34-57.                               | 2.7 | 49        |
| 10 | Sr-Nd-Pb isotopic systematics of crustal rocks from the western Betics (S. Spain): Implications for crustal recycling in the lithospheric mantle beneath the westernmost Mediterranean. <i>Lithos</i> , 2017, 276, 45-61.   | 1.4 | 16        |
| 11 | Flow in the western Mediterranean shallow mantle: Insights from xenoliths in Pliocene alkali basalts from SE Iberia (eastern Betics, Spain). <i>Tectonics</i> , 2016, 35, 2657-2676.  | 2.8 | 10        |
| 12 | Using nanogranitoids and phase equilibria modeling to unravel anatexis in the crustal footwall of the Ronda peridotites (Betic Cordillera, S Spain). <i>Lithos</i> , 2016, 256-257, 282-299.                                | 1.4 | 28        |
| 13 | Granitoid magmas preserved as melt inclusions in high-grade metamorphic rock. <i>American Mineralogist</i> , 2016, 101, 1543-1559.  | 1.9 | 84        |
| 14 | Serpentinization-driven extension in the Ronda mantle slab (Betic Cordillera, S. Spain). <i>Gondwana Research</i> , 2016, 37, 205-215.  | 6.0 | 6         |
| 15 | The composition of nanogranitoids in migmatites overlying the Ronda peridotites (Betic Cordillera, S) <i>Petrology</i> , 2016, 171, 1.  | 3.1 | 43        |
| 16 | Hyperextension of continental to oceanic-like lithosphere: The record of late gabbros in the shallow subcontinental lithospheric mantle of the westernmost Mediterranean. <i>Tectonophysics</i> , 2015, 650, 65-79.         | 2.2 | 22        |
| 17 | What can we learn from melt inclusions in migmatites and granulites?. <i>Lithos</i> , 2015, 239, 186-216.   | 1.4 | 111       |
| 18 | On the stability of magmatic cordierite and new thermobarometric equations for cordierite-saturated liquids. <i>Contributions To Mineralogy and Petrology</i> , 2014, 167, 1.   | 3.1 | 10        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Age of anatexis in the crustal footwall of the Ronda peridotites, S Spain. <i>Lithos</i> , 2014, 210-211, 147-167.   | 1.4 | 43        |
| 20 | Microstructures and petrology of melt inclusions in the anatectic sequence of Jubrique (Betic) Tj ETQq0 0 0 rgBT /Overlock 10, Tf 50 702   | 1.4 | 37        |
| 21 | The H <sub>2</sub> O content of granite embryos. <i>Earth and Planetary Science Letters</i> , 2014, 395, 281-290.  | 4.4 | 64        |
| 22 | Recovering the composition of melt and the fluid regime at the onset of crustal anatexis and S-type granite formation. <i>Geology</i> , 2013, 41, 115-118.   | 4.4 | 84        |
| 23 | Phase equilibria constraints on melting of stromatic migmatites from <sc>R</sc>onda (S.) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 100 1000<br>2013, 31, 775-789.   | 3.4 | 39        |
| 24 | Nanogranite inclusions in migmatitic garnet: behavior during pistonâ€cylinder remelting experiments. <i>Geofluids</i> , 2013, 13, 405-420.   | 0.7 | 54        |
| 25 | Experimental simulations of anatexis and assimilation involving metapelite and granitic melt. <i>Lithos</i> , 2012, 153, 292-307.  | 1.4 | 30        |
| 26 | Chemical diffusion of major components in granitic liquids: Implications for the rates of homogenization of crustal melts. <i>Lithos</i> , 2012, 153, 308-323.   | 1.4 | 27        |
| 27 | The Extent of Equilibration between Melt and Residuum during Regional Anatexis and its Implications for Differentiation of the Continental Crust: a Study of Partially Melted Metapelitic Enclaves. <i>Journal of Petrology</i> , 2012, 53, 1319-1356.                                     | 2.8 | 47        |
| 28 | Microstructures of melt inclusions in anatectic metasedimentary rocks. <i>Journal of Metamorphic Geology</i> , 2012, 30, 303-322.  | 3.4 | 108       |
| 29 | Mechanisms of Crustal Anatexis: a Geochemical Study of Partially Melted Metapelitic Enclaves and Host Dacite, SE Spain. <i>Journal of Petrology</i> , 2010, 51, 785-821.   | 2.8 | 136       |
| 30 | Diffusive equilibration between hydrous metaluminous-peraluminous haplogranite liquid couples at 200â€MPa (H <sub>2</sub> O) and alkali transport in granitic liquids. <i>Contributions To Mineralogy and Petrology</i> , 2008, 155, 257-269.  | 3.1 | 31        |
| 31 | Immiscibility between carbonic fluids and granitic melts during crustal anatexis: A fluid and melt inclusion study in the enclaves of the Neogene Volcanic Province of SE Spain. <i>Chemical Geology</i> , 2007, 237, 433-449.   | 3.3 | 58        |
| 32 | Microstructures and composition of melt inclusions in a crustal anatectic environment, represented by metapelitic enclaves within El Hoyazo dacites, SE Spain. <i>Chemical Geology</i> , 2007, 237, 450-465.   | 3.3 | 69        |
| 33 | Experiments on the kinetics of partial melting of a leucogranite at 200â€MPa H <sub>2</sub> O and 690â€–800â€C: compositional variability of melts during the onset of H <sub>2</sub> O-saturated crustal anatexis. <i>Contributions To Mineralogy and Petrology</i> , 2006, 151, 539-557. | 3.1 | 71        |
| 34 | Dissolution of Quartz, Albite, and Orthoclase in H <sub>2</sub> O-Saturated Haplogranitic Melt at 800â€C and 200 MPa: Diffusive Transport Properties of Granitic Melts at Crustal Anatectic Conditions. <i>Journal of Petrology</i> , 2006, 47, 231-254.                                   | 2.8 | 45        |
| 35 | Contrasting interactions of sodium and potassium with H <sub>2</sub> O in haplogranitic liquids and glasses at 200â€MPa from hydrationâ€diffusion experiments. <i>Contributions To Mineralogy and Petrology</i> , 2005, 149, 276-287.  | 3.1 | 27        |
| 36 | Solubility of excess alumina in hydrous granitic melts in equilibrium with peraluminous minerals at 700â€–800â€C and 200â€MPa, and applications of the aluminum saturation index. <i>Contributions To Mineralogy and Petrology</i> , 2003, 146, 100-119.                                   | 3.1 | 95        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Dissolution of Corundum and Andalusite in H <sub>2</sub> O-Saturated Haplogranitic Melts at 800°C and 200 MPa: Constraints on Diffusivities and the Generation of Peraluminous Melts. <i>Journal of Petrology</i> , 2002, 43, 1885-1908. | 2.8 | 54        |
| 38 | Contrasting behaviour of boron during crustal anatexis. <i>Lithos</i> , 2001, 56, 15-31.   | 1.4 | 33        |
| 39 | Melt inclusions in migmatites and granulites. <i>Journal of the Virtual Explorer</i> , 0, 38, .  | 0.0 | 43        |