# Claudia Adam

## List of Publications by Citations



| | | | |
|---|---|---|---|
| 22 papers | 381 citations | 12 h-index | 19 g-index |
| 33 ext. papers | 432 ext. citations | 6.3 avg, IF | 3.44 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 22 | Hotspot swells revisited. *Physics of the Earth and Planetary Interiors*, **2014**, 235, 66-83 | 2.3 | 69 |
| 21 | Backarc rifting, constructional volcanism and nascent disorganised spreading in the southern Havre Trough backarc rifts (SW Pacific). *Journal of Volcanology and Geothermal Research*, **2010**, 190, 39-57 | 2.8 | 42 |
| 20 | Extent of the South Pacific Superswell. *Journal of Geophysical Research*, **2005**, 110, | | 34 |
| 19 | MiFil: A method to characterize seafloor swells with application to the south central Pacific. *Geochemistry, Geophysics, Geosystems*, **2005**, 6, n/a-n/a | 3.6 | 27 |
| 18 | South Pacific hotspot swells dynamically supported by mantle flows. *Geophysical Research Letters*, **2010**, 37, | 4.9 | 26 |
| 17 | 80-Myr history of buoyancy and volcanic fluxes along the trails of the Walvis and St. Helena hotspots (South Atlantic). *Earth and Planetary Science Letters*, **2007**, 261, 432-442 | 5.3 | 26 |
| 16 | Geodynamic modeling of the South Pacific superswell. *Physics of the Earth and Planetary Interiors*, **2014**, 229, 24-39 | 2.3 | 25 |
| 15 | Mantle flow drives the subsidence of oceanic plates. *Science*, **2010**, 328, 83-5 | 33.3 | 23 |
| 14 | Seismicity along the Azores-Gibraltar region and global plate kinematics. *Journal of Seismology*, **2014**, 18, 205-220 | 1.5 | 21 |
| 13 | Mantle dynamics and characteristics of the Azores plateau. *Earth and Planetary Science Letters*, **2013**, 362, 258-271 | 5.3 | 19 |
| 12 | Geochemical diversity in submarine HIMU basalts from Austral Islands, French Polynesia. *Contributions To Mineralogy and Petrology*, **2013**, 166, 1285-1304 | 3.5 | 14 |
| 11 | Heat flow variations on a slowly accreting ridge: Constraints on the hydrothermal and conductive cooling for the Lucky Strike segment (Mid-Atlantic Ridge, 37°N). *Geochemistry, Geophysics, Geosystems*, **2006**, 7, n/a-n/a | 3.6 | 14 |
| 10 | Refined models of gravitational potential energy compared with stress and strain rate patterns in Iberia. *Journal of Geodynamics*, **2014**, 81, 91-104 | 2.2 | 8 |
| 9 | Variation of the subsidence parameters, effective thermal conductivity, and mantle dynamics. *Earth and Planetary Science Letters*, **2015**, 426, 130-142 | 5.3 | 7 |
| 8 | No thinning of the lithosphere beneath northern part of the Cook-Austral volcanic chains. *Journal of Geophysical Research*, **2008**, 113, | | 7 |
| 7 | Pyroxenite causes fat plumes and stagnant slabs. *Geophysical Research Letters*, **2017**, 44, 4730-4737 | 4.9 | 6 |
| 6 | A simple way to prepare palladium nanoparticles decorated with cyclodextrins and ionic liquid. The effects of coating on the catalytic activity and colloidal stability. *Journal of Molecular Liquids*, **2020**, 304, 112725 | 6 | 4 |

| | | | |
|---|---|---|---|
| 5 | Dots-and-Lines Approach to Subduction Volcanism and Tectonics. *Journal of Geography (Chigaku Zasshi)*, **2017**, 126, 181-193 | 0.5 | 3 |
| 4 | Insights for the melt migration, the volcanic activity and the ultrafast lithosphere delamination related to the Yellowstone plume (Western USA). *Geophysical Journal International*, **2015**, 203, 1274-1301 | 2.6 | 3 |
| 3 | Response to Comment on "Mantle Flow Drives the Subsidence of Oceanic Plates". *Science*, **2011**, 331, 1011-1011 | 33.3 | 3 |
| 2 | Mantle temperature and density anomalies: The influence of thermodynamic formulation, melt, and anelasticity. *Physics of the Earth and Planetary Interiors*, **2021**, 319, 106772 | 2.3 | 0 |
| 1 | Lithosphere Destabilization and Small-Scale Convection Constrained From Geophysical Data and Analogical Models. *Geochemistry, Geophysics, Geosystems*, **2021**, 22, e2020GC009462 | 3.6 | |