

# Daniele Morgavi

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

383  
citations

759233

12  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

361  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Approximate chemical analysis of volcanic glasses using Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , 2015, 46, 1235-1244.  | 2.5 | 53        |
| 2  | Interactions between rhyolitic and basaltic melts unraveled by chaotic mixing experiments. <i>Chemical Geology</i> , 2013, 346, 199-212.   | 3.3 | 44        |
| 3  | Time evolution of chemical exchanges during mixing of rhyolitic and basaltic melts. <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 615-638.   | 3.1 | 39        |
| 4  | The unexpected explosive sub-Plinian eruption of Calbuco volcano (22â€“23 April 2015; southern Chile): Triggering mechanism implications. <i>Journal of Volcanology and Geothermal Research</i> , 2019, 378, 35-50.                    | 2.1 | 31        |
| 5  | The Grizzly Lake complex (Yellowstone Volcano, USA): Mixing between basalt and rhyolite unraveled by microanalysis and X-ray microtomography. <i>Lithos</i> , 2016, 260, 457-474.  | 1.4 | 26        |
| 6  | Role of magma mixing in the pre-eruptive dynamics of the Aeolian Islands volcanoes (Southern Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 54   | 1.4 | 26        |
| 7  | Dynamics and time evolution of a shallow plumbing system: The 1739 and 1888â€“90 eruptions, Vulcano Island, Italy. <i>Journal of Volcanology and Geothermal Research</i> , 2015, 306, 74-82.   | 2.1 | 24        |
| 8  | Exponential decay of concentration variance during magma mixing: Robustness of a volcanic chronometer and implications for the homogenization of chemical heterogeneities in magmatic systems. <i>Lithos</i> , 2017, 286-287, 396-407. | 1.4 | 22        |
| 9  | Morphochemistry of patterns produced by mixing of rhyolitic and basaltic melts. <i>Journal of Volcanology and Geothermal Research</i> , 2013, 253, 87-96.  | 2.1 | 20        |
| 10 | Enhancement of eruption explosivity by heterogeneous bubble nucleation triggered by magma mingling. <i>Scientific Reports</i> , 2017, 7, 16897.  | 3.3 | 18        |
| 11 | Magma Mixing: History and Dynamics of an Eruption Trigger. <i>Advances in Volcanology</i> , 2017, , 123-137.   | 1.1 | 17        |
| 12 | Retrieving magma composition from TIR spectra: implications for terrestrial planets investigations. <i>Scientific Reports</i> , 2019, 9, 15200.  | 3.3 | 13        |
| 13 | Pre-eruptive conditions and triggering mechanism of the ~â€%16Âka Santa BÃrbara explosive eruption of Sete Cidades Volcano (SÃo Miguel, Azores). <i>Contributions To Mineralogy and Petrology</i> , 2019, 174, 1.                      | 3.1 | 12        |
| 14 | Decrypting Magma Mixing in Igneous Systems. <i>Reviews in Mineralogy and Geochemistry</i> , 2022, 87, 607-638.   | 4.8 | 9         |
| 15 | An experimental device for characterizing degassing processes and related elastic fingerprints: Analog volcano seismo-acoustic observations. <i>Review of Scientific Instruments</i> , 2018, 89, 055102.                               | 1.3 | 7         |
| 16 | Centennial-scale eruptive diversity at VolcÃn Calbuco (41.3Â°S; Northwest Patagonia) deduced from historic tephra cover-bed and dendrochronologic archives. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 417, 107281. | 2.1 | 7         |
| 17 | Rheological evolution of eruptible Basaltic-Andesite Magmas under dynamic conditions: The importance of plagioclase growth rates. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 420, 107411.                           | 2.1 | 5         |
| 18 | Calibrating Carbonization Temperatures of Wood Fragments Embedded within Pyroclastic Density Currents through Raman Spectroscopy. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 203.  | 2.0 | 4         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Volcanic ash aggregation enhanced by seawater interaction: the case of Secche di Lazzaro phreatomagmatic deposit (Stromboli). <i>Annals of Geophysics</i> , 2019, 61, .               | 1.0 | 3         |
| 20 | Rifting and recharge as triggers of the mixed basaltic-rhyolite Halarauur ignimbrite eruption (Krafla, Iceland). <i>Journal of Volcanology and Geothermal Research</i> , 2019, 371, . | 3.1 | 10        |