

# Joan AndÃ³jar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/472819/publications.pdf>

Version: 2024-02-01

22  
papers

603  
citations

687363

13  
h-index

677142

22  
g-index

22  
all docs

22  
docs citations

22  
times ranked

788  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the conditions of magma mixing and its bearing on andesite production in the crust. <i>Nature Communications</i> , 2014, 5, 5607.	12.8	77
2	Experimental constraints on pre-eruptive conditions of phonolitic magma from the caldera-forming El Abrigo eruption, Tenerife (Canary Islands). <i>Chemical Geology</i> , 2008, 257, 173-191.	3.3	60
3	Relationships between pre-eruptive conditions and eruptive styles of phonolite-trachyte magmas. <i>Lithos</i> , 2012, 152, 122-131.	1.4	53
4	Differentiation Conditions of a Basaltic Magma from Santorini, and its Bearing on the Production of Andesite in Arc Settings. <i>Journal of Petrology</i> , 2015, 56, 765-794.	2.8	51
5	Assessing the potential for future explosive activity from Teide-Pico Viejo stratovolcanoes (Tenerife, Canary Islands). <i>Journal of Volcanology and Geothermal Research</i> , 2014, 271, 1-12.	2.1	49
6	Magma storage conditions of the last eruption of Teide volcano (Canary Islands, Spain). <i>Bulletin of Volcanology</i> , 2010, 72, 381-395.	3.0	44
7	Megacrystals track magma convection between reservoir and surface. <i>Earth and Planetary Science Letters</i> , 2015, 413, 1-12.	4.4	35
8	Experimental Constraints on Parameters Controlling the Difference in the Eruptive Dynamics of Phonolitic Magmas: the Case of Tenerife (Canary Islands). <i>Journal of Petrology</i> , 2012, 53, 1777-1806.	2.8	34
9	Structure of the Plumbing System at Tungurahua Volcano, Ecuador: Insights from Phase Equilibrium Experiments on July-August 2006 Eruption Products. <i>Journal of Petrology</i> , 2017, 58, 1249-1278.	2.8	32
10	Generation Conditions of Dacite and Rhyodacite via the Crystallization of an Andesitic Magma. Implications for the Plumbing System at Santorini (Greece) and the Origin of Tholeiitic or Calc-alkaline Differentiation Trends in Arc Magmas. <i>Journal of Petrology</i> , 2016, 57, 1887-1920.	2.8	31
11	Phase Equilibria of Pantelleria Trachytes (Italy): Constraints on Pre-eruptive Conditions and on the Metaluminous to Peralkaline Transition in Silicic Magmas. <i>Journal of Petrology</i> , 2018, 59, 559-588.	2.8	28
12	Storage conditions and eruptive dynamics of central versus flank eruptions in volcanic islands: The case of Tenerife (Canary Islands, Spain). <i>Journal of Volcanology and Geothermal Research</i> , 2013, 260, 62-79.	2.1	26
13	Experimental mixing of hydrous magmas. <i>Chemical Geology</i> , 2015, 418, 158-170.	3.3	15
14	Mediterranean basin basalts as potential materials for thermal energy storage in concentrated solar plants. <i>Solar Energy Materials and Solar Cells</i> , 2017, 171, 50-59.	6.2	15
15	Storage conditions of the mafic and silicic magmas at Cotopaxi, Ecuador. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 354, 74-86.	2.1	14
16	Experimental and thermodynamic constraints on mineral equilibrium in pantelleritic magmas. <i>Lithos</i> , 2020, 376-377, 105793.	1.4	9
17	Controls of magma chamber zonation on eruption dynamics and deposits stratigraphy: The case of El Palomar fallout succession (Tenerife, Canary Islands). <i>Journal of Volcanology and Geothermal Research</i> , 2020, 399, 106908.	2.1	9
18	Spectral Emissivity of Phonolite Lava at High Temperature. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-15.	6.3	5

#	ARTICLE	IF	CITATIONS
19	Experimental determination of H <sub>2</sub> O and CO <sub>2</sub> solubilities of mafic alkaline magmas from Canary Islands. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 289-314.	1.2	5
20	Pre-eruptive conditions at satellite vent eruptions at Teide-Pico Viejo complex (Tenerife, Canary) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70</i>	1.4	4
21	Water solubility in trachytic and pantelleritic melts: an experimental study. <i>Comptes Rendus - Geoscience</i> , 2021, 353, 315-331.	1.2	4
22	High temperature spectral emissivity of glass and crystal-bearing basalts. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 430, 107623.	2.1	3