

# Elisabetta Del Bello

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1458177/publications.pdf>

Version: 2024-02-01

27  
papers

833  
citations

471509

17  
h-index

552781

26  
g-index

33  
all docs

33  
docs citations

33  
times ranked

751  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                 | IF   | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | High-speed imaging of Strombolian explosions: The ejection velocity of pyroclasts. <i>Geophysical Research Letters</i> , 2012, 39, .                                                                                    | 4.0  | 94        |
| 2  | Aggregation-dominated ash settling from the Eyjafjallajökull volcanic cloud illuminated by field and laboratory high-speed imaging. <i>Geology</i> , 2011, 39, 891-894.                                                 | 4.4  | 88        |
| 3  | An analytical model for gas overpressure in slug-driven explosions: Insights into Strombolian volcanic eruptions. <i>Journal of Geophysical Research</i> , 2012, 117, .                                                 | 3.3  | 77        |
| 4  | The thickness of the falling film of liquid around a Taylor bubble. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2012, 468, 1041-1064.                                  | 2.1  | 70        |
| 5  | Integrating puffing and explosions in a general scheme for Strombolian-style activity. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 1860-1875.                                                      | 3.4  | 48        |
| 6  | Viscous plugging can enhance and modulate explosivity of strombolian eruptions. <i>Earth and Planetary Science Letters</i> , 2015, 423, 210-218.                                                                        | 4.4  | 47        |
| 7  | Mush cannibalism and disruption recorded by clinopyroxene phenocrysts at Stromboli volcano: New insights from recent 2003-2017 activity. <i>Lithos</i> , 2020, 360-361, 105440.                                         | 1.4  | 35        |
| 8  | Uncovering the eruptive patterns of the 2019 double-Paroxysm eruption crisis of Stromboli volcano. <i>Nature Communications</i> , 2021, 12, 4213.                                                                       | 12.8 | 35        |
| 9  | High-speed imaging, acoustic features, and aeroacoustic computations of jet noise from Strombolian (and Vulcanian) explosions. <i>Geophysical Research Letters</i> , 2014, 41, 3096-3102.                               | 4.0  | 34        |
| 10 | In-flight dynamics of volcanic ballistic projectiles. <i>Reviews of Geophysics</i> , 2017, 55, 675-718.                                                                                                                 | 23.0 | 32        |
| 11 | Effect of particle volume fraction on the settling velocity of volcanic ash particles: insights from joint experimental and numerical simulations. <i>Scientific Reports</i> , 2017, 7, 39620.                          | 3.3  | 31        |
| 12 | The 2013 eruption of Chaparrastique volcano (El Salvador): Effects of magma storage, mixing, and decompression. <i>Chemical Geology</i> , 2017, 448, 110-122.                                                           | 3.3  | 30        |
| 13 | Characteristics of puffing activity revealed by ground-based, thermal infrared imaging: the example of Stromboli Volcano (Italy). <i>Bulletin of Volcanology</i> , 2017, 79, 1.                                         | 3.0  | 28        |
| 14 | New petrological constraints on the last eruptive phase of the Sabatini Volcanic District (central Tj ETQq0 0 0 rgBT <sub>1</sub> /Overlock, 10 Tf 50 2                                                                 | 1.4  | 24        |
| 15 | The Initial Development of Transient Volcanic Plumes as a Function of Source Conditions. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9784-9803.                                                    | 3.4  | 24        |
| 16 | Experimental simulations of volcanic ash resuspension by wind under the effects of atmospheric humidity. <i>Scientific Reports</i> , 2018, 8, 14509.                                                                    | 3.3  | 23        |
| 17 | Fracturing and healing of basaltic magmas during explosive volcanic eruptions. <i>Nature Geoscience</i> , 2021, 14, 248-254.                                                                                            | 12.9 | 21        |
| 18 | Unoccupied Aircraft Systems (UASs) Reveal the Morphological Changes at Stromboli Volcano (Italy) before, between, and after the 3 July and 28 August 2019 Paroxysmal Eruptions. <i>Remote Sensing</i> , 2021, 13, 2870. | 4.0  | 18        |

| #  | ARTICLE                                                                                                                                                                                                           | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Time-series analysis of fissure-fed multi-vent activity: a snapshot from the July 2014 eruption of Etna volcano (Italy). <i>Bulletin of Volcanology</i> , 2017, 79, 1.                                            | 3.0 | 16        |
| 20 | Experimental investigation of the aggregation&#x2013;disaggregation of colliding volcanic ash particles in turbulent, low&#x2013;humidity suspensions. <i>Geophysical Research Letters</i> , 2015, 42, 1068-1075. | 4.0 | 13        |
| 21 | Field-based measurements of volcanic ash resuspension by wind. <i>Earth and Planetary Science Letters</i> , 2021, 554, 116684.                                                                                    | 4.4 | 11        |
| 22 | 3&#x2013;D high&#x2013;speed imaging of volcanic bomb trajectory in basaltic explosive eruptions. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 4268-4275.                                              | 2.5 | 10        |
| 23 | Volcanic Vortex Rings: Axial Dynamics, Acoustic Features, and Their Link to Vent Diameter and Supersonic Jet Flow. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092899.                                 | 4.0 | 9         |
| 24 | Multi-parametric characterization of explosive activity at Batu Tara Volcano (Flores Sea, Indonesia). <i>Journal of Volcanology and Geothermal Research</i> , 2021, 413, 107199.                                  | 2.1 | 6         |
| 25 | The dynamics of explosive mafic eruptions: New insights from multiparametric observations. , 2021, , 379-411.                                                                                                     |     | 4         |
| 26 | Transnational Access to Research Facilities: an EPOS service to promote multi&#x2013;domain Solid Earth Sciences in Europe. <i>Annals of Geophysics</i> , 2022, 65, DM214.                                        | 1.0 | 3         |
| 27 | Like a cannonball: origin of dense spherical basaltic ejecta. <i>Bulletin of Volcanology</i> , 2017, 79, 1.                                                                                                       | 3.0 | 2         |