

# MarÃ-a Charco

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

257  
citations

933447

10  
h-index

940533

16  
g-index

22  
all docs

22  
docs citations

22  
times ranked

217  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Time-Scales of Inter-Eruptive Volcano Uplift Signals: Three Sisters Volcanic Center, Oregon (United Tj ETQq1 1 0.784314 rgBJ /Overlo  | 1.8 | 5         |
| 2  | Magma Flow Rates and Temporal Evolution of the 2012â€“2014 Postâ€“Eruptive Intrusions at El Hierro, Canary Islands. Journal of Geophysical Research: Solid Earth, 2019, 124, 12576-12592.   | 3.4 | 5         |
| 3  | Introduction to Mathematics and Geosciences: Global and Local Perspectives, Volume II. Pure and Applied Geophysics, 2016, 173, 731-737.   | 1.9 | 0         |
| 4  | Perturbing effects of sub-lithospheric mass anomalies in GOCE gravity gradient and other gravity data modelling: Application to the Atlantic-Mediterranean transition zone. International Journal of Applied Earth Observation and Geoinformation, 2015, 35, 54-69. | 2.8 | 27        |
| 5  | Efficient inversion of three-dimensional finite element models of volcano deformation. Geophysical Journal International, 2014, 196, 1441-1454.   | 2.4 | 13        |
| 6  | 3D analytical and numerical modelling of the regional topography influence on the surface deformation due to underground heat source. Contributions To Geophysics and Geodesy, 2011, 41, 251-265.   | 0.6 | 1         |
| 7  | Finite Element Numerical Solution for Modelling Ground Deformation in Volcanic Areas. Understanding Complex Systems, 2011, , 223-237.   | 0.6 | 0         |
| 8  | Spatiotemporal gravity changes on volcanoes: Assessing the importance of topography. Geophysical Research Letters, 2009, 36, .  | 4.0 | 10        |
| 9  | Topography and self-gravitation interaction in elastic-gravitational modeling. Geochemistry, Geophysics, Geosystems, 2007, 8, n/a-n/a.  | 2.5 | 8         |
| 10 | Threeâ€“dimensional indirect boundary element method for deformation and gravity changes in volcanic areas: Application to Teide volcano (Tenerife, Canary Islands). Journal of Geophysical Research, 2007, 112, .  | 3.3 | 11        |
| 11 | Some Insights into Topographic, Elastic and Self-gravitation Interaction in Modelling Ground Deformation and Gravity Changes in Active Volcanic Areas. Pure and Applied Geophysics, 2007, 164, 865-878.   | 1.9 | 11        |
| 12 | Interpretation of 1992â€“1994 Gravity Changes around Mayon Volcano, Philippines, Using Point Sources. Pure and Applied Geophysics, 2007, 164, 733-749.  | 1.9 | 11        |
| 13 | On the relative importance of self-gravitation and elasticity in modeling volcanic ground deformation and gravity changes. Journal of Geophysical Research, 2006, 111, n/a-n/a.   | 3.3 | 15        |
| 14 | A revision of the FORTRAN codes GRAVW to compute deformation produced by a point magma intrusion in elastic-gravitational layered earth models. Computers and Geosciences, 2006, 32, 275-281.   | 4.2 | 9         |
| 15 | Volcanic source inversion using a genetic algorithm and an elastic-gravitational layered earth model for magmatic intrusions. Computers and Geosciences, 2004, 30, 985-1001.  | 4.2 | 27        |
| 16 | GPS Monitoring in the N-W Part of the Volcanic Island of Tenerife, Canaries, Spain: Strategy and Results. Pure and Applied Geophysics, 2004, 161, 1359-1377.  | 1.9 | 20        |
| 17 | Study of Volcanic Sources at Long Valley Caldera, California, Using Gravity Data and a Genetic Algorithm Inversion Technique. Pure and Applied Geophysics, 2004, 161, 1399-1413.  | 1.9 | 3         |
| 18 | New Results at Mayon, Philippines, from a Joint Inversion of Gravity and Deformation Measurements. Pure and Applied Geophysics, 2004, 161, 1433-1452.   | 1.9 | 19        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Joint interpretation of displacement and gravity data in volcanic areas. A test example: Long Valley Caldera, California. <i>Geophysical Research Letters</i> , 2001, 28, 1063-1066. | 4.0 | 26        |
| 20 | Inflation or deflation? New results for Mayon Volcano applying elastic-gravitational modeling. <i>Geophysical Research Letters</i> , 2001, 28, 2349-2352.                            | 4.0 | 36        |