# Joao C Duarte

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1199560/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 37 papers | 1,392 citations | 279798 23 h-index | 330143 37 g-index |
| 57 all docs | 57 docs citations | 57 times ranked | 1454 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Polarity-reversal subduction zone initiation triggered by buoyant plateau obstruction. Earth and Planetary Science Letters, 2022, 577, 117195. | 4.4 | 22 |
| 2 | Self-replicating subduction zone initiation by polarity reversal. Communications Earth & Environment, 2022, 3, . | 6.8 | 9 |
| 3 | The Climates of Earthâ€™s Next Supercontinent: Effects of Tectonics, Rotation Rate, and Insolation. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009983. | 2.5 | 2 |
| 4 | Weak tides during Cryogenian glaciations. Nature Communications, 2020, 11, 6227. | 12.8 | 8 |
| 5 | Back to the future II: tidal evolution of four supercontinent scenarios. Earth System Dynamics, 2020, 11, 291-299. | 7.1 | 11 |
| 6 | Dynamics of the Gibraltar Arc System: A Complex Interaction Between Plate Convergence, Slab Pull, and Mantle Flow. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018873. | 3.4 | 15 |
| 7 | Pacific subduction control on Asian continental deformation including Tibetan extension and eastward extrusion tectonics. Nature Communications, 2019, 10, 4480. | 12.8 | 65 |
| 8 | Analogue modelling of brittle shear zone propagation across upper crustal morpho-rheological heterogeneities. Journal of Structural Geology, 2019, 126, 175-197. | 2.3 | 7 |
| 9 | Marine Transform Faults and Fracture Zones: A Joint Perspective Integrating Seismicity, Fluid Flow and Life. Frontiers in Earth Science, 2019, 7, . | 1.8 | 46 |
| 10 | Is There a Tectonically Driven Supertidal Cycle?. Geophysical Research Letters, 2018, 45, 3568-3576. | 4.0 | 33 |
| 11 | The future of Earth's oceans: consequences of subduction initiation in the Atlantic and implications for supercontinent formation. Geological Magazine, 2018, 155, 45-58. | 1.5 | 27 |
| 12 | Back to the future: Testing different scenarios for the next supercontinent gathering. Global and Planetary Change, 2018, 169, 133-144. | 3.5 | 21 |
| 13 | Analogue modelling of thrust systems: Passive vs. active hanging wall strain accommodation and sharp vs. smooth fault-ramp geometries. Journal of Structural Geology, 2017, 99, 45-69. | 2.3 | 16 |
| 14 | Recent uplift of the Atlantic Atlas (offshore West Morocco): Tectonic arch and submarine terraces. Tectonophysics, 2017, 706-707, 46-58. | 2.2 | 14 |
| 15 | Topography of the Overriding Plate During Progressive Subduction: A Dynamic Model to Explain Forearc Subsidence. Geophysical Research Letters, 2017, 44, 9632-9643. | 4.0 | 13 |
| 16 | Micro-seismicity in the Gulf of Cadiz: Is there a link between micro-seismicity, high magnitude earthquakes and active faults?. Tectonophysics, 2017, 717, 226-241. | 2.2 | 42 |
| 17 | The variation of crustal stretching and different modes of rifting along the Australian southern continental margin. Australian Journal of Earth Sciences, 2016, 63, 159-174. | 1.0 | 7 |
| 18 | Mantle plumes in the vicinity of subduction zones. Earth and Planetary Science Letters, 2016, 454, 166-177. | 4.4 | 24 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Lithospheric deformation in the Africaâ€Iberia plate boundary: Improved neotectonic modeling testing a basalâ€driven Alboran plate. Journal of Geophysical Research: Solid Earth, 2016, 121, 6566-6596. | 3.4 | 42 |
| 20 | Does subduction-induced mantle flow drive backarc extension?. Earth and Planetary Science Letters, 2016, 441, 200-210. | 4.4 | 67 |
| 21 | Geodynamic models of continental subduction and obduction of overriding plate forearc oceanic lithosphere on top of continental crust. Tectonics, 2015, 34, 1494-1515. | 2.8 | 24 |
| 22 | Overriding plate deformation and variability of foreâ€arc deformation during subduction: Insight from geodynamic models and application to the <scp>C</scp>alabria subduction zone. Geochemistry, Geophysics, Geosystems, 2015, 16, 3697-3715. | 2.5 | 26 |
| 23 | A twoâ€way interaction between the Hainan plume and the Manila subduction zone. Geophysical Research Letters, 2015, 42, 5796-5802. | 4.0 | 17 |
| 24 | Quantifying the energy dissipation of overriding plate deformation in threeâ€dimensional subduction models. Journal of Geophysical Research: Solid Earth, 2015, 120, 519-536. | 3.4 | 13 |
| 25 | Capture of the Canary mantle plume material by the Gibraltar arc mantle wedge during slab rollback. Geophysical Journal International, 2015, 201, 1717-1721. | 2.4 | 24 |
| 26 | Analogue modelling of different angle thrust-wrench fault interference in a brittle medium. Journal of Structural Geology, 2015, 74, 81-104. | 2.3 | 23 |
| 27 | How weak is the subduction zone interface?. Geophysical Research Letters, 2015, 42, 2664-2673. | 4.0 | 52 |
| 28 | Rheology of petrolatumâ€“paraffin oil mixtures: Applications to analogue modelling of geological processes. Journal of Structural Geology, 2014, 63, 1-11. | 2.3 | 31 |
| 29 | Are subduction zones invading the Atlantic? Evidence from the southwest Iberia margin: REPLY. Geology, 2014, 42, e329-e329. | 4.4 | 2 |
| 30 | Are subduction zones invading the Atlantic? Evidence from the southwest Iberia margin. Geology, 2013, 41, 839-842. | 4.4 | 128 |
| 31 | Three-dimensional dynamic laboratory models of subduction with an overriding plate and variable interplate rheology. Geophysical Journal International, 2013, 195, 47-66. | 2.4 | 71 |
| 32 | The Gibraltar subduction: A decade of new geophysical data. Tectonophysics, 2012, 574-575, 72-91. | 2.2 | 109 |
| 33 | Thrustâ€“wrench interference between major active faults in the Gulf of Cadiz (Africaâ€“Eurasia plate) Tj ETQq1 1 0.784314 rgBT /Ove<br>Tectonophysics, 2012, 548-549, 1-21. | 2.2 | 40 |
| 34 | Thrustâ€“wrench interference tectonics in the Gulf of Cadiz (Africaâ€“Iberia plate boundary in the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.1 | 56 |
| 35 | Crescent-shaped morphotectonic features in the Gulf of Cadiz (offshore SW Iberia). Marine Geology, 2010, 271, 236-249. | 2.1 | 38 |
| 36 | Morphotectonic characterization of major bathymetric lineaments in Gulf of Cadiz (Africaâ€“Iberia) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 2.1 | 60 |

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|---|---|---|---|
| 37 | Morphotectonics and strain partitioning at the Iberiaâ€“Africa plate boundary from multibeam and seismic reflection data. Marine Geology, 2009, 267, 156-174. | 2.1 | 106 |