# JosÃ© M Castanheira

List of Publications by Year
in descending order



| 29 | 468 | 759233 12 | 713466 21 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 34 | 34 | 34 | 647 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Singular spectrum analysis and forecasting of hydrological time series. Physics and Chemistry of the Earth, 2006, 31, 1172-1179. | 2.9 | 85 |
| 2 | Dynamical connection between tropospheric blockings and stratospheric polar vortex. Geophysical Research Letters, 2010, 37, . | 4.0 | 60 |
| 3 | Climatological features of global multiple tropopause events. Journal of Geophysical Research, 2008, 113, . | 3.3 | 50 |
| 4 | Unraveling the interactive effects of climate change and oil contamination on laboratoryâ€simulated estuarine benthic communities. Global Change Biology, 2015, 21, 1871-1886. | 9.5 | 28 |
| 5 | Global atmospheric energetics from NCEPâ€“Reanalysis 2 and ECMWFâ€“ERA40 Reanalysis. International Journal of Climatology, 2009, 29, 159-174. | 3.5 | 25 |
| 6 | Increase of upper troposphere/lower stratosphere wave baroclinicity during the second half of the 20th century. Atmospheric Chemistry and Physics, 2009, 9, 9143-9153. | 4.9 | 25 |
| 7 | Association of double tropopause events with baroclinic waves. Journal of Geophysical Research, 2011, 116, . | 3.3 | 18 |
| 8 | Development and validation of an experimental life support system for assessing the effects of global climate change and environmental contamination on estuarine and coastal marine benthic communities. Global Change Biology, 2013, 19, 2584-2595. | 9.5 | 18 |
| 9 | Wave Energy Associated with the Variability of the Stratospheric Polar Vortex. Journals of the Atmospheric Sciences, 2007, 64, 2683-2694. | 1.7 | 17 |
| 10 | Convectively coupled equatorialâ€wave diagnosis using threeâ€dimensional normal modes. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 2776-2792. | 2.7 | 17 |
| 11 | Baroclinic Rossby Wave Forcing and Barotropic Rossby Wave Response to Stratospheric Vortex Variability. Journals of the Atmospheric Sciences, 2009, 66, 902-914. | 1.7 | 15 |
| 12 | Relationships between Brewer-Dobson circulation, double tropopauses, ozone and stratospheric water vapour. Atmospheric Chemistry and Physics, 2012, 12, 10195-10208. | 4.9 | 15 |
| 13 | A Detailed Normal-Mode Energetics of the General Circulation of the Atmosphere. Journals of the Atmospheric Sciences, 2012, 69, 2718-2732. | 1.7 | 13 |
| 14 | Highâ€frequency precipitation changes in southeastern Africa due to anthropogenic forcing. International Journal of Climatology, 2008, 28, 1239-1253. | 3.5 | 11 |
| 15 | On the influence of physical parameterisations and domains configuration in the simulation of an extreme precipitation event. Dynamics of Atmospheres and Oceans, 2014, 68, 35-55. | 1.8 | 10 |
| 16 | Water vapour stratification and dynamical warming behind the sharpness of the Earth's midlatitude tropopause. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 957-970. | 2.7 | 9 |
| 17 | An assessment of scale-dependent variability and bias in global prediction models. Climate Dynamics, 2020, 54, 287-306. | 3.8 | 9 |
| 18 | North Atlantic Oscillation sensitivity to the El NiÃ±o/Southern Oscillation polarity in a large-ensemble simulation. Climate Dynamics, 2005, 24, 599-606. | 3.8 | 8 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Numerical solutions of the vertical structure equation and associated energetics. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 51, 337. | 1.7 | 7 |
| 20 | Bridging the Annular Mode and North Atlantic Oscillation paradigms. Journal of Geophysical Research, 2007, 112, . | 3.3 | 5 |
| 21 | Diagnosis of Free and Convectively Coupled Equatorial Waves. Mathematical Geosciences, 2018, 50, 585-606. | 2.4 | 5 |
| 22 | Three-dimensional normal mode functions: open-access tools for their computation in isobaric coordinates (p-3DNMF.v1). Geoscientific Model Development, 2020, 13, 2763-2781. | 3.6 | 5 |
| 23 | The energy cascade associated with daily variability of the North Atlantic Oscillation. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 197-210. | 2.7 | 3 |
| 24 | Annular versus Nonannular Variability of the Northern Hemisphere Atmospheric Circulation. Journal of Climate, 2008, 21, 3180-3190. | 3.2 | 2 |
| 25 | Barotropic decelerations of the southern stratospheric polar vortex. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 744-755. | 2.7 | 2 |
| 26 | The equatorial wave skeleton of the Maddenâ€“Julian Oscillation. Quarterly Journal of the Royal Meteorological Society, 0, , . | 2.7 | 2 |
| 27 | Biases of the Barotropic Atmospheric Circulation Variability in CMIP6 Models. Journal of Climate, 2022, 35, 5071-5085. | 3.2 | 2 |
| 28 | Corrigendum to "Increase of upper troposphere/lower stratosphere wave baroclinicity during the second half of the 20th century" published in Atmos. Chem. Phys., 9, 9143â€“9153, 2009. Atmospheric Chemistry and Physics, 2010, 10, 9057-9058. | 4.9 | 1 |
| 29 | Changes in the normal mode energetics of the general atmospheric circulation in a warmer climate. Climate Dynamics, 2014, 42, 1887-1903. | 3.8 | 1 |