

# Julia Gottschalk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2587671/publications.pdf>

Version: 2024-02-01

29  
papers

1,036  
citations

430874

18  
h-index

677142

22  
g-index

33  
all docs

33  
docs citations

33  
times ranked

1751  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Palaeoclimate constraints on the impact of 2 °C anthropogenic warming and beyond. <i>Nature Geoscience</i> , 2018, 11, 474-485.   | 12.9 | 166       |
| 2  | Biological and physical controls in the Southern Ocean on past millennial-scale atmospheric CO <sub>2</sub> changes. <i>Nature Communications</i> , 2016, 7, 11539.   | 12.8 | 102       |
| 3  | Radiocarbon constraints on the glacial ocean circulation and its impact on atmospheric CO <sub>2</sub> . <i>Nature Communications</i> , 2017, 8, 16010.   | 12.8 | 97        |
| 4  | Abrupt changes in the southern extent of North Atlantic Deep Water during Dansgaard-Oeschger events. <i>Nature Geoscience</i> , 2015, 8, 950-954.   | 12.9 | 63        |
| 5  | Calibration of the carbon isotope composition ( $\delta^{13}C$ ) of benthic foraminifera. <i>Paleoceanography</i> , 2017, 32, 512-530.  | 3.0  | 63        |
| 6  | Consistently dated Atlantic sediment cores over the last 40 thousand years. <i>Scientific Data</i> , 2019, 6, 165.  | 5.3  | 63        |
| 7  | Southern Ocean upwelling, Earth's obliquity, and glacial-interglacial atmospheric CO <sub>2</sub> change. <i>Science</i> , 2020, 370, 1348-1352.  | 12.6 | 57        |
| 8  | Evolution of South Atlantic density and chemical stratification across the last deglaciation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 514-519.  | 7.1  | 53        |
| 9  | Mechanisms of millennial-scale atmospheric CO <sub>2</sub> change in numerical model simulations. <i>Quaternary Science Reviews</i> , 2019, 220, 30-74.   | 3.0  | 46        |
| 10 | Rare Earth Elements in early-diagenetic foraminifer coatings: Pore-water controls and potential palaeoceanographic applications. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 245, 118-132.   | 3.9  | 46        |
| 11 | Carbon isotope offsets between benthic foraminifer species of the genus <i>Cibicides</i> ( <i>Cibicidoides</i> ) in the glacial sub-Antarctic Atlantic. <i>Paleoceanography</i> , 2016, 31, 1583-1602.  | 3.0  | 39        |
| 12 | Radiocarbon Measurements of Small-Size Foraminiferal Samples with the Mini Carbon Dating System (MICADAS) at the University of Bern: Implications for Paleoclimate Reconstructions. <i>Radiocarbon</i> , 2018, 60, 469-491.                       | 1.8  | 35        |
| 13 | History of ice-rafting and water mass evolution at the northern Siberian continental margin (Laptev Tj ETQq1 1 0.784314 rgBT /Overl   | 3.0  | 34        |
| 14 | Glacial heterogeneity in Southern Ocean carbon storage abated by fast South Indian deglacial carbon release. <i>Nature Communications</i> , 2020, 11, 6192.   | 12.8 | 27        |
| 15 | Contribution of seasonal sub-Antarctic surface water variability to millennial-scale changes in atmospheric CO <sub>2</sub> over the last deglaciation and Marine Isotope Stage 3. <i>Earth and Planetary Science Letters</i> , 2015, 411, 87-99. | 4.4  | 23        |
| 16 | Archaeal lipid biomarker constraints on the Paleocene-Eocene carbon isotope excursion. <i>Nature Communications</i> , 2019, 10, 4519.   | 12.8 | 23        |
| 17 | Age and duration of Laschamp and Iceland Basin geomagnetic excursions in the South Atlantic Ocean. <i>Quaternary Science Reviews</i> , 2017, 167, 1-13.   | 3.0  | 21        |
| 18 | Southern Ocean link between changes in atmospheric CO <sub>2</sub> levels and northern-hemisphere climate anomalies during the last two glacial periods. <i>Quaternary Science Reviews</i> , 2020, 230, 106067.                                   | 3.0  | 20        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | No evidence for equatorial Pacific dust fertilization. <i>Nature Geoscience</i> , 2019, 12, 154-155.   | 12.9 | 15        |
| 20 | Southern Ocean convection amplified past Antarctic warming and atmospheric CO2 rise during Heinrich Stadial 4. <i>Communications Earth &amp; Environment</i> , 2020, 1, .  | 6.8  | 13        |
| 21 | Past Carbonate Preservation Events in the Deep Southeast Atlantic Ocean (Cape Basin) and Their Implications for Atlantic Overturning Dynamics and Marine Carbon Cycling. <i>Paleoceanography and Paleoclimatology</i> , 2018, 33, 643-663. | 2.9  | 11        |
| 22 | Expedition 383 methods. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .   | 0.0  | 7         |
| 23 | Site U1540. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .   | 0.0  | 3         |
| 24 | Expedition 383 summary. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .   | 0.0  | 2         |
| 25 | Site U1541. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .   | 0.0  | 1         |
| 26 | Site U1543. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .   | 0.0  | 1         |
| 27 | Site U1539. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .   | 0.0  | 1         |
| 28 | Site U1542. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .   | 0.0  | 0         |
| 29 | Site U1544. <i>Proceedings of the International Ocean Discovery Program</i> , 0, , .   | 0.0  | 0         |