# Natalya Gomez

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3575206/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 40 papers | 2,187 citations | 304743 22 h-index | 302126 39 g-index |
| 55 all docs | 55 docs citations | 55 times ranked | 2196 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Global environmental consequences of twenty-first-century ice-sheet melt. Nature, 2019, 566, 65-72. | 27.8 | 277 |
| 2 | Concepts and Terminology for Sea Level: Mean, Variability and Change, Both Local and Global. Surveys in Geophysics, 2019, 40, 1251-1289. | 4.6 | 262 |
| 3 | The Sea-Level Fingerprint of West Antarctic Collapse. Science, 2009, 323, 753-753. | 12.6 | 222 |
| 4 | The Paris Climate Agreement and future sea-level rise from Antarctica. Nature, 2021, 593, 83-89. | 27.8 | 219 |
| 5 | Sea level as a stabilizing factor for marine-ice-sheet grounding lines. Nature Geoscience, 2010, 3, 850-853. | 12.9 | 132 |
| 6 | On the robustness of predictions of sea level fingerprints. Geophysical Journal International, 2011, 187, 729-742. | 2.4 | 132 |
| 7 | Solid Earth change and the evolution of the Antarctic Ice Sheet. Nature Communications, 2019, 10, 503. | 12.8 | 93 |
| 8 | A 3-D coupled ice sheet â€“ sea level model applied to Antarctica through the last 40 ky. Earth and Planetary Science Letters, 2013, 384, 88-99. | 4.4 | 91 |
| 9 | A new projection of sea level change in response to collapse of marine sectors of the Antarctic Ice Sheet. Geophysical Journal International, 2010, 180, 623-634. | 2.4 | 85 |
| 10 | Sea-level feedback lowers projections of future Antarctic Ice-Sheet mass loss. Nature Communications, 2015, 6, 8798. | 12.8 | 82 |
| 11 | The sea-level fingerprints of ice-sheet collapse during interglacial periods. Quaternary Science Reviews, 2014, 87, 60-69. | 3.0 | 58 |
| 12 | A Coupled Ice Sheetâ€“Sea Level Model Incorporating 3D Earth Structure: Variations in Antarctica during the Last Deglacial Retreat. Journal of Climate, 2018, 31, 4041-4054. | 3.2 | 54 |
| 13 | The Sensitivity of the Antarctic Ice Sheet to a Changing Climate: Past, Present, and Future. Reviews of Geophysics, 2020, 58, e2019RG000663. | 23.0 | 49 |
| 14 | Sea Level Fingerprints in a Region of Complex Earth Structure: The Case of WAIS. Journal of Climate, 2017, 30, 1881-1892. | 3.2 | 44 |
| 15 | Variations of the Antarctic Ice Sheet in a Coupled Ice Sheetâ€Earthâ€Sea Level Model: Sensitivity to Viscoelastic Earth Properties. Journal of Geophysical Research F: Earth Surface, 2017, 122, 2124-2138. | 2.8 | 43 |
| 16 | Evolution of a coupled marine ice sheetâ€“sea level model. Journal of Geophysical Research, 2012, 117, . | 3.3 | 41 |
| 17 | The seaâ€level conundrum: case studies from palaeoâ€archives. Journal of Quaternary Science, 2010, 25, 19-25. | 2.1 | 32 |
| 18 | Antarctic ice dynamics amplified by Northern Hemisphere sea-level forcing. Nature, 2020, 587, 600-604. | 27.8 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Laurentideâ€Cordilleran Ice Sheet saddle collapse as a contribution to meltwater pulse 1A. Geophysical Research Letters, 2015, 42, 3954-3962. | 4.0 | 30 |
| 20 | Global Tidal Impacts of Largeâ€Scale Ice Sheet Collapses. Journal of Geophysical Research: Oceans, 2017, 122, 8354-8370. | 2.6 | 30 |
| 21 | Rapid postglacial rebound amplifies global sea level rise following West Antarctic Ice Sheet collapse. Science Advances, 2021, 7, . | 10.3 | 25 |
| 22 | Viscous Effects in the Solid Earth Response to Modern Antarctic Ice Mass Flux: Implications for Geodetic Studies of WAIS Stability in a Warming World. Journal of Climate, 2020, 33, 443-459. | 3.2 | 24 |
| 23 | Quantifying the Uncertainty in Ground-Based GNSS-Reflectometry Sea Level Measurements. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 4419-4428. | 4.9 | 18 |
| 24 | The rotational stability of a triaxial iceâ€age Earth. Journal of Geophysical Research, 2010, 115, . | 3.3 | 15 |
| 25 | Elevation Changes of the Fennoscandian Ice Sheet Interior During the Last Deglaciation. Geophysical Research Letters, 2020, 47, e2020GL088796. | 4.0 | 15 |
| 26 | The impact of 3-D Earth structure on far-field sea level following interglacial West Antarctic Ice Sheet collapse. Quaternary Science Reviews, 2021, 273, 107256. | 3.0 | 12 |
| 27 | Precise water level measurements using low-cost GNSS antenna arrays. Earth Surface Dynamics, 2021, 9, 673-685. | 2.4 | 11 |
| 28 | Post-Glacial Isostatic Adjustment and Global Warming in Subarctic Canada: Implications for Islands of the James Bay Region. Arctic, 2009, 62, . | 0.4 | 11 |
| 29 | Resolving glacial isostatic adjustment (GIA) in response to modern and future ice loss at marine grounding lines in West Antarctica. Cryosphere, 2022, 16, 2203-2223. | 3.9 | 8 |
| 30 | Youth Environmental Science Outreach in the Mushkegowuk Territory of Subarctic Ontario, Canada. Applied Environmental Education and Communication, 2011, 10, 201-210. | 1.1 | 6 |
| 31 | The impact of water loading on postglacial decay times in Hudson Bay. Earth and Planetary Science Letters, 2018, 489, 156-165. | 4.4 | 6 |
| 32 | Estimating Modern Elevations of Pliocene Shorelines Using a Coupled Ice Sheetâ€Earthâ€Sea Level Model. Journal of Geophysical Research F: Earth Surface, 2018, 123, 2279-2291. | 2.8 | 5 |
| 33 | Capturing the interactions between ice sheets, sea level and the solid Earth on a range of timescales: a new â€œtime windowâ€•algorithm. Geoscientific Model Development, 2022, 15, 1355-1373. | 3.6 | 5 |
| 34 | Sea Level Change in the Western James Bay Region of Subarctic Ontario: Emergent Land and Implications for Treaty No. 9. Arctic, 2016, 69, 99. | 0.4 | 4 |
| 35 | Modeling Northern Hemispheric Ice Sheet Dynamics, Sea Level Change, and Solid Earth Deformation Through the Last Glacial Cycle. Journal of Geophysical Research F: Earth Surface, 2021, 126, e2020JF006040. | 2.8 | 3 |
| 36 | Multiâ€Century Impacts of Ice Sheet Retreat on Sea Level and Ocean Tides in Hudson Bay. Journal of Geophysical Research: Oceans, 2020, 125, e2019JC015104. | 2.6 | 3 |

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|---|---|---|---|
| 37 | The Influence of the Solid Earth on the Contribution of Marine Sections of the Antarctic Ice Sheet to Future Seaâ€Level Change. Geophysical Research Letters, 2022, 49, . | 4.0 | 3 |
| 38 | Small glacier has big effect on sea-level rise. Nature, 2015, 526, 510-511. | 27.8 | 1 |
| 39 | The robustness of geodetically-derived 1-D Antarctic viscosity models in the presence of complex 3-D viscoelastic Earth structure. Geophysical Journal International, 0, , . | 2.4 | 1 |
| 40 | Atmospheric Gravitational Tides of Earth-like Planets Orbiting Low-mass Stars. Planetary Science Journal, 2022, 3, 162. | 3.6 | 0 |