Natalya Gomez

List of Publications by Year
in descending order

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	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
2	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
3	Atmospheric Gravitational Tides of Earth-like Planets Orbiting Low-mass Stars. Planetary Science Journal, 2022, 3, 162.	3.6	0
4	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
5	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
6	Rapid postglacial rebound amplifies global sea level rise following West Antarctic Ice Sheet collapse. Science Advances, 2021, 7, .	10.3	25
7	The Paris Climate Agreement and future sea-level rise from Antarctica. Nature, 2021, 593, 83-89.	27.8	219
8	Precise water level measurements using low-cost GNSS antenna arrays. Earth Surface Dynamics, 2021, 9, 673-685.	2.4	11
9	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
10	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
11	Antarctic ice dynamics amplified by Northern Hemisphere sea-level forcing. Nature, 2020, 587, 600-604.	27.8	32
12	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
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	Elevation Changes of the Fennoscandian Ice Sheet Interior During the Last Deglaciation. Geophysical Research Letters, 2020, 47, e2020GL088796.	4.0	15
15	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
16	Solid Earth change and the evolution of the Antarctic Ice Sheet. Nature Communications, 2019, 10, 503.	12.8	93
17	Concepts and Terminology for Sea Level: Mean, Variability and Change, Both Local and Global. Surveys in Geophysics, 2019, 40, 1251-1289.	4.6	262
18	Global environmental consequences of twenty-first-century ice-sheet melt. Nature, 2019, 566, 65-72.	27.8	277

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19	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
20	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
21	The impact of water loading on postglacial decay times in Hudson Bay. Earth and Planetary Science Letters, 2018, 489, 156-165.	4.4	6
22	Sea Level Fingerprints in a Region of Complex Earth Structure: The Case of WAIS. Journal of Climate, 2017, 30, 1881-1892.	3.2	44
23	Global Tidal Impacts of Largeâ€Scale Ice Sheet Collapses. Journal of Geophysical Research: Oceans, 2017, 122, 8354-8370.	2.6	30
24	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
25	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
26	Laurentideâ€Cordilleran Ice Sheet saddle collapse as a contribution to meltwater pulse 1A. Geophysical Research Letters, 2015, 42, 3954-3962.	4.0	30
27	Small glacier has big effect on sea-level rise. Nature, 2015, 526, 510-511.	27.8	1
28	Sea-level feedback lowers projections of future Antarctic Ice-Sheet mass loss. Nature Communications, 2015, 6, 8798.	12.8	82
29	The sea-level fingerprints of ice-sheet collapse during interglacial periods. Quaternary Science Reviews, 2014, 87, 60-69.	3.0	58
30	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
31	Evolution of a coupled marine ice sheetâ€“sea level model. Journal of Geophysical Research, 2012, 117, .	3.3	41
32	Youth Environmental Science Outreach in the Mushkegowuk Territory of Subarctic Ontario, Canada. Applied Environmental Education and Communication, 2011, 10, 201-210.	1.1	6
33	On the robustness of predictions of sea level fingerprints. Geophysical Journal International, 2011, 187, 729-742.	2.4	132
34	The seaâ€level conundrum: case studies from palaeoâ€archives. Journal of Quaternary Science, 2010, 25, 19-25.	2.1	32
35	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
36	Sea level as a stabilizing factor for marine-ice-sheet grounding lines. Nature Geoscience, 2010, 3, 850-853.	12.9	132

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37	The rotational stability of a triaxial iceâ€age Earth. Journal of Geophysical Research, 2010, 115, .	3.3	15
38	The Sea-Level Fingerprint of West Antarctic Collapse. Science, 2009, 323, 753-753.	12.6	222
39	Post-Glacial Isostatic Adjustment and Global Warming in Subarctic Canada: Implications for Islands of the James Bay Region. Arctic, 2009, 62, .	0.4	11
40	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