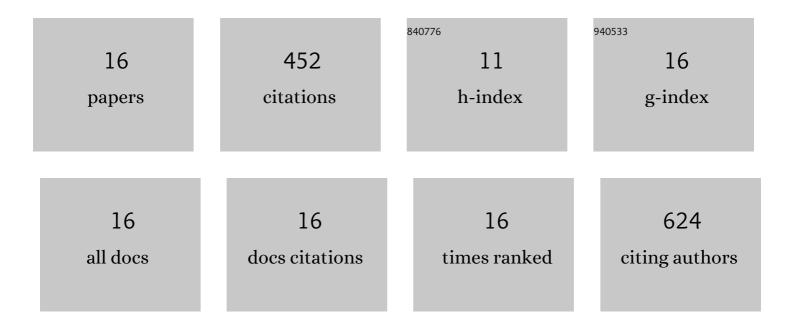
## Vladimir M Gryanik

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Sensitivity to changes in the surfaceâ€layer turbulence parameterization for stable conditions in winter: A case study with a regional climate model over the Arctic. Atmospheric Science Letters, 2022, 23, e1066.	1.9	6
2	On a solution of the closure problem for dry convective boundary layer turbulence and beyond. Journals of the Atmospheric Sciences, 2022, , .	1.7	1
3	Influence of Lead width on the Turbulent Flow Over Sea Ice Leads: Modeling and Parametrization. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031996.	3.3	5
4	New Modified and Extended Stability Functions for the Stable Boundary Layer based on SHEBA and Parametrizations of Bulk Transfer Coefficients for Climate Models. Journals of the Atmospheric Sciences, 2020, 77, 2687-2716.	1.7	23
5	Evaluation of Arctic sea ice drift and its dependency on near-surface wind and sea ice conditions in the coupled regional climate model HIRHAM–NAOSIM. Cryosphere, 2020, 14, 1727-1746.	3.9	18
6	An Efficient Non-iterative Bulk Parametrization of Surface Fluxes for Stable Atmospheric Conditions Over Polar Sea-Ice. Boundary-Layer Meteorology, 2018, 166, 301-325.	2.3	13
7	Meteorology and oceanography of the Atlantic sector of the Southern Ocean—a review of German achievements from the last decade. Ocean Dynamics, 2016, 66, 1379-1413.	2.2	12
8	A stabilityâ€dependent parametrization of transfer coefficients for momentum and heat over polar sea ice to be used in climate models. Journal of Geophysical Research D: Atmospheres, 2015, 120, 552-581.	3.3	46
9	Idealized dry quasi 2â€D mesoscale simulations of coldâ€air outbreaks over the marginal sea ice zone with fine and coarse resolution. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8787-8813.	3.3	36
10	A parametrization, based on sea ice morphology, of the neutral atmospheric drag coefficients for weather prediction and climate models. Journal of Geophysical Research, 2012, 117, .	3.3	99
11	A Refinement of the Millionshchikov Quasi-Normality Hypothesis for Convective Boundary Layer Turbulence. Journals of the Atmospheric Sciences, 2005, 62, 2632-2638.	1.7	37
12	The theory of quasi-geostrophic von Kármán vortex streets in two-layer fluids on a beta-plane. Journal of Fluid Mechanics, 2004, 505, 23-57.	3.4	22
13	A Turbulence Closure for the Convective Boundary Layer Based on a Two-Scale Mass-Flux Approach. Journals of the Atmospheric Sciences, 2002, 59, 2729-2744.	1.7	73
14	The theory of three-dimensional hetons and vortex-dominated spreading in localized turbulent convection in a fast rotating stratified fluid. Journal of Fluid Mechanics, 2000, 423, 71-125.	3.4	28
15	Vortex intensification and collapse of the Lissajous-elliptic ring: single- and multi-filament Biot-Savart simulations and visiometrics. Journal of Fluid Mechanics, 1995, 299, 289-331.	3.4	27
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Nearâ€singular collapse and local intensification of a â€ĩâ€ĩLissajousâ€elliptic'' vortex ring: Nonmonotonic behavior and zeroâ€approaching local energy densities. Physics of Fluids, 1994, 6, 2242-2244.

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