

Roiy Sayag

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

292
citations

933447

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996975

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all docs

15
docs citations

15
times ranked

341
citing authors

#	ARTICLE	IF	CITATIONS
1	A "triple sea-ice state" mechanism for the abrupt warming and synchronous ice sheet collapses during Heinrich events. <i>Paleoceanography</i> , 2004, 19, n/a-n/a.	3.0	62
2	Elastic dynamics and tidal migration of grounding lines modify subglacial lubrication and melting. <i>Geophysical Research Letters</i> , 2013, 40, 5877-5881.	4.0	42
3	Elastic response of a grounded ice sheet coupled to a floating ice shelf. <i>Physical Review E</i> , 2011, 84, 036111.	2.1	30
4	Dynamics of the global meridional ice flow of Europa's icy shell. <i>Nature Astronomy</i> , 2018, 2, 43-49.	10.1	28
5	Axisymmetric gravity currents of power-law fluids over a rigid horizontal surface. <i>Journal of Fluid Mechanics</i> , 2013, 716, .	3.4	25
6	Rapid switch-like sea ice growth and land ice-sea ice hysteresis. <i>Paleoceanography</i> , 2004, 19, n/a-n/a.	3.0	18
7	Spatiotemporal dynamics of ice streams due to a triple-valued sliding law. <i>Journal of Fluid Mechanics</i> , 2009, 640, 483-505.	3.4	17
8	Spontaneous generation of pure ice streams via flow instability: Role of longitudinal shear stresses and subglacial till. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	16
9	Interaction and variability of ice streams under a triple-valued sliding law and non-Newtonian rheology. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	12
10	Instability of radially spreading extensional flows. Part 1. Experimental analysis. <i>Journal of Fluid Mechanics</i> , 2019, 881, 722-738.	3.4	11
11	Instability of radially spreading extensional flows. Part 2. Theoretical analysis. <i>Journal of Fluid Mechanics</i> , 2019, 881, 739-771.	3.4	8
12	Lubricated gravity currents of power-law fluids. <i>Journal of Fluid Mechanics</i> , 2021, 916, .	3.4	7
13	Propagation of viscous currents on a porous substrate with finite capillary entry pressure. <i>Journal of Fluid Mechanics</i> , 2016, 801, 65-90.	3.4	5
14	Rifting of Extensional Flows on a Sphere. <i>Physical Review Letters</i> , 2019, 123, 214502.	7.8	3