

# Tine B Larsen

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,298  
citations

361045

20  
h-index

377514

34  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1163  
citing authors

#	ARTICLE	IF	CITATIONS
1	The lithosphere–asthenosphere boundary in the North-West Atlantic region. <i>Earth and Planetary Science Letters</i> , 2005, 236, 249-257.	1.8	126
2	Dynamical consequences of depth-dependent thermal expansivity and viscosity on mantle circulations and thermal structure. <i>Physics of the Earth and Planetary Interiors</i> , 1993, 77, 205-223.	0.7	124
3	Depth to Moho in Greenland: receiver-function analysis suggests two Proterozoic blocks in Greenland. <i>Earth and Planetary Science Letters</i> , 2003, 205, 379-393.	1.8	98
4	Stepwise changes in glacier flow speed coincide with calving and glacial earthquakes at Helheim Glacier, Greenland. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	90
5	Spatial and temporal melt variability at Helheim Glacier, East Greenland, and its effect on ice dynamics. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	71
6	Slab weakening: Mechanical and thermal-mechanical consequences for slab detachment. <i>Island Arc</i> , 1995, 4, 89-103.	0.5	64
7	Dynamical consequences on fast subducting slabs from a self-regulating mechanism due to viscous heating in variable viscosity convection. <i>Geophysical Research Letters</i> , 1995, 22, 1277-1280.	1.5	64
8	Phase velocities of Rayleigh and Love waves in central and northern Europe from automated, broad-band, interstation measurements. <i>Geophysical Journal International</i> , 2016, 204, 517-534.	1.0	53
9	Ultrafast mantle plumes and implications for flood basalt volcanism in the Northern Atlantic Region. <i>Tectonophysics</i> , 1999, 311, 31-43.	0.9	52
10	PASSEQ 2006–2008: Passive seismic experiment in Trans-European Suture Zone. <i>Studia Geophysica Et Geodaetica</i> , 2008, 52, 439-448.	0.3	50
11	A first detailed look at the Greenland lithosphere and upper mantle, using Rayleigh wave tomography. <i>Geophysical Journal International</i> , 2004, 158, 267-286.	1.0	45
12	Ultrafast upwelling bursting through the upper mantle. <i>Earth and Planetary Science Letters</i> , 1997, 146, 393-399.	1.8	42
13	Fast plumeheads: Temperature-dependent versus non-Newtonian rheology. <i>Geophysical Research Letters</i> , 1997, 24, 1995-1998.	1.5	38
14	Sudden increase in tidal response linked to calving and acceleration at a large Greenland outlet glacier. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	38
15	Moho depth across the Trans-European Suture Zone from P- and S-receiver functions. <i>Geophysical Journal International</i> , 2014, 197, 1048-1075.	1.0	33
16	Crust and uppermost-mantle structure of Greenland and the Northwest Atlantic from Rayleigh wave group velocity tomography. <i>Geophysical Journal International</i> , 2018, 212, 1546-1569.	1.0	30
17	Fractal features in mixing of non-Newtonian and Newtonian mantle convection. <i>Earth and Planetary Science Letters</i> , 1997, 146, 401-414.	1.8	29
18	Tracing the influence of the Trans-European Suture Zone into the mantle transition zone. <i>Earth and Planetary Science Letters</i> , 2013, 363, 73-87.	1.8	29

#	ARTICLE	IF	CITATIONS
19	Comparison of mixing properties in convection with the Particle-Line Method. <i>Geophysical Research Letters</i> , 1998, 25, 3205-3208.	1.5	22
20	Quantitative estimates of velocity sensitivity to surface melt variations at a large Greenland outlet glacier. <i>Journal of Glaciology</i> , 2011, 57, 609-620.	1.1	22
21	Temperature-dependent Newtonian and non-Newtonian convection: Implications for lithospheric processes. <i>Geophysical Research Letters</i> , 1993, 20, 2595-2598.	1.5	20
22	A high-order finite-difference method applied to large Rayleigh number mantle convection. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 1997, 84, 53-83.	0.4	19
23	Generation of fast timescale phenomena in thermo-mechanical processes. <i>Physics of the Earth and Planetary Interiors</i> , 1997, 102, 213-222.	0.7	18
24	Evolution of events before and after the 17 June 2017 rock avalanche at Karrat Fjord, West Greenland – a multidisciplinary approach to detecting and locating unstable rock slopes in a remote Arctic area. <i>Earth Surface Dynamics</i> , 2020, 8, 1021-1038.	1.0	17
25	The evolution of material surfaces in convection with variable viscosity as monitored by a characteristics-based method. <i>Geophysical Research Letters</i> , 1996, 23, 2001-2004.	1.5	15
26	Upper mantle structure around the Trans-European Suture Zone obtained by teleseismic tomography. <i>Solid Earth</i> , 2015, 6, 73-91.	1.2	14
27	Dynamics of thermal convection with Newtonian temperature-dependent viscosity at high Rayleigh number. <i>Physics of the Earth and Planetary Interiors</i> , 1995, 89, 9-33.	0.7	11
28	Thermomechanical modeling of pulsation tectonics and consequences on lithospheric dynamics. <i>Geophysical Research Letters</i> , 1996, 23, 217-220.	1.5	11
29	Dynamics of strongly time-dependent convection with non-Newtonian temperature-dependent viscosity. <i>Physics of the Earth and Planetary Interiors</i> , 1996, 94, 75-103.	0.7	11
30	Seismic anisotropy beneath east Greenland revealed by shear wave splitting. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	10
31	Dynamical influences of depth-dependent properties on mantle upwellings and temporal variations of the moment of inertia. <i>Physics of the Earth and Planetary Interiors</i> , 1997, 102, 153-170.	0.7	8
32	Helheim Glacier diurnal velocity fluctuations driven by surface melt forcing. <i>Journal of Glaciology</i> , 2022, 68, 77-89.	1.1	8
33	Traces of the crustal units and the upper-mantle structure in the southwestern part of the East European Craton. <i>Solid Earth</i> , 2014, 5, 821-836.	1.2	6
34	A multidisciplinary approach to landslide monitoring in the Arctic: Case study of the March 2018 ML 1.9 seismic event near the Karrat 2017 landslide. <i>Geological Survey of Denmark and Greenland Bulletin</i> , 0, 43, .	2.0	5
35	Citizen Seismology in the Arctic. <i>Frontiers in Earth Science</i> , 2020, 8, .	0.8	4
36	100 Years of Paper Seismograms from Denmark and Greenland, 1907–2008. <i>Seismological Research Letters</i> , 0, , .	0.8	1

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37	Monitoring for seismological and geochemical groundwater effects of high-volume pumping of natural gas at the Stenlille underground gas storage facility, Denmark. Geological Survey of Denmark and Greenland Bulletin, 0, 47, .	2.0	0
38	Jordsk�lvet ved Sumatra - seismologisk set. GeologiskNyt, 2005, 15, .	0.0	0
39	Sumatra-jordsk�lvet - de geofysiske konsekvenser. GeologiskNyt, 2005, 15, .	0.0	0
40	Jordsk�lvet i Pakistan - omr�de med voldsom tektonik. GeologiskNyt, 2005, 15, .	0.0	0
41	Glaciale Jordsk�lv - n�r isen rykker. GeologiskNyt, 2005, 15, .	0.0	0
42	Plader p� kollisionskurs - hvad har Peru og Sumatra til f�lles?. GeologiskNyt, 2007, 17, .	0.0	0
43	Tibet presser Kina - og det giver jordsk�lv!. GeologiskNyt, 2008, 18, .	0.0	0
44	Island - et land i rystende v�kst. GeologiskNyt, 2008, 18, .	0.0	0
45	Jordsk�lv i Sk�ne - kraftige rystelser i Danmark. GeologiskNyt, 2009, , .	0.0	0
46	Kan jordsk�lv forudsiges? - brugbare forudsigelser er langt v�k. GeologiskNyt, 2009, , .	0.0	0
47	Braget i Baffin Bugt. GeologiskNyt, 2009, , .	0.0	0
48	To jordsk�lv p� 12 minutter - er der en sammenh�ng?. GeologiskNyt, 2009, , .	0.0	0