Tine B Larsen

List of Publications by Year
in descending order

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	Helheim Glacier diurnal velocity fluctuations driven by surface melt forcing. Journal of Glaciology, 2022, 68, 77-89.	1.1	8
2	Citizen Seismology in the Arctic. Frontiers in Earth Science, 2020, 8, .	0.8	4
3	Evolution of events before and after the 17ÂJuneÂ2017 rock avalanche at Karrat Fjord, West Greenland â€“ a multidisciplinary approach to detecting and locating unstable rock slopes in a remote Arctic area. Earth Surface Dynamics, 2020, 8, 1021-1038.	1.0	17
4	Crust and uppermost-mantle structure of Greenland and the Northwest Atlantic from Rayleigh wave group velocity tomography. Geophysical Journal International, 2018, 212, 1546-1569.	1.0	30
5	Phase velocities of Rayleigh and Love waves in central and northern Europe from automated, broad-band, interstation measurements. Geophysical Journal International, 2016, 204, 517-534.	1.0	53
6	Upper mantle structure around the Trans-European Suture Zone obtained by teleseismic tomography. Solid Earth, 2015, 6, 73-91.	1.2	14
7	Moho depth across the Trans-European Suture Zone from P- and S-receiver functions. Geophysical Journal International, 2014, 197, 1048-1075.	1.0	33
8	Traces of the crustal units and the upper-mantle structure in the southwestern part of the East European Craton. Solid Earth, 2014, 5, 821-836.	1.2	6
9	Tracing the influence of the Trans-European Suture Zone into the mantle transition zone. Earth and Planetary Science Letters, 2013, 363, 73-87.	1.8	29
10	Quantitative estimates of velocity sensitivity to surface melt variations at a large Greenland outlet glacier. Journal of Glaciology, 2011, 57, 609-620.	1.1	22
11	Sudden increase in tidal response linked to calving and acceleration at a large Greenland outlet glacier. Geophysical Research Letters, 2010, 37, .	1.5	38
12	Spatial and temporal melt variability at Helheim Glacier, East Greenland, and its effect on ice dynamics. Journal of Geophysical Research, 2010, 115, .	3.3	71
13	JordskÃ¦lv i SkÃ¥ne - kraftige rystelser i Danmark. GeologiskNyt, 2009, , .	0.0	0
14	Kan jordskÃ¦lv forudsiges? - brugbare forudsigelser er langt vÃ¦k. GeologiskNyt, 2009, , .	0.0	0
15	Braget i Baffin Bugt. GeologiskNyt, 2009, , .	0.0	0
16	To jordskÃ¦lv pÃ¥ 12 minutter - er der en sammenhÃ¦ng?. GeologiskNyt, 2009, , .	0.0	0
17	PASSEQ 2006â€“2008: Passive seismic experiment in Trans-European Suture Zone. Studia Geophysica Et Geodaetica, 2008, 52, 439-448.	0.3	50
18	Stepâ€wise changes in glacier flow speed coincide with calving and glacial earthquakes at Helheim Glacier, Greenland. Geophysical Research Letters, 2008, 35, .	1.5	90

#	Article	IF	Citations
19	Tibet presser Kina - og det giver jordskÃ¦lv!. GeologiskNyt, 2008, 18, .	0.0	0
20	Island - et land i rystende vÃ¦kst. GeologiskNyt, 2008, 18, .	0.0	0
21	Plader pÃ¥ kollisonskurs - hvad har Peru og Sumatra til fÃ¦lles?. GeologiskNyt, 2007, 17, .	0.0	0
22	The lithosphereâ€“asthenosphere boundary in the North-West Atlantic region. Earth and Planetary Science Letters, 2005, 236, 249-257.	1.8	126
23	Seismic anisotropy beneath east Greenland revealed by shear wave splitting. Geophysical Research Letters, 2005, 32, .	1.5	10
24	JordskÃ¦lvet ved Sumatra - seismologisk set. GeologiskNyt, 2005, 15, .	0.0	0
25	Sumatra-jordskÃ¦lvet - de geofysiske konsekvenser. GeologiskNyt, 2005, 15, .	0.0	0
26	JordskÃ¦lvet i Pakistan - omrÃ¥de med voldsom tektonik. GeologiskNyt, 2005, 15, .	0.0	0
27	Glaciale JordskÃ¦lv - nÃ¥r isen rykker. GeologiskNyt, 2005, 15, .	0.0	0
28	A first detailed look at the Greenland lithosphere and upper mantle, using Rayleigh wave tomography. Geophysical Journal International, 2004, 158, 267-286.	1.0	45
29	Depth to Moho in Greenland: receiver-function analysis suggests two Proterozoic blocks in Greenland. Earth and Planetary Science Letters, 2003, 205, 379-393.	1.8	98
30	Ultrafast mantle plumes and implications for flood basalt volcanism in the Northern Atlantic Region. Tectonophysics, 1999, 311, 31-43.	0.9	52
31	Comparison of mixing properties in convection with the Particle-Line Method. Geophysical Research Letters, 1998, 25, 3205-3208.	1.5	22
32	A high-order finite-difference method applied to large Rayleigh number mantle convection. Geophysical and Astrophysical Fluid Dynamics, 1997, 84, 53-83.	0.4	19
33	Fast plumeheads: Temperature-dependent versus non-Newtonian rheology. Geophysical Research Letters, 1997, 24, 1995-1998.	1.5	38
34	Fractal features in mixing of non-Newtonian and Newtonian mantle convection. Earth and Planetary Science Letters, 1997, 146, 401-414.	1.8	29
35	Ultrafast upwelling bursting through the upper mantle. Earth and Planetary Science Letters, 1997, 146, 393-399.	1.8	42
36	Generation of fast timescale phenomena in thermo-mechanical processes. Physics of the Earth and Planetary Interiors, 1997, 102, 213-222.	0.7	18

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37	Dynamical influences of depth-dependent properties on mantle upwellings and temporal variations of the moment of inertia. Physics of the Earth and Planetary Interiors, 1997, 102, 153-170.	0.7	8
38	Thermomechanical modeling of pulsation tectonics and consequences on lithospheric dynamics. Geophysical Research Letters, 1996, 23, 217-220.	1.5	11
39	Dynamics of strongly time-dependent convection with non-Newtonian temperature-dependent viscosity. Physics of the Earth and Planetary Interiors, 1996, 94, 75-103.	0.7	11
40	The evolution of material surfaces in convection with variable viscosity as monitored by a characteristicsâ€based method. Geophysical Research Letters, 1996, 23, 2001-2004.	1.5	15
41	Slab weakening: Mechanical and thermal-mechanical consequences for slab detachment. Island Arc, 1995, 4, 89-103.	0.5	64
42	Dynamics of thermal convection with Newtonian temperature-dependent viscosity at high Rayleigh number. Physics of the Earth and Planetary Interiors, 1995, 89, 9-33.	0.7	11
43	Dynamical consequences on fast subducting slabs from a self-regulating mechanism due to viscous heating in variable viscosity convection. Geophysical Research Letters, 1995, 22, 1277-1280.	1.5	64
44	Dynamical consequences of depth-dependent thermal expansivity and viscosity on mantle circulations and thermal structure. Physics of the Earth and Planetary Interiors, 1993, 77, 205-223.	0.7	124
45	Temperatureâ€dependent Newtonian and nonâ€Newtonian convection: Implications for lithospheric processes. Geophysical Research Letters, 1993, 20, 2595-2598.	1.5	20
46	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
47	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. Geological Survey of Denmark and Greenland Bulletin, 0, 43, .	2.0	5
48	100 Years of Paper Seismograms from Denmark and Greenland, 1907â€“2008. Seismological Research Letters, 0, , .	0.8	1