

# Topography and Geoid Undulations Caused By Small-Scale Lithosphere of Variable Elastic Thickness

Geophysical Journal International

97, 511-527

DOI: [10.1111/j.1365-246x.1989.tb00520.x](https://doi.org/10.1111/j.1365-246x.1989.tb00520.x)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Compressible convection with constant and variable viscosity: The effect on slab formation, geoid, and Topography. <i>Journal of Geophysical Research</i> , 1989, 94, 12463-12481.	3.3	39
2	A mechanism for crustal thinning without lateral extension. <i>Geophysical Research Letters</i> , 1990, 17, 2417-2420.	4.0	26
3	Finite element modeling of lower crustal flow: A model for crustal thickness variations. <i>Journal of Geophysical Research</i> , 1991, 96, 20331-20335.	3.3	7
4	The influence of second-scale convection on the thickness of continental lithosphere and crust. <i>Tectonophysics</i> , 1991, 189, 281-306.	2.2	41
5	Variable Viscosity Convection in a Compressible Upper Mantle and the Thickness of Continental Lithosphere. , 1991, , 607-636.		4
6	Tomography, the Geoid and Plate Motions. <i>Reviews of Geophysics</i> , 1991, 29, 776-782.	23.0	1
7	Interpretations of geoid anomalies around the Iceland hotspot. <i>Geophysical Journal International</i> , 1991, 106, 149-160.	2.4	13
8	On the interpretation of geoid anomalies in Europe with special regard to the EGT profiles. <i>Tectonophysics</i> , 1992, 207, 25-42.	2.2	4
9	Mantle flow and the evolution of the lithosphere. <i>Physics of the Earth and Planetary Interiors</i> , 1993, 79, 241-267.	1.9	21
10	A Numerical Research on the Small-Scale Convection with Variable Viscosity in the Upper Mantle. <i>Chinese Journal of Geophysics</i> , 2003, 46, 478-488.	0.2	6
11	Upper mantle convection beneath northwest China and its adjacent region driven by density anomaly. <i>Acta Seismologica Sinica</i> , 2006, 19, 552-562.	0.2	2
12	Integrated geophysical-petrological modeling of the lithosphere and sublithospheric upper mantle: Methodology and applications. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	200
13	Small-scale gravitational instabilities under the oceans: Implications for the evolution of oceanic lithosphere and its expression in geophysical observables. <i>Philosophical Magazine</i> , 2008, 88, 3197-3217.	1.6	30
14	LitMod3D: An interactive 3D software to model the thermal, compositional, density, seismological, and rheological structure of the lithosphere and sublithospheric upper mantle. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	107
15	Lithosphere-asthenosphere interaction beneath Ireland from joint inversion of teleseismic P-wave delay times and GRACE gravity. <i>Geophysical Journal International</i> , 2011, 184, 1379-1396.	2.4	16
16	Topography and geoid induced by a convecting mantle beneath an elastic lithosphere. <i>Geophysical Journal International</i> , 2012, 189, 55-72.	2.4	20
17	Geoid and topography of Earth-like planets: A comparison between compressible and incompressible models for different rheologies. <i>Physics of the Earth and Planetary Interiors</i> , 2013, 216, 74-90.	1.9	2
18	3D multi-observable probabilistic inversion for the compositional and thermal structure of the lithosphere and upper mantle. II: General methodology and resolution analysis. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1650-1676.	3.4	78

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19	3â€ multiobservable probabilistic inversion for the compositional and thermal structure of the lithosphere and upper mantle. I: <i>a priori</i> petrological information and geophysical observables. Journal of Geophysical Research: Solid Earth, 2013, 118, 2586-2617.	3.4	121
20	3â€ multiobservable probabilistic inversion for the compositional and thermal structure of the lithosphere and upper mantle: III. Thermochemical tomography in the Westernâ€Central U.S.. Journal of Geophysical Research: Solid Earth, 2016, 121, 7337-7370.	3.4	67
21	Effects of upper mantle heterogeneities on the lithospheric stress field and dynamic topography. Solid Earth, 2018, 9, 649-668.	2.8	22