

Список публикаций М.К. Кабана

Статьи в журналах и сборниках

1. *Rabbel W., **Kaban M.**, Tesauro M.* Contrasts of seismic velocity, density and strength across the Moho // *Tectonophysics* (in press, Available online from the journal web-site since 28 June 2013).
2. *Petrinin A. G., **Kaban M. K.**, Rogozhina I., Trubitsyn V.* Revising the spectral method as applied to modeling mantle dynamics // *Geochemistry Geophysics Geosystems* (G3). 2013. EDOC: 21048.
3. *Stolk W., **Kaban M.K.**, Beekman F., Tesauro M., Mooney W.D., Cloetingh S.* High resolution regional crustal models from irregularly distributed data: Application to Asia and adjacent areas // *Tectonophysics*. 2013. Vol. 602. P.55–68.
4. *Petrinin A. G., Rogozhina I., Vaughan A. P., Kukkonen, I. T., **Kaban, M. K.**, Koulakov, I., Thomas M.* Heat flux variations beneath central Greenland's ice due to anomalously thin lithosphere // *Nature Geoscience*. 2013. Vol. 6. P.746-750.
5. *Smit J.H.W., Cloetingh S.A.P.L., Burov E., Tesauro M., Sokoutis D., **Kaban M.*** Interference of lithospheric folding in western Central Asia by simultaneous Indian and Arabian plate indentation // *Tectonophysics*. 2013. Vol. 602. P.176-193.
6. *Tesauro, M., **Kaban, M. K.*** Global model for the lithospheric strength and effective elastic thickness. // *Tectonophysics*. 2013. Vol. 602. P.78-86.
7. *Chen B., Chen C., **Kaban M.K.**, Du J., Liang Q., Thomas M.* Variations of the effective elastic thickness over China and surroundings and their relation to the lithosphere dynamics // *Earth and Planetary Science Letters*. 2013. Vol. 363. P. 61–72.
8. ***Kaban M. K.**, Petrinin A. G., Schmeling H., Shahraki M.* Effect of Decoupling of Lithospheric Plates on the Observed Geoid // *Surveys in Geophysics*. 2014. Vol. 35, Issue 6, P. 1361-1373. Doi: 10.1007/s10712-014-9281-3
9. Wang L. S., Chen C., ***Kaban M. K.***, Du J. S., Liang Q., Thomas M. The use of the A10-022 absolute gravimeter to construct the relative gravimeter calibration baselines in China // *Metrologia*. 2014. Vol.51. №3. P.203-211. <http://doi.org/10.1088/0026-1394/51/3/203>

10. Tesauro M., **Kaban M.K.**, Mooney W.D., Cloetingh S. (2014, online). NACr14: A 3D model for the crustal structure of the North American Continent // Tectonophysics. 2014. Vol.631. P.65–86. Special Issue: SI DOI:10.1016/j.tecto.2014.04.016.
11. **Kaban M.K.**, Yuanda T.R. Density Structure, Isostatic Balance and Tectonic Models of the Central Tien Shan // Surveys in Geophysics. 2014. Vol. 35, Issue 6. P. 1375-1391. Doi:10.1007/s10712-014-9298-7
12. Chen B., **Kaban M.K.**, El Khrepy S., Al-Arifi N. Effective elastic thickness of the Arabian plate: Weak shield versus strong platform // Geophysical Research Letters. 2015. Vol. 42. P. 3298–3304. DOI:10.1002/2015GL063725
13. Shahraki, M., Schmeling H., **Kaban M. K.**, Petrunin A. G. Effects of the postperovskite phase change on the observed geoid // Geophysical Research Letters. 2015. Vol. 42, Issue 1. P. 44–52, DOI:10.1002/2014GL060255
14. Tesauro, M., **Kaban M. K.**, Mooney W. D. Variations of the lithospheric strength and elastic thickness in North America // Geochemistry Geophysics Geosystems. 2015. Vol. 16, Issue 7. P. 2197–2220, DOI:10.1002/2015GC005937
15. **Kaban M. K.**, Krasnoperov R. I., Soloviev A. A., Nikolova Y. I. The integrative density model of the crust and upper mantle of Eurasia: representation in GIS environment // Russian Journal of Earth Sciences. 2019. Vol. 19. № 6. P. 1–15. DOI: 10.2205/2019ES000692

1. **Kaban M.K., Mooney W.D., Stolk W.** Toward a high-resolution global crustal model based on new principles of data analysis // Partnership conference "Geophysical observatories, multifunctional GIS and data mining". Kaluga, Russia, 30 September 2013.
2. **Kaban M. K., Mooney W. D., Tesauro M., Stolk W.** Global gravity model of the crust and upper mantle // General Assembly European Geosciences Union (Vienna, Austria 2013), EDOC: 20743.
3. *Petrinin A. G., Rogozhina I., **Kaban M. K.**, Vaughan A. P. M., Steinberger B., Johnson, J., Koulakov I., Thomas M.* Anomalous subglacial heat flow in central Greenland induced by the Iceland plume // General Assembly European Geosciences Union (Vienna, Austria 2013), EDOC: 20747.
4. *Rogozhina I., Petrunin A. G., Vaughan A. P. M., Kukkonen I. T., **Kaban, M. K.**, Koulakov, I.; Thomas, M.* Extreme variation in basal thermal conditions of the central Greenland Ice Sheet due to anomalous lithosphere structure // General Assembly European Geosciences Union (Vienna, Austria 2013), EDOC: 20754.
5. *Stolk, W., **Kaban M. K.**, Tesauro, M., Beekmann, F., Cloetingh, S.* Multidisciplinary approach to assess thermo-mechanical properties of the Asian lithosphere // General Assembly European Geosciences Union (Vienna, Austria 2013), EDOC: 20757.
6. *Tesauro M., **Kaban M. K.**, Cloetingh S., Mooney W. D.* Lithospheric structure and deformation of the North American continent. General Assembly European Geosciences Union (Vienna, Austria 2013) EDOC: 20758.
7. *Dec M., Perchuc E., **Kaban M. K.**, Scroda P., Tesauro, M.* Seismic imaging of the North American upper mantle structures for California - Virginia profile // General Assembly European Geosciences Union (Vienna, Austria 2013) , EDOC: 20741.