

**Publication list of Sergey Yu. SOKOLOV**  
*(Leading geophysicist, Cand. of Phys.-Math. Sciences)*

1. Sokolov S.Yu. The influence of noise spectrum on the signal to noise ratio in the crosscorrelation filtering of seismic signals in the ocean. *Oceanology*, vol 25, n.1, 1985, p.162-165. (Russian, Engl. Abstract)
2. Neprochnov Yu.P., Sedov V.V., Ostrovski A.A., Sokolov S.Yu. Experimental results on the stationary airgun seismic signal accumulation off the western shore of the Caspian sea. *Oceanology*, vol 25, n.2, 1985, p.319-324. (Russian, Engl. Abstract)
3. Neprochnov Yu.P., Sokolov S.Yu. The usage of pneumatic seismic energy sources for encoded signal radiation // Abstract. Conference on technical methods of seas and ocean investigation, Gelendzhik, 22-26 april 1985, p.29. (Russian)
4. Sokolov S.Yu., Efimov V.N., Estimation of airgun array parameters for radiation of encoded signal // Modern geophysical researches, The 3-rd Conference of young scientists, Moscow, "Nauka", 1987, p.200-203. (Russian)
5. Efimov V.N., Efimov P.N., Poberzhin V.M., Sokolov S.Yu., Controlled pneumatic valve of seismic signal source, A.S. of USSR n.1434991, G 01 V 1/04 09.10.86. (Russian)
6. Ostrovski A.A., Sokolov S.Yu., Rykunov L.N., Low-frequency variations of ocean bottom seismic noise, *Vulcanology and Seismology*, 1988, n.6, p.103-107. (Russian, Engl. Abstract)
7. Sokolov S.Yu., Stacking and numerical modeling of airgun signals for marine deep seismic sounding, Autoreferat of Candidate dissertation in geophysics, Moscow, VNIIGeos, 1990, 25 p. (Russian)
8. Sokolov S.Yu., Efremov V.N., The problem of waveform synthesis from airgun array, // Geological, geophysical and geochemical information systems, vol.1: Geophysical processes, fields and technique, Moscow, 1990, p.76-80. (Russian)
9. Sokolov S.Yu., Some perspectives of increasing of penetration and resolution in deep seismic sounding of the ocean, *Oceanology*, 1993, vol.33, n.2, p.294-298. (Russian, Engl. Abstract)
10. Peyve A.A., Zitellini N., Perfilyev A.S., Mazarovich A.O., Raznitsyn Yu.N., Turko N.N., Simonov V.A., Averyanov S.B., Bortoluzzi G., Bulychev A.A., Gasperini L., Gilod D.A., Gladun V.A., Evgrafov L.M., Efimov V.N., Kolobov V.Yu., Ligi M., Lodolo E., Pertsev A.N., Sokolov S.Yu., Schiuto F. The Mid-Atlantic ridge structure near Bouvet tripple junction, *Doklady Acad. of Sciences*, 1994, vol 338, n 5, p. 645-648. (Russian, Engl. Abstract)
11. Mazarovich A.O., Sokolov S.Yu. Unusual Modern Fractures Cut the Rift Valley in the Bouvet Island Region, Thesises of 5-th Zonenshain Conference on Plate Tectonics, Moscow, November 22-25, 1995, p.17. (English)
12. Mazarovich A.O., Peyve A.A., Zitellini N., Perfilyev A.S., Raznitsyn Yu.N., Turko N.N., Simonov V.A., Averyanov S.B., Bortoluzzi G., Bulychev A.A., Gasperini L., Gilod D.A., Gladun V.A., Evgrafov L.M., Efimov V.N., Kolobov V.Yu., Ligi M., Lodolo E., Pertsev A.N., Sokolov S.Yu., Schiuto F., Morphostructure of Bouvet Island region, *Doklady Acad. of Sciences*, 1995, vol 342, n 3, p. 354-357. (Russian, Engl. Abstract)
13. Cruise Report Strakhov-18, Bouvet Triple Junction (February - May 1994), Bouvet Cruise Scientific Party ( including Sokolov S.Yu.), IX Italian Antarctic Expedition 1993-1994, Field Data Reports, Roma, 1995, p.46-53. (English)
14. Efimov V.N., Sokolov S.Yu., Efimov P.N., Gasperini L., Ligi M., The features of transverse ridge structure at passive part of Romanche fault zone, *Doklady Acad. of Sciences*, 1996, vol 348, n 6, p. 786-789. (Russian, Engl. Abstract)

15. Gasperini L., Bonatti E., Ligi M., Sartori R., Borsetti A., Negri A., Ferrari A. and Sokolov S.Yu. Stratigraphic numerical modelling of a carbonate platform on the Romanche transverse ridge, equatorial Atlantic. *Marine Geology*, Vol.136, Issue 3-4, Jan.1997, p. 245-257.(English)
16. Mazarovich A.O., Koltsova A.V., Sokolov S.Yu., Efimov V.N., The structure of Strakhov transform fault passive part at the East of Mid-Atlantic ridge, *Doklady Acad. of Sciences*, 1996, vol 349, n.4, p.511-515. (Russian, Engl.Abstract)
17. Efimov V.N., Koltsova A.V., Beresnev A.F., Golod V.M., Sokolov S.Yu., Zakharov M.V., The structure of sedimentary cover from Single-Channel Seismic Profiling data. // *Equatorial Segment of the Mid-Atlantic Ridge*, Intergovernmental Oceanographic Commission, Technical series n.46, UNESCO, 1996, p.19-24. (English)
18. Mazarovich A.O., Agapova G.V., Efimov V.N., Ligi M., Sokolov S.Yu., Turko N.N., Rikhter A.A. Passive Parts of Fracture zones in the Atlantic Ocean between 16°N and the Equator.//*Geotectonics*, 1997, n.5, p.85-94. (Russian, Engl.Abstract)
19. Mazarovich A.O., Agapova G.V., Efimov V.N., Sokolov S.Yu., Turko N.N., Shapovalova K.O. New Data on Fault Structure of Tropical Atlantic. Thesises of 6-th Zonenshain Conference on Plate Tectonics. Moscow. February 15-16. 1998. p.17-18. (English)
20. Mazarovich A.O., Sokolov S.Yu., Shapovalova K.O., Efimov V.N., Agapova G.V., Turko N.N. The Project of the Digital Geological-Geophysical Atlas of Tropical Atlantic. Thesises of 6-th Zonenshain Conference on Plate Tectonics. Moscow. February 15-16. 1998. p.18. (English)
21. Mazarovich A.O., Sokolov S.Yu. The newest deformations of sedimentary cover at passive parts of Arkhangelsky, Doldrums and Vernadsky transform faults (Atlantic ocean).// *Doklady Acad. of Sciences*. 1997. vol 357. n.6. p.801-804. (Russian, Engl.Abstract)
22. Mazarovich A.O., Sokolov S.Yu. Tectonic position of hydrothermal fields on the Mid-Atlantic ridge.// *Lithology and Natural Resources*. 1998. n.4. p.436-439. (Russian, Engl.Abstract)
23. Mazarovich A.O., Sokolov S.Yu., Shapovalova X.O., Efimov V.N., Agapova G.V., Turko N. N. The Project of the Digital Geological-Geophysical Atlas of Tropical Atlantic. // *Tectonic and Geodynamic: Global and Regional Problems*. Transactions of 31 Tectonic Meeting. Vol. 1. Moscow. GEOS. 1998. P. 319-321. (Russian)
24. Mazarovich A.O., Agapova G.V., Efimov V.N., Sokolov S.Yu., Turko N. N. Shapovalova X.O. Features of the Structure of the Fracture Zones of tropical Atlantic. // *Tectonic and Geodynamic: Global and Regional Problems*. Transactions of 31 Tectonic Meeting. Vol. 1. Moscow. GEOS. 1998. P. 317-319. (Russian)
25. Bulychev A.A., Gasperini L., Gilod D.A., Zittelini N., Kul'kov E.Yu., Lodolo E., Ligi M., Mazarovich A.O., Sokolov S.Yu., Shreyder A.A. Spreading at the Eastern Part of African-Antarctic Ridge on the base of detail Magnetic Surveys in the Bouvet Island Region. // *Okeanologiya*. 1998. Vol.38. N 3. P. 445-452. (Russian, Engl.Abstract)
26. Mazarovich A.O., Sokolov S.Yu. Angola Basin Faults.// *Russian Journal of Earth Sciences*. 1999. March. Vol. 1. N. 3. (Russian, English)
27. Mazarovich A.O., Sokolov S.Yu. Tectonic of central Atlantic: Fractures, Volcanic Edifices and Oceanic Lithosphere Deformations.// *PACON'99. Symposium Theses*. June 23-25, 1999. RAS. Moscow. p.131. (English)
28. Sokolov S.Yu. Correlation of Mantle Bouguer Anomalies with Results of Upper Mantle Seismic Tomography at Central Atlantic.// *PACON'99. Symposium Theses*. June 23-25, 1999. RAS. Moscow. p.187. (English)
29. Agapova G.V., Mazarovich A.O., Sokolov S.Yu. Contribution of Russia to Investigation of Ocean Floor.// *PACON'99. Symposium Theses*. June 23-25, 1999. RAS. Moscow. p.314. (English)

30. Fabretti P., Bonatti E., Peyve A., Brunelli D., Cipriani A., Dobrolyubova X., Efimov V., Erofeev S., Gasperini L., Hanley J., Ligi M., Perfiliev A., Rastorguev V., Raznitsyn Yu., Savelieva G., Semjenov V., Simonov V., Sokolov S.Yu., Skolotnev S., Susini S., Vekentyev I. First results of cruise S19 (PRIMAR Project): petrological and structural investigations of the Vema Transverse Ridge (equatorial Atlantic).// *Giornale di Geologia (Bologna)*, ser. 3a. vol.60. 1998. p.3-16. (English)
31. Sokolov S.Yu., Efimov V.N., Mazarovich A.O., Averyanov S.B., Erofeev S.A., Evgrafov L.M., Bortoluzzi G., Gasperini L., Ligi M. Structure of the Sedimentary Cover in the Western African-Antarctic Ridge, Southern Atlantic.// *Doklady Acad. of Sciences*. 1999. vol 366. n.2. p.231-235. (Russian, Engl.Abstract)
32. Puscharovsky Yu. M., Mazarovich A.O., Melankholina E.N., Mossakovsky A.A., Peyve A.A., Perfil'ev A.S., Raznitsyn Yu.N., Ruzhentsev S.V., Skolotnev S.G., Sokolov S.Yu. Ocean Tectonics in Terms of New Data. // *Problems of the Lithosphere Geodynamics*. M.: Nauka. 1999. p.63-81.(Russian)
33. Peyve A.A., Turko N.N., Skolotnev S.G., Suschevskaya N.M., Ligi M., Fabretti P., Mazarovich A.O., Sokolov S.Yu., Gilod D.A. Bouvet Triple Junction: Features of Structure and Evolution. // *Problems of the Lithosphere Geodynamics*. M.: Nauka. 1999. p.91-109.(Russian)
34. Dmitriev L.V., Sokolov S.Yu., Melson W. G., O'Hirn T. Plum and Spreading Basaltic Associations and their Reflection in Petrological and Geophysical Parameters of Mid Atlantic Ridge Northern Part. // *Russian Journal of Earth Sciences*. 1999. November. Vol. 1. N. 6. (Russian, English)
35. Dmitriev L.V., Bazylev B.A., Silant'ev S.A., Borisov M.V., Sokolov S.Yu., Bougault A. Hydrogen and Methane Formation During Serpentinization of Mantle Ultramafic Rocks of Ocean and Oil Origin. // *Russian Journal of Earth Sciences*. 1999. November.
36. Peyve A., Bonatti E., D. Brunelli, A. Chilikov, A. Cipriani, K. Dobrolyubova, V. Efimov, S. Erofeev, V. Ferrante, L. Gasperini, R. Hekinian, M. Ligi, G. Maurizio, A. Mazarovich, A. Perfiliev, Y. Raznitsin, G. Savelieva, B. Sichler, V. Simonov, S. Skolotnev, S. Sokolov, N. Turko. New data on some major MAR structures: preliminary results of R/V Akademik Nikolaj Strakhov 22 cruise. // *InterRidge News*. Vol.9 (2). Fall 2000. p. 28.
37. Dmitriev L.V., Silantiev S.A., Plechova A.A., Sokolov S.Yu. Comparison of Basaltic magmatism in different spreading rates conditions on example of Mid-Atlantic ridge (MAR) and East Pacific Rise (EPR). // *Russian Journal of Earth Sciences*. Vol 2, N 3, December 2000.
38. Mazarovich A.O., Peyve A.A., Dobrolyubova K.O., Raznitsyn Yu.N., Savelieva G.N., Skolotnev S.G., Sokolov S.Yu., Turko N.N., Simonov V.A., Kovyazin S.V. Perspectives of hydrothermal field discovery at are of Sierra-Leone fracture zone. // *Geology and Geophysics of mid oceanic ridges*. Russian branch of InterRidge. (23-25 May 2001). p. 61.
39. Mazarovich A.O., Sokolov S.Yu., Turko N.N., Dobrolyubova K.O., Efimov V.N. Relief and deformations of ocean crust at passive parts of transform faults in Cape-Verde basin. // *Geology and Geophysics of mid oceanic ridges*. Russian branch of InterRidge. (23-25 May 2001). p. 39.
40. Mazarovich A.O., Sokolov S.Yu., Agapova G.V., Dobrolyubova K.O., Efimov V.N. Evaluation of an opportunity to receive a new scientific information from computer processing of maps (on an example of San-Paulu Fracture zone active part) // *Geology and Geophysics of mid oceanic ridges*. Russian branch of InterRidge. (23-25 May 2001). p. 38.
41. Dmitriev L.V., Sokolov S.Yu., Koronovsky N.V., Sokolov N.S. Migration of Azor superplume from petrological and geophysical parameters correlation data. // *Geology and Geophysics of mid oceanic ridges*. Russian branch of InterRidge. (23-25 May 2001). p. 11.
42. Mazarovich A.O., Sokolov S.Yu., Agapova G.V., Dobrolyubova K.O., Efimov V.N. Computer

- technologies used to obtain new information on crustal structure in oceanic fracture zones: A case study on the active segment of Sao Paulo Fracture Zone, Central Atlantic. // Russian Journal of Earth Sciences. Vol. 3, N. 1, March 2001.
43. L.V.Dmitriev, B.A.Bazylev, M.V.Borisov, H.Bougault, S.A.Silantiev, S.Yu.Sokolov The serpentinization of the oceanic mantle peridotites and the Earth fluid regime. // European Geophysical Society. 26<sup>th</sup> General Assembly. 2001. Geoph. Res. Abs. 3. 795.
  44. L.V.Dmitriev, N.V. Koronovsky, S.Yu. Sokolov, N.S. Sokolov Tectonic-magmatic history of the North Atlantic lithosphere formation by the isochrone gravity profiling. // European Geophysical Society. 26<sup>th</sup> General Assembly. 2001. Geoph. Res. Abs. 3. 818.
  45. L.V.Dmitriev, S.A. Silantiev, S.Yu. Sokolov Plume and spreading TOR assemblages, spreading rate, ridge segmentation and geophysical fields distribution. // European Geophysical Society. 26<sup>th</sup> General Assembly. 2001. Geoph. Res. Abs. 3. 819.
  46. Mazarovich A.O., Dobrolyubova X.O., Efimov V.N., Sokolov S.Yu., Turko N.N. Relief and deformations of the oceanic crust to the south from Cape Verde islands (Atlantic Ocean). // Doklady Acad. of Sciences. 2001. V. 379. # 3. P.362-366.
  47. Dmitriev L.V., Sokolov S.Yu. Distribution of plume and spreading basaltic associations in the global system of Mid-Oceanic ridges // Theses of 7-th Zonenshain Conference on Plate Tectonics. Moscow-S.Peterburg. October 30-31. 2001. p. 30.
  48. Mazarovich A.O., V.A.Simonov, A.A.Peyve, S.V. Kovyazin, G.A. Tretyakov, Yu.N.Raznitsyn, G.N.Savelieva, S.G.Skolotnev, Sokolov S.Yu., Turko N.N. Hydrothermal Mineralization at Sierra-Leone fracture zone (Central Atlantic) // Lithology and Natural Resources. 2001. # 5. P. 526 – 533.
  49. Mazarovich A.O., Dobrolyubova X.O., Efimov V.N., Sokolov S.Yu., Turko N.N. Bogdanov fracture zone in the Central Atlantic Ocean: The first Description (Topography and Sediments) // Geotectonics. 2001. # 6. P. 75-83.
  50. Peyve A.A., Dobrolyubova X.O., Efimov V.N., Cipriani A., Ligi M., Mazarovich A.O., Perfiliev A.S., Raznitsyn Yu.N., Savelieva G.N., Simonov V.A., Skolotnev S.G., Sokolov S.Yu., Turko N.N. The features of the Sierra-Leone fracture zone region structure (Central Atlantic) // Doklady Acad. of Sciences. 2001. V. 377. # 6. P.803-806.
  51. Dmitriev L.V., Sokolov S.Yu., Sokolov N.S. Migration of the Azores superplume: geophysical and petrologic evidence // Russian Journal of Earth Sciences. Vol. 3. # 6. December 2001. P. 395-404.
  52. Mazarovich A.O., Sokolov S.Yu., Turko N.N., Dobrolyubova K.O. Seafloor topography and structure of the rift zone of the Mid-Atlantic Ridge between 5° and 7°18'N. // Russian Journal of Earth Sciences. Vol. 3. # 5. November 2001. P. 353-370.
  53. Mazarovich A.O., Sokolov S.Yu. Hydrothermal fields in the Mid-Atlantic ridge: Setting and prospects for futher discoveries. // Russian Journal of Earth Sciences. Vol. 4. # 6. December 2002. P. 423-431.
  54. Mazarovich A.O., Sokolov S.Yu. Northwest-trending fracture zones in the central Atlantic ocean // Geotectonics. 2002. # 3. P. 87-94.
  55. Mazarovich A.O., Sokolov S.Yu. Mid-Atlantic Ridge Sulfide Prospects. // R-ridge-03. Workshop of Russian InterRidge. Moscow. 1-3 October 2003. GEOKHI RAS. P. 30.
  56. Dmitriev L.V., Sokolov S.Yu. Plume and spreading basalt assemblages in the global system of the Mid-ocean ridges. // Mantle plums and metallogeny. Workshop. 4-7 September 2002. Petrozavodsk-Moscow. 2002. P. 330.
  57. Mazarovich A.O., Sokolov S.Yu. North-West fracture zones control of the Mid-Atlantic Ridge relief and intraplate seismicity. // R-ridge-03. Workshop of Russian InterRidge. Moscow. 1-3

- October 2003. GEOKHI RAS. P. 31.
58. Dmitriev L.V., Sokolov S.Yu. Geodynamics of three Contrasting Types of Oceanic Magmatism and their reflection in the Seismic tomography // Petrology. 2003. Vol 11. # 6. p. 597-613.
  59. Mazarovich A.O., Sokolov S.Yu. Tectonic subdivision of the Chukchi and East Siberian Seas. // Russian Journal of Earth Sciences. Vol. 5. # 3. June 2003. P. 185-202.
  60. Dmitriev L.V., Sokolov S.Yu., Melson W.G., O'Hearn T., Plechova A.A., Jarosewich E. Petrology of the East-Pacific Rise // Intern. Geological-Geophysical Atlas of the Pacific Ocean. IOC UNESCO. Moscow-S.-Peterburg, 2003. p. 85.
  61. Lukina N.V., Patyk-Kara N.G., Sokolov S.Yu. Neotectonic Structures and Active Faults of Russian Arctic Shelf. // Geology and Mineral Resources of the Russian Shelf Areas. Atlas ed. by Alekseev M.N. M.: Scientific world, 2004. Plates 3-3, 3-4. (Russian, English)
  62. Mazarovich A.O., Sokolov S.Yu. Anisotropy of Atlantic Ocean Intraplate deformations // Modern Problems Of Geology. M.: Nauka, 2004. P. 221-250. (Proc.GIN RAS. Vol. 565)
  63. Dmitriev L.V., Sokolov N.S., Sokolov S.Y. Statistical estimation of the geophysical fields and basalt assemblages distribution in the Central Atlantic. // Goldschmidt-2004 (Copenhagen, June 5-11, 2004). Abstract volume. 2004. P. A709
  64. Mazarovich A.O., Sokolov S.Yu. Inhomogeneity of Atlantic ocean intraplate deformations // Tectonics of the Earth crust and Mantle. Tectonic control on natural resources displacement. Proceedings of XXXVIII Tectonic Conference. Vol. 1. M.: GEOS, 2005. P.400-403.
  65. Sokolov N.S., Sokolov S.Yu., Dmitriev L.V. Geodynamic mapping of the Equatorial Atlantic lithosphere by the data of cluster analysis on geological and geophysical parameters and data of a major petrologic types of basalts localization // Russian-RIDGE Abstract volume. VII Okeangeologia. St. Petersburg. 6-8 June 2005. P 25-26.
  66. L.V.Dmitriev, S.Yu.Sokolov, A.A.Plechova, W.G.Melson, T.O'Hearn. The new dat on petrology and geodynamics of the World Mid-Ocean ridge basalt system // Russian-RIDGE Abstract volume. VII Okeangeologia. St. Petersburg. 6-8 June 2005. P P 16-17.
  67. Mazarovich A.O., Sokolov S.Yu. Marginal seas of the Russia North-East tectonic problems // Geology of oceans and seas: Theses of XVI International workshop of marine geology. Vol 2. - M.: GEOS. 2005. - P. 315.
  68. Leonov M.G., Khain V.E., Baluev A.S., Zayonchek A.V., Kuzmichev A.B., Mazarovich A.O., Polyakova I.D., Sokolov S.D., Sokolov S.Yu., Khutorskoi M.D. Tectonics and petroleum potential of Arctic passive margin: problems and solutions // Theses of International Scientific Conference "Arctic oil and gas". Moscow. 27-29 June 2006. M.: Gubkin RGU oil and gas. 2006. P. 16-17.
  69. L.V.Dmitriev, Sokolov S.Yu., A.A.Plechova. Statistical Assessment of Variations in the Compositional and P-T Parameters of the Evolution of Mid-Oceanic Ridge Basalts and Their Regional Distribution // Petrology. 2006. V.14. №3. C.227-247.
  70. Sokolov S.Yu. The Map of sedimentary cover predicted thickness of the East Siberian Sea derived from the satellite altimetry data // Doklady RAS. 2008, VOL 418, № 5, P. 655–659.
  71. K.O. Dobrolyubova, N.P. Chamov, S.Yu. Sokolov New data on geomorphology of the northern part of the Knipovich ridge // GEOLOGY of SEAS and OCEANS. Contributions to XVII International Scientific conference (School) on marine geology. Moscow, 12-16 November 2007. VOL IV. M.: Geos, 2007. P.68-70.
  72. A.V. Zayonchek, K.O. Dobrolyubova, A.A. Peyve, S.Yu. Sokolov, N. P. Chamov, E.P. Rodionova, V.Yu. Lavrushin, A.E. Eskin, N.M. Sushevskaya, V.N. Efimov, A.S. Abramova, Yu.E. Baramykov, Yu.A. Zarajskaya, A.S. Ponomarev, E.A. Letyagina, Yu.A. Malikina, A.D. Mutovkin, V.V. Usov, A.A. Chernykh, K.P. Yampol'sky New data about structure of continental

- edge of Atlantic Ocean to the west of Schpizbergen archipelago // GEOLOGY of SEAS and OCEANS. Contributions to XVII International Scientific conference (School) on marine geology. Moscow, 12-16 November 2007. VOL IV. M.: Geos, 2007. P.82-84.
73. S.G. Skolotnev, S.Ju. Sokolov, A.A. Peyve, N.N. Turko The peculiarities of the crustal accretion in the crestal part of the Mid-Atlantic Ridge in the zone of melting of anomalous mantle near Martin Vaz fracture zone (the South Atlantic) // GEOLOGY of SEAS and OCEANS. Contributions to XVII International Scientific conference (School) on marine geology. Moscow, 12-16 November 2007. VOL IV. M.: Geos, 2007. P.250-252.
  74. Skolotnev S.G., Turko N.N., Sokolov S.Yu., Peyve A.A., Tsukanov N.V., Kolodyazhnyy S.Yu., Chamov N.P., Baramykov Yu.E., Ponomarev A.S., Efimov V.N., Eskin A.E., Petrova V.V., Golovina L.A., Lavrushin V.Yu., Letyagina E.A., Shevchenko E.P. , Krivosheya K.V., Zotov L.V. New data concerning the geological structure of transition zone between the Cape Verde Rise, the Cape Verde basin and the Bathymetrist Seamounts (Central Atlantic)// Doklady RAS. 2007. V. 416. № 4. P. 525–529.
  75. A.A. Peyve, A.V. Zayonchek, N.P. Chamov, N.M. Sushchevskaya, S.Yu. Sokolov, E.P. Radionova, V.Yu. Lavrushin, K.O. Dobrolyubova, A.E. Eskin Northern part of Knipovich ridge geological structure // Russian-RIDGE Abstract volume. IGEM RAS. Moscow. 5-7 June 2007. P. 28.
  76. S.Yu. Sokolov, N.S. Sokolov Transoceanic East-West zones with “forearc” properties cross MAR and abyssal plains of Atlantic Ocean // Russian-RIDGE Abstract volume. IGEM RAS. Moscow. 5-7 June 2007. P. 35-36.
  77. S.Yu. Sokolov New mechanism for horizontal movement of tectonically active masses of the Earth crust and lithosphere // Common and regional problems of tectonics and geodynamics. Materials of XLI Tectonic conference. Vol. 2. M.: GEOS. 2008. P. 278-282.
  78. Skolotnev S.G., Kolodyazhnyy S.Yu., S.Yu. Sokolov, Tsukanov N.V., Chamov N.P. Neotectonic of the active segments of marginal-oceanic areas of atlantic pattern (eastern flank of Central Atlantic) // Fundamental problems of Geotectonics. Regions of active tectonogenesis in modern and ancient Earth history. Materials of XL Tectonic conference. Vol. 2. M.: GEOS. 2007. P. 205-208.
  79. Sokolov S.Yu., Sokolov N.S., Dmitriev L.V. Geodynamic zonation of the Atlantic Ocean lithosphere: Application of cluster analysis procedure and zoning inferred from geophysical data // Russian Journal of Earth Sciences. Vol. 10. ES4001, doi:10.2205/2007ES000218, 2008. p.1-30
  80. Chamov N.P., Dobrolyubova K.O., Peyve A.A., Sokolov S.Yu. Evidence of gashydrates in upper part of sedimentary cover adjacent to Molloy fault zone (Fram strait, Norwegian-Greenland basin) // Bull. Moscow Nature Challengers Society, Geol. Dep. 2008. V. 83, N. 2. P.51-60.
  81. Sokolov S.Y. Horizontal plates movements could be explained by redistribution of geological masses to have diagonal values of inertia tensor. 33 IGC. Oslo. 2008. 6-14 August. Abstract Volume. STT-09 New concepts in global tectonics. 1350861.
  82. Leonov M.G., Baluev A.S., Kuzmichev A.B., Leonov Y.G., Mazarovich A.O., Polyakova I.D., Sokolov S.D., Sokolov S.Yu., Khain V.E., Khutorskoi M.D. Tectonics of the Russian Arctic Shelf as investigation object of Geological Institute RAS // Arctic Oil and Gas. Proc. Int. Sci. Conference. Ed. By V.P.Gavrilov. M.: Intercontact Hauka. 2007. P. 12-34.
  83. Sokolov S.Yu. Tectonic Elements of the Arctic Region Inferred from Small-Scale Geophysical Fields // Geotectonics, 2009, Vol. 43, No. 1, pp. 18–33.
  84. S. G. Skolotnev, S. Yu. Kolodyazhnyi, N. V. Tsukanov, N. P. Chamov, Sokolov S.Yu. Neotectonic structures at the junction zone of Cape Verde High and Cape Verde abyssal plain (Central Atlantic) // Geotectonics, 2009, Vol. 43, No. 1, pp. 59-77.

85. Mazarovich A.O., Sokolov S.Yu., Abramova A.S., Zaraiskaya Yu.A., Efimov V.N., Moroz E.A. Relief of Barents Sea northern Part and Arctic ocean continental slope // *Geology of The Earth Polar Areas. Proceedings of the XLII Tectonic conference. V. 2. Moscow. GEOS, 2009. P.27-29.*
86. Sokolov S.Yu. Residual Bouguer Anomalies of Arctic offshore – the source of additional information on tectonic structure of basement // *Geology of The Earth Polar Areas. Proceedings of the XLII Tectonic conference. V. 2. Moscow. GEOS, 2009. P.199-202.*
87. A. V. Zayonchek, A. O. Mazarovich, V. Yu. Lavrushin, S. Yu. Sokolov, M. D. Khutorskoy, A. S. Abramova, R. Kh. Aliulov, V. R. Akhmedzyanov, Yu. A. Zaraiskaya, A. V. Ermakov, V. N. Efimov, E. A. Moroz, A. A. Peive, D. A. Prokhorov, E. P. Radionova, Yu. N. Raznitsyn, A. A. Razumovskii, A. A. Chernykh, and K. P. Yampol'skii. Geological–Geophysical Studies in the Northern Barents Sea and on the Continental Shelf of the Arctic Ocean during Cruise 25 of the R/V Akademik Nikolai Strakhov // *Doklady Earth Sciences, 2009, Vol. 427, No. 5, pp. 740–745. (DOI: 10.1134/S1028334X09050080)*
88. Sokolov S.Yu., Mazarovich A.O. Gas Hydrates in the Sedimentary Cover of Passive Oceanic Margins: Possibilities of Prediction Based on Satellite Altimetry Data in the Atlantic and Arctic // *Lithology and Mineral Resources. 2009. Vol. 44. No. 5. pp. 441–450.*
89. Sokolov S.Yu. Anomalous kinematic types of the earthquakes at Mid Atlantic Ridge and their geodynamic interpretation // *Russian-RIDGE VI. Abstract volume. VNIIOkeanologiya. St-Peterburg. 6-7 June 2009. P. 34-35.*
90. Sokolov S.Yu. Anomalous kinematic types of the earthquakes at Atlantic Ocean and their geodynamic interpretation // *GEOLOGY of SEAS and OCEANS. Contributions to XVIII International Scientific conference (School) on marine geology. Moscow, 16-20 November 2009. VOL. V. M.: Geos, 2009. P.153-155.*
91. Zayonchek A.V., Brekke H., S.Yu. Sokolov, A.V. Ermakov, V.N. Efimov, Yu.A. Zaraiskaya, V.R. Akhmedzyanov, N.D. Kalinin, A.V. Kokhan, E.A. Moroz, D.M. Ol'shanetskii, A.A. Razumovskii, Yampol'skii K.P. Structure of the Transition Zone from the Barents Sea Shelf to the Knipovich Ridge Northward from Medvezhii Island (Preliminary Results of the 26th Cruis of R/V Akademik Nikolaj Strakhov) // *Doklady Earth Sciences, 2010, Vol. 430, Part 2, pp. 265–270.*
92. Sokolov S.Yu. Mantle structure from seismic tomography data at transatlantic latitudinal profile, crossing MAR at Kane fracture zone // *Tectonics and Geodynamics of Phanerozoic fold belts and platforms. Proceedings of the XLIII Tectonic conference. V. 2. M.: GEOS, 2010. P.293-296.*
93. Kokhan A.V., Grokholsky A.L., Abramova A.S., Dubinin E.P., Sokolov S.Yu. Structure-forming deformations on Knipovich ridge (physical modeling) // *Geophysical Research Abstracts. Vol. 12. EGU2010-7143. 2010.*
94. Zayonchek A.V., H. Brekke, S.Yu. Sokolov, A.O. Mazarovich, K.O. Dobrolyubova, V. N. Efimov, A.S. Abramova, Yu.A. Zaraiskaya, A.V. Kokhan, E.A. Moroz, A.A. Peive, N.P. Chamov, Yampol'skii K.P. The Structure of Continent-Ocean transition zone at North-West Barents Sea Margin (results of 24–26-th cruises of RV “Akademik Nikolaj Strakhov”, 2006-2009 ) // *Structure and evolution of the Lithosphere. Contribution of Russia to International Polar Year. Vol.4. M.: Paulsen, 2010. P.111-157.*
95. Silantyev S.A., Sokolov S.Y. Influence of rheologic heterogeneities of mantle at Mid-Atlantic Ridge zone on isotopic and geochemical parameters of magmatism and hydrothermal ores distribution // *New horizons for investigation of magma and ores formation processes. Proceedings of scientific conference. Moscow: Institute of ore geology, petrography, mineralogy and geochemistry (IGEM RAS). 8-11 november 2010. - M.: IGEM RAS, 2010. P.153-154.*
96. Chamov N.P., Sokolov S.Yu., Kostyleva V.V., Efimov V.N., Peive A.A., Aleksandrova G.N., Bylinskaya M.E., Radionova E.P., Stupin S.I. Structure and Composition of the Sedimentary

- Cover in the Knipovich Rift Valley and Molloy Deep (Norwegian–Greenland Basin) // *Lithology and Mineral Resources*, 2010, Vol. 45, No. 6, pp. 532–554.
97. Sokolov S.Yu. The markers of different geodynamical factors activity at Atlantic Ocean: anomalous earthquake focal mechanisms, fracture zones density and other data // *Modern state of Earth sciences. International conference in memoriam of V.E. Khain. 1-4 February 2011, Moscow, Russia. P.1767-1770.*
  98. Sokolov S.Yu. Tectonic Evolution of the Knipovich Ridge Based on the Anomalous Magnetic Field // *Doklady Earth Sciences*, 2011, Vol. 437, Part 1, pp. 343–348.
  99. Zayonchek A., Brekke H., Leonov Ju., Sokolov S., Mazarovich A., Hytorskoy M. The results of R/V “Academic Nikolai Strakhov” cruises in the north part of the Barents Sea and the Knipovich Ridge // *NGF Abstracts and Proceedings of the Geological Society of Norway. Arctic Days 2010. Number 2, 2010. P.55*
  100. Moroz E.A., Mazarovich A.O., Abramova A.S., Efimov V.N., Zaraiskaya J.A., Sokolov S.Yu. Neotectonics of north-west of Barents Sea // *Geology and geoecology of Eurasian continental margins. Issue 2. M.:GEOS, 2010. P.161-173.*
  101. Sokolov S.Yu., Silantyev S.A. Dependence of magnetic anomalies intensity at northern part of MAR axis from contents of FeO in basalt glasses // *Main Results in Russian Study of the Mid-Oceanic Ridge Processes in First Decade of XXI. Workshop of Russian branch of InterRidge Project. 1-2 June 2011. IGEM RAS, Moscow. P. 82-83.*
  102. Zayonchek A. V., S. Yu. Sokolov, A. O. Mazarovich, A. V. Ermakov, A. A. Razumovskii, V. R. Akhmedzyanov, A. A. Barantsev, N. S. Zhuravko, E. A. Moroz, E. A. Sukhikh, M. M. Fedorov, Yampol’skii K. P. Structure of the Transition Zone between Hovgaard Ridge and Spitsbergen Plateau according to the Data Obtained during Cruise 27 of the RV Akademik Nikolai Strakhov // *Doklady Earth Sciences*, 2011, Vol. 439, Part 2, pp. 1054–1059.
  103. Yampol’skii K. P., Sokolov S. Yu. The features of Bouguer anomalies and sedimentary cover of Knipovich Ridge northern part // *GEOLOGY of SEAS and OCEANS. Contributions to XIX International Scientific conference (School) on marine geology. Moscow, 14-18 November 2011. VOL. V. M.: Geos, 2011. P. 224-228.*
  104. Soloviev A.V., Mazarovich A.O., Galaktionov A.A., Verzhbitsky V.E., Khisamutdinova A.I., Sokolov S. Yu., Rozhkova D.V., Ol’shanetsky D.M. New data on structure and evolution of West Kamchatka sedimentary basin// *Sedimentary basins and geological objectives for prediction of new objects with oil and gas perspectives. Proceedings of the XLIV Tectonic conference. M.: GEOS, 2012. P. 414-418.*
  105. Yampol’skiy K. P., Sokolov S. Yu. Sedimentary Cover and Bouguer Anomalies in the Northern Part of the Knipovich Ridge // *Doklady Earth Sciences*, 2012, Vol. 442, Part 2, pp. 188–192.
  106. Trifonov V.G., Sokolov S. Yu. Asthenospheric currents as a source for transfer and deformations of lithosphere // *Modern Tectonophysics. Methods and results. Proceedings of Second school seminar for Young scientists. – M.: O.Y. Schmidt Institute of Earth Physics, 2011. Vol. 2. P. 185-190.*
  107. Sokolov S. Yu., Trifonov V.G. Role of the Asthenosphere in Transfer and Deformation of the Lithosphere: The Ethiopian–Afar Superplume and the Alpine–Himalayan Belt // *Geotectonics*. 2012. Vol. 46. No. 3. pp. 171–184.
  108. Sokolov S. Yu., Abramova A.S., Mazarovich A.O., Zaraiskaya Yu.A., Dobrolubova K.O. Geodynamic interpretation of Knipovich ridge northern part fracture system // *Geological history, possible mechanisms and problems of basin formation with oceanic and anomalous thin crust at the provinces with continental lithosphere. Proceedings of the XLV Tectonic conference. M.: GEOS, 2013. P. 212-214.*



109. Sokolov S. Yu., Abramova A.S., Zaraiskaya Yu.A., Mazarovich A.O., Dobrolubova K.O. Recent Tectonics in the Northern Part of the Knipovich Ridge, Atlantic Ocean // *Geotectonics*, 2014, Vol. 48, No. 3, pp. 175–187. DOI: 10.1134/S0016852114030066
110. Trifonov V.G., Sokolov S.Yu. Late Cenozoic tectonic uplift producing mountain building in comparison with mantle structure in the Alpine-Himalayan Belt // *International Journal of Geosciences*. 2014. V.5. pp. 497-518. DOI: 10.4236/ijg.2014.55047
111. Chamov N.P., Sokolov S.Y., Zaraiskaya Yu.A., Moroz E.A. Mapping of fluid saturated sediments of upper parts of section, and related to them bottom topography forms and water column sound scattering objects in Russian sector of Barents Sea // *Conditions of Arctic seas and territories under the climate change. Theses of Allrussian Conference*. 18-19 September. 2014. Section 3. Archangelsk: Publ. NAFU, 2014. p. 101-102.
112. Sokolov S.Y. Condition of geodynamic mobility in mantle based on data from seismic tomography and P and S waves velocity ratio // *Bulletin of Kamchatka Regional Association "Educational-Scientific Center"*. Earth Sciences. 2014. № 2 (24). P. 55-67.
113. Sokolov S.Y. Deformations of Equatorial Atlantic sedimentary cover and its comparison with potential fields // *Tectonics and Geodynamics of Continental and Oceanic Lithosphere: common and regional aspects*. Proceedings of the XLVII Tectonic conference. M.: GEOS, 2015. V.2. P. 172-175.
114. Chamov N.P., Kostyleva V.V., Sokolov S.Y., Kotel'nikov A.E. On the possible influence of gas fluids to composition of bottom sediments at the Fedynsky uplift (Barents Sea) // *Herald of RUPF. Seria of Engineering Investigations*. 2015. N 1, P. 62-72
115. Chamov N.P., Sokolov S.Y., Moroz E.A., Zarayskaya Y.A., Abramova A.S., Dobrolyubova K.O. On the project of GIN RAS and the detection of accumulation and degasation release features of fluids in sedimentary cover of Barents Sea // *All Russian conference "Arctic - oil and gas 2015"*, 21-23 april 2015. MinObrNauki RF, FANO RF, RGUNG, IPNG RAS, 2015, p.1-2.
116. Sokolov S.Yu., Zarayskaya Y.A., Mazarovich A.O., Sokolov N.S. Instable location of rift at polytransform fault systems (on example of San-Paulu transform fault system, Atlantic ocean) // *Oceanic Core Complexes and Hydrothermalism. Workshop of Russian branch of InterRidge Project*. 1-2 June 2015. IGEM RAS, Moscow. P. 108-109.
117. Trifonov V.G., Sokolov S.Yu. Toward postplate-tectonics // *Herald RAS*. 2015. V.85. N4. P.331–341
118. Trifonov V.G., Sokolov S.Yu., Bachmanov D.M. Neotectonic uplift and mountain building in the Alpine-Himalayan Belt. Lambert Academic Publishing. 2015. 164 p. ISBN-13: 978-3-659-61748-5.
119. Sokolov S.Yu., Abramova A.S. Mapping of vertical fault amplitudes in deep ocean environmet using data of subbottom profiler // *GEOLOGY of SEAS and OCEANS. Contributions to XXI International Scientific conference (School) on marine geology*. Moscow, 16-20 November 2015. VOL. V. M.: Geos, 2015. P. 252-255.
120. Sokolov S.Yu. Strike-slip mode of tectogenesis in the Atlantic ocean and its relationship with geodynamic state of upper mantle and intraplate deformations // *Tectonics, geodynamics and ore production of folded belts and platforms*. Proceedings of the XLVIII Tectonic conference. M.: GEOS, 2016. V.2. P. 178-184.
121. Sokolov S.Yu., Mazarovich A.O. Cluster analysis of geological and geophysical parameters of the Arctic region as the base for geodynamic interpretation // *Geodynamics & Tectonophysics*. 2016. V.7 N.1. p.59–83.

122. Sokolov S. Yu., Zaraiskaya Yu. A., Mazarovich A. O., Efimov V. N., Sokolov N. S. Spatial Instability of the Rift in the St. Paul Multifault Transform Fracture System, Atlantic Ocean // *Geotectonics*. 2016. Vol. 50. No. 3 pp. 223–237.
123. Abramova A.S., Sokolov S. Yu., Moroz E.A. Mapping of neotectonic elements within the structures of Mid Oceanic ridge from subbottom profiler data // *Proceedings of V International conference of young scientists and professionals «New frontiers in geology and geophysics at Arctic, Antarctic and World ocean»*, in 100-d birthday anniversary of V.N.Sokolov / Ed. D.E.Dorechkina. SPb.: FGBU «VNIIOkeangeologiya», 2016. pp.80-81
124. Sokolov S. Yu. Tectonic Peculiarities Of The Mid-Atlantic Ridge Based On Data On Correlation Between Surface Parameters And Geodynamic State Of The Upper Mantle // *Bulletin of Kamchatka Regional Association "Educational-Scientific Center". Earth Sciences*. 2016. № 4 (32). P. 88-105.
125. Sokolov S.Yu., Abramova A.S., Zaraiskaya Yu.A., Moroz E.A., Dobrolyubova K.O. Lithosphere Evolution Of The Franz-Josef Land Archipelago Based On Mapping The Bottom Denudations Of Magma Bodies // *Monitoring. Science and Technology*. 2016. № 4(29). P. 14-19.
126. Sokolov S.Yu. Sedimentary Cover Deformations in the Equatorial Atlantic and Their Comparison with Geophysical Fields // *Geotectonics*. 2017. V.51. N.1. P. 74–88
127. Kostyleva V.V., Chamov N.P., Lyapunov S.M., Sokolov S.Yu., Kotelnikov A.E. Composition And Origin Of Postglacial Bottom Sediments From Central And Northeastern Parts Of The Barents Sea (Russian Sector) // *RUDN Journal of Engineering Researches*. 2016. № 3. P.52-63
128. Sokolov S.Yu., Abramova A.S., Zaraiskaya Yu.A., Moroz E.A., Dobrolyubova K.O. Processes of Lithosphere Evolution Of The Franz-Josef Land Archipelago Based On Mapping The Bottom Denudations Of Magma Bodies // *Tectonics of Modern and Ancient Oceans and their Margins. Proceedings of the XLIX Tectonic conference*. M.: GEOS, 2017. V.2. P. 208-212.
129. Sokolov S.Yu., Silantyev S.A. Analysis of the distribution of geochemical features of MAR peridotites along its axis and footwall position of seismic tomography anomaly // *Mid Oceanic Ridges: new data on geological structure, ore potential and ecology of hydrothermal systems. X workshop of project Russian Ridge 2017. 1-2 June*. SPb.: VNIIOkeangeologiya. P. 140-142.
130. Dobrolyubova K.O., Sokolov S.Yu., Abramova A.S. Evolution Of Spreading Basins Based On Wedge-Shaped Pattern Of Anomalous Magnetic Field Data // *Mid Oceanic Ridges: new data on geological structure, ore potential and ecology of hydrothermal systems. X workshop of project Russian Ridge 2017. 1-2 June*. SPb.: VNIIOkeangeologiya. P. 102-104.
131. Sokolov S.Yu., Moroz E.A., Abramova A.S., Zaraiskaya Yu.A., Dobrolyubova K.O. Mapping of Sound Scattering Objects in the Northern Part of the Barents Sea and Their Geological Interpretation // *Oceanology*. 2017. V. 57. No.4. pp. 593–599.