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2012 г. – Лауреат премии Правительства Российской Федерации в области науки и техники за создание фундаментальной основы исследования океанского гидротермального рудообразования, открытие крупных объектов в Международном районе океана и получение права на их разведку в целях расширения минерально-сырьевого потенциала и укрепления геополитического статуса Российской Федерации (коллектив авторов).

## Список основных публикаций:

1. **LEIN, AY; BOGDANOV, YA; LISITZIN, AP.**  
PROCESSES OF HYDROTHERMAL ORE GENESIS IN THE WORLD OCEAN: THE RESULTS OF 35 YEARS OF RESEARCH  
DOKLADY EARTH SCIENCES 466(1), 38-41 (2016)
2. **DIANSKY, N.; FOMIN, V.; KABATCHENKO, I.; GRUZINOV, V.; BOGDANOV, Y..**  
CALCULATION OF CURRENTS OF THE ARCTIC SEAS  
PROC. STATE OCEANOGRAPHIC INST. (215), 5 (2014)
3. **MASLENNIKOV, VV; AYUPOVA, NR; MASLENNIKOVA, SP; TSELUYKO, AS; LARGE, RR; DANYUSHEVSKY, LV; LEIN, AY; BOGDANOV, YA.**  
MINERAL AND CHEMICAL PECULIARITIES OF VENT CHIMNEYS FROM THE YUBILEYNOYE VMS DEPOSIT AT THE EARLY DEVONIAN BASALT-BONINITE BASEMENT OF WEST MAGNITOGORSK ARC, THE SOUTHERN URALS, RUSSIA  
MINERAL DEPOSIT RESEARCH FOR A HIGH-TECH WORLD, VOLS. 1-4 , 1512-1515 (2013)
4. **BOGDANOV, YA; LEIN, AY; BOGDANOVA, OY; UL'YANOVA, NV.**  
DIFFUSE FLOWS OF HIGH-TEMPERATURE FLUIDS AND THEIR ROLE IN THE FORMATION OF HYDROTHERMAL DEPOSITS  
OCEANOLOGY 52(5), 655-665 (2012)

5. LEIN, AY; BOGDANOV, YA; MASLENNIKOV, VV; LI, S; ULYANOVA, NV; MASLENNIKOVA, SP; ULYANOV, AA.  
SULFIDE MINERALS IN THE MENEZ GWEN NONMETALLIC HYDROTHERMAL FIELD (MID-ATLANTIC RIDGE)  
LITHOLOGY AND MINERAL RESOURCES 45(4), 305-323 (2010)
6. MASLENNIKOV, V. V.; LEIN, A. YU.; MASLENNIKOVA, S. P.; BOGDANOV, YU. A..  
PHANEROZOIC BLACK SMOKERS AS INDICATORS OF THE COMPOSITION OF ORE-HOSTING COMPLEXES  
LITOSFERA (3), 153 (2010)
7. MASLENNIKOV, VV; LEIN, AY; MASLENNIKOVA, SP; BOGDANOV, YA.  
PHANEROZOIC BLACK SMOKERS AS INDICATORS OF ORE HOSTING COMPLEXES CONTENTS  
LITHOSPHERE 3, 153 (2010)
8. BOGDANOV, YU. A.; LEIN, A. YU..  
HYDROTHERMAL ACTIVITY AND ITS ROLE IN OCEANIC GEOCHEMISTRY PHYSICAL, GEOLOGICAL, AND BIOLOGICAL STUDIES OF OCEANS AND SEAS , 357 (2010)
9. BOGDANOVA, OY; GORSHKOV, AI; NOVIKOV, GV; BOGDANOV, YA.  
MINERALOGY OF MORPHOGENETIC TYPES OF FERROMANGANESE DEPOSITS IN THE WORLD OCEAN  
GEOLOGY OF ORE DEPOSITS 50(6), 462-469 (2008)
10. BOGDANOV, YA; LEIN, AY; MASLENNIKOV, VV; LI, S; UL'YANOV, AA.  
MINERALOGICAL-GEOCHEMICAL FEATURES OF SULFIDE ORES FROM THE BROKEN SPUR HYDROTHERMAL VENT FIELD  
OCEANOLOGY 48(5), 679-700 (2008)
11. BOGDANOV, YA; VIKENT'EV, IV; LEIN, AY; BOGDANOVA, OY; SAGALEVICH, AM; SIVTSOV, AV.  
LOW-TEMPERATURE HYDROTHERMAL DEPOSITS IN THE RIFT ZONE OF THE MID-ATLANTIC RIDGE  
GEOLOGY OF ORE DEPOSITS 50(2), 119-134 (2008)
12. LEIN, AY; BOGDANOVA, OY; BOGDANOV, YA; MAGAZINA, LI.  
MINERALOGICAL AND GEOCHEMICAL FEATURES OF AUTHIGENIC CARBONATES ON SEEPINGS AND HYDROTHERMAL FIELDS (BY THE EXAMPLES OF THE BLACK SEA REEFS AND THE MOUNDS OF THE LOST CITY FIELD)  
OCEANOLOGY 47(4), 537-553 (2007)
13. LEIN, AY; GALKIN, SV; MASLENNIKOV, VV; BOGDANOV, YA; BOGDANOVA, OY; DARA, OM; IVANOV, MV.  
A NEW TYPE OF CARBONATE ROCKS ON THE OCEAN FLOOR (MID-ATLANTIC RIDGE, 30 DEGREES 07 ' N)  
DOKLADY EARTH SCIENCES 412(1), 136-140 (2007)
14. SHNYUKOV, E. F.; PASYNKOV, A. A.; LYUBITSKII, A. A.; BOGDANOV, YU. A..  
NEW DISPLAYS OF GAS AND MUD VOLCANOES IN THE BLACK SEA  
GEOLOGIYA I POLEZNYE ISKOPAEMYE MIROVOGO OKEANA (2), (2007)

15. **LEIN, AY; BOGDANOV, YA; GRICHUK, DV; RUSANOV, II; SAGALEVICH, AM.**  
GEOCHEMISTRY OF HYDROTHERMAL SOLUTIONS FROM 9 DEGREES 50 ' N AT THE EAST PACIFIC RISE (EPR) WITHIN TWELVE YEARS AFTER THE ERUPTION OF A SUBMARINE VOLCANO  
GEOCHEMISTRY INTERNATIONAL 44(7), 690-703 (2006)
16. **BOGDANOV, YA; LEIN, AY; SAGALEVICH, AM; UL'YANOV, AA; DOROFEEV, SA; UL'YANOVA, NV.**  
HYDROTHERMAL SULFIDE DEPOSITS OF THE LUCKY STRIKE VENT FIELD, MID-ATLANTIC RIDGE  
GEOCHEMISTRY INTERNATIONAL 44(4), 403-418 (2006)
17. **BOGDANOV, YA; LEIN, AY; UL'YANOV, AA; MASLENNIKOV, VV; UL'YANOVA, NV; SAGALEVICH, AM.**  
INITIAL STAGE OF THE HYDROTHERMAL ORE ACCUMULATION WITHIN THE FIELD AT 9 DEGREES 50 ' N ON THE EAST PACIFIC RISE  
OCEANOLOGY 46(1), 81-94 (2006)
18. **BOGDANOV, YU. A.; LEIN, A. YU.; ULYANOV, A.A.; MASLENNIKOV, V.V.; ULYANOVA, N.V.; SAGALEVICH, A.M..**  
THE INITIAL PHASE OF HYDROTHERMAL ORE DEPOSITION ON THE 950' N OF EAST PACIFIC RISE  
OKEANOLOGIYA 46(1), 88 (2006)
19. **BOGDANOV, YA; LEIN, AY; SAGALEVICH, AM.**  
CHEMICAL COMPOSITION OF THE HYDROTHERMAL DEPOSITS OF THE MENEZ GWEN VENT FIELD (MID-ATLANTIC RIDGE)  
OCEANOLOGY 45(6), 849-856 (2005)
20. **LEIN, AY; PERESYPKIN, VI; BOGDANOV, YA; IVANOV, MV.**  
LIPIDS IN HYDROTHERMAL SULFIDE ORES FROM THE 9 DEGREES'50 ' N FIELD OF THE EAST PACIFIC RISE  
DOKLADY EARTH SCIENCES 405(8), 1231-1234 (2005)
21. **BOGDANOV, YA; LEIN, AY; SAGALEVICH, AM; VASIL'EV, NV; UL'YANOV, AA.**  
HYDROTHERMAL ORE DEPOSITS OF THE SNAKE PIT HYDROTHERMAL FIELD (MID-ATLANTIC RIDGE)  
OCEANOLOGY 45(4), 543-559 (2005)
22. **PAVLIDIS, YA; BOGDANOV, YA; LEVCHENKO, OV; MURDMAA, OI; TARASOV, GA.**  
NEW DATA ON THE NATURAL ENVIRONMENT IN THE BARENTS SEA AT THE END OF THE VALDAI GLACIATION  
OCEANOLOGY 45(1), 85-98 (2005)
23. **BOGDANOV, Y..**  
GENERAL GEOLOGY OF HOGLAND GROUP  
GEOLOGICAL EXCURSION GUIDEBOOK , 32 (2005)
24. **SAGALEVITCH, A.; BOGDANOV, Y.; BORTNIKOV, N.; SILANTVEY, S.; GALKIN, S.V.; LEIN, A..**  
A COMPARATIVE STUDY OF MAR HYDROTHERMAL FIELDS FOUND IN DIFFERENT GEODYNAMIC SETTINGS: PRELIMINARY RESULTS OF THE 50TH CRUISE (AUGUST-SEPTEMBER 2005) OF R/V AKADEMİK MSTISLAV KELDYSH INTER RIDGE NEWS 14, 16 (2005)

25. BOGDANOV, YA; GURVICH, EG; BOGDANOVA, OY; VIKENT'EV, IV; SIVTSOV, AV; ISAEVA, AB; GORSHKOV, AI; SAGALEVICH, AM. LOW-TEMPERATURE DEPOSITS OF THE LOGACHEV HYDROTHERMAL FIELD (MID-ATLANTIC RIDGE) GEOLOGY OF ORE DEPOSITS 46(4), 269-285 (2004)
26. BORTNIKOV, NS; SIMONOV, VA; IKORSKII, SV; BOGDANOV, YA. TEMPERATURE AND CHEMISTRY OF FLUIDS IN MODERN SEAFLOOR ORE-FORMING SYSTEMS: A CASE OF FLUID INCLUSION STUDIES GEOCHIMICA ET COSMOCHIMICA ACTA 68(11), A267-A267 (2004)
27. BORTNIKOV, NS; SIMONOV, VA; BOGDANOV, YA. FLUID INCLUSIONS IN MINERALS FROM MODERN SULFIDE EDIFICES: PHYSICOCHEMICAL CONDITIONS OF FORMATION AND EVOLUTION OF FLUIDS GEOLOGY OF ORE DEPOSITS 46(1), 64-75 (2004)
28. LEIN, AY; BOGDANOV, YA; SAGALEVICH, AM; UL'YANOV, AA; CHERNYSHEV, IV; DUBININA, EO; IVANOV, MV. A NEW TYPE OF VENT FIELD IN THE MID-ATLANTIC RIDGE (LOST CITY VENT FIELD, 30 DEGREES N) DOKLADY EARTH SCIENCES 394(1), 92-95 (2004)
29. BOGDANOV, YU. A.; SAGALEVICH, A. M.; GURVICH, E. G.; LUKASHIN, V. N.; VINOGRADOV, M. E.; LAPPO, S. S.. FORMATION OF BOTTOM SEDIMENTS UNDER INTENSIVE ALONG-SLOPE CURRENTS (TITANIC TEST AREA ON THE NORTH AMERICAN CONTINENTAL SLOPE) NEW IDEAS IN OCEANOLOGY, VOL. 2: GEOLOGY , 215 (2004)
30. BOGDANOV, YU. A.; SAGALEVICH, A. M.; ET AL.. AGE RELATIONS BETWEEN THE MAJOR TYPES OF SEDIMENTARY DEPOSITS OF SECTIONS OCEANOGRAPHIC STUDIES OF THE FRONTAL ZONE THE GULF STREAM. THE TITANIC TEST AREA , 209 (2004)
31. BORTNIKOV, NS; CABRI, LJ; VIKENTIEV, IV; TAGIROV, BR; MC MAHON, G; BOGDANOV, YA; STAVROVA, OO. INVISIBLE GOLD IN SULFIDES FROM SEAFLOOR MASSIVE SULFIDE EDIFICES GEOLOGY OF ORE DEPOSITS 45(3), 201-212 (2003)
32. LEIN, AY; CHERKASHEV, GA; UL'YANOV, AA; UL'YANOVA, NV; STEPANOVA, TV; SAGALEVICH, AM; BOGDANOV, YA; GURVICH, EG; TOROKHOV, AP. MINERALOGY AND GEOCHEMISTRY OF SULFIDE ORES FROM THE LOGACHEV-2 AND RAINBOW FIELDS: SIMILAR AND DISTINCTIVE FEATURES GEOCHEMISTRY INTERNATIONAL 41(3), 271-294 (2003)
33. BORTNIKOV, NS; IKORSKII, SV; KAMENSKI, IL; AVETISYAN, AA; SIMONOV, VA; BOGDANOV, YA; LEIN, AY; SAGALEVICH, AM; VIKENTIEV, IV; STAVROVA, OO. MODEM SULFIDE ORES AT MID-ATLANTIC RIDGE AND PACIFIC BACK-ARC BASINS: FLUID INCLUSION, HYDROCARBON AND HE, AR, AND S ISOTOPE STUDIES

34. LEIN, A.YU.; CHERKASHEV, G.A.; UL'YANOV, A.A.; UL'YANOVA, V.;  
STEPANOVA, T.V.; SAGALEVICH, A.M.; BOGDANOV, YU.A.; GURVICH, E.G.;  
TOROKHOV, M.P..  
MINERALOGY AND GEOCHEMISTRY OF SULFIDE ORES OF THE LOGATCHEV-2  
AND RAINBOW FIELDS: SIMILARITY AND DIFFERENCE FEATURES  
GEOCHEM. INT. 41, 304 (2003)
35. BORTNIKOV, N.S.; CABRY, L.; VIKENTYEV, I.V.; TAGIROV, B.R.; MCMAHON,  
G.; BOGDANOV, Y.A.; STAVROVA, O.O..  
INVISIBLE GOLD IN SULFIDES FROM MODERN SULFIDE EDIFICES  
GEOLOGICA RUDNIH MESTOROZHDENII 2, 510 (2003)
36. BOGDANOV, YA; BORTNIKOV, NS; VIKENT'EV, IV; LEIN, AY; GURVICH, EG;  
SAGALEVICH, AM; SIMONOV, VA; IKORSKII, SV; STAVROVA, OO;  
APOLLONOV, VN.  
MINERALOGICAL-GEOCHEMICAL PECULIARITIES OF HYDROTHERMAL  
SULFIDE ORES AND FLUIDS IN THE RAINBOW FIELD ASSOCIATED WITH  
SERPENTINITES, MID-ATLANTIC RIDGE (36 DEGREES 14 ' N)  
GEOLOGY OF ORE DEPOSITS 44(6), 444-473 (2002)
37. BOGDANOV, YA; GURVICH, EG; SAGALEVICH, AM; LUKASHIN, VN.  
LATE QUATERNARY DEPOSITS IN THE TITANIC TEST AREA (CONTINENTAL  
SLOPE OF NORTH AMERICA)  
OCEANOLOGY 42(6), 822-828 (2002)
38. BOGDANOV, YA; SAGALEVICH, AM; LUKASHIN, VN; PERESYPKIN, VI;  
ALENIK, DL.  
ON THE SPECIAL FEATURES OF SEDIMENTATION IN THE SOUTHWESTERN  
PART OF THE BLAKE-BAHAMA ABYSSAL PLAIN  
OCEANOLOGY 42(6), 840-844 (2002)
39. SAGALEVICH, AM; BOGDANOV, YA; LUKASHIN, VN; CHERNYAEV, ES;  
GORDEEV, VY; PERESYPKIN, VI.  
DEEP-WATER SEARCH AND GEOLOGICAL STUDIES AT THE SITE OF THE  
SHIPWRECK OF THE BATTLESHIP BISMARCK  
OCEANOLOGY 42(5), 741-748 (2002)
40. BOGDANOV, Y.; BORTNIKOV, N.; VIKENT'EV, I..  
MINERALOGICAL AND GEOCHEMICAL FEATURES OF RAINBOW  
HYDROTHERMAL DEPOSITS AND FLUID RELATED TO SERPENTINITES, MID-  
ATLANTIC RIDGE (36 14 N)  
GEOL. ORE DEPOS. 44, 510 (2002)
41. ZHMODIK, SM; LISITSYN, AP; SIMONOV, VA; BOGDANOV, YA; ZHMODIK,  
AS.  
LOCAL DISTRIBUTION OF GOLD IN OCEANIC SULFIDE ORE SAMPLES FROM  
THE LOGACHEV AND BROKEN SPUR HYDROTHERMAL FIELDS, MID-  
ATLANTIC RIDGE  
DOKLADY EARTH SCIENCES 379(6), 649-652 (2001)
42. SAGALEVICH, AM; BOGDANOV, YA; GURVICH, EG; LUKASHIN, VN;  
EVSEENKO, SA; ALENIK, DL; CHERNYAEV, ES; GORDEEV, VY.

EXPEDITIONS ON R/V AKADEMICK MSTISLAV KELDYSH IN 2000  
OCEANOLOGY 41(4), 604-609 (2001)

43. **BORTNIKOV, N.S.; VIKENTYEV, I.V.; APOLLONOV, V.N.; STAVROVA, O.O.; BOGDANOV, YU.A.; LEIN, A.YU.; GURVICH, E.G.; SAGALEVICH, A.M.; SIMONOV, V.A.; IKORSKII, S.V.; PIESTRZYNSKI; ET AL..**  
THE RAINBOW SERPENTINITE-RELATED HYDROTHERMAL FIELD, MID-ATLANTIC RIDGE, 36&deg;14'N: MINERALOGICAL AND GEOCHEMICAL FEATURES  
MINERAL DEPOSITS AT THE BEGINNING OF THE 21ST CENTURY , 265 (2001)
44. **BOGDANOV, YU. A.; BORTNIKOV, N. S.; GURVICH, YE. G.; LEIN, A. YU.; SAGALEVICH, A. M.; VIKENT'EV, I. V.; NOVIKOV, G. V; PERESYPKIN, V. I..**  
HYDROTHERMAL ORE MANIFESTATIONS OF LOGACHEV AND RAINBOW FIELDS (MID-ATLANTIC RIDGE)-A NEW TYPE OF OCEAN RIFT  
HYDROTHERMAL DEPOSITS  
RUSS. J. EARTH SCI. 2(3-4), (2001)
45. **BOGDANOV, YA.**  
CLASSIFICATION OF MODERN SULFIDE ORE DEPOSITS AT THE OCEAN FLOOR  
GEOLOGY OF ORE DEPOSITS 42(6), 449-460 (2000)
46. **BORTNIKOV, NS; IKORSKII, SV; KAMENSKII, IL; VIKENT'EV, IV; BOGDANOV, YA; STAVROVA, OO; AVEDISYAN, AA.**  
HELUM ISOTOPIC COMPOSITION AND HYDROCARBONS IN FLUID INCLUSIONS FROM SERPENTINITES AND SULFIDES OF THE LOGACHEV AND RAINBOW HYDROTHERMAL FIELDS, MID-ATLANTIC RIDGE  
DOKLADY EARTH SCIENCES 375(9), 1387-1390 (2000)
47. **LEIN, AY; GRICHUK, DV; GURVICH, EG; BOGDANOV, YA.**  
A NEW TYPE OF HYDROGEN- AND METHANE-RICH HYDROTHERMAL SOLUTIONS IN THE RIFT ZONE OF THE MID-ATLANTIC RIDGE  
DOKLADY EARTH SCIENCES 375(9), 1391-1394 (2000)
48. **BORTNIKOV, NS; CABRI, L; VIKENT'EV, IV; MCMAHON, G; BOGDANOV, YA.**  
INVISIBLE GOLD IN SULFIDES FROM RECENT SUBMARINE HYDROTHERMAL MOUNDS  
DOKLADY EARTH SCIENCES 373(5), 863-866 (2000)
49. **LEIN, AY; PIMENOV, NV; SAVVICHEV, AS; PAVLOVA, GA; VOGT, PR; BOGDANOV, YA; SAGALEVICH, AM; IVANOV, MV.**  
METHANE AS A SOURCE OF ORGANIC MATTER AND CARBON DIOXIDE OF CARBONATES AT A COLD SEEP IN THE NORWAY SEA  
GEOCHEMISTRY INTERNATIONAL 38(3), 232-245 (2000)
50. **LUKASHIN, VN; BOGDANOV, YA; SHEVCHENKO, VP; RUSAKOV, VY; ISAEVA, AB.**  
A STUDY OF VERTICAL FLUXES OF SEDIMENTARY MATERIAL AND ITS COMPOSITION IN THE NORWEGIAN SEA IN THE SUMMER PERIODS OF 1991-1995  
GEOKHIMIYA (2), 197-212 (2000)
51. **VIKENT'EV, I.V.; BORTNIKOV, N.S.; BOGDANOV, YU.A.; LEIN, A.YU.; APOLLONOV, V.N.; ZAYKOV, V.V..**  
MINERALOGY OF HYDROTHERMAL DEPOSITS FROM THE RAINBOW FIELD NEAR AZORES (ATLANTIC)

- METALLOGENY OF ANCIENT AND MODERN OCEANS-2000. DISCOVERY, ESTIMATION AND EXPLOITATION OF MINERAL DEPOSITS , 103 (2000)
52. LEIN, A.Y.; GRICHUK, D.V.; GURVICH, E.G.; BOGDANOV, Y.A.. A NEW TYPE OF HYDROGEN-AND METHANE-RICH HYDROTHERMAL SOLUTIONS IN THE RIFT ZONE OF THE MID-ATLANTIC RIDGE DOKL. EARTH SCI. 375A(9), 1304 (2000)
53. SUSHCHEVSKAYA, N. M.; CHERKASHOV, G. A.; TSEKHONYA, T. I.; BOGDANOV, YU. A.; KONONKOVA, N. N.; BELYATSKII, B. V.. MAGMATISM OF THE MOHNS AND KNIPOVICH RIDGES AS SPREADING ZONES OF THE POLAR ATLANTIC ROSS. ZHURNAL NAUK O ZEMLE 2(3), 1 (2000)
54. SIMONOV, V.A.; BOGDANOV, YU.A.; VIKENT'EV, I.V. PHYSICOCHEMICAL PARAMETERS OF HYDROTHERMAL ORE-FORMING SYSTEMS OF THE RAINBOW FIELD (MID-ATLANTIC RIDGE) METALLOGENY OF ANCIENT AND PRESENT-DAY OCEANS, 2000: OPENING, RESOURCE EVALUATION, AND EXPLORATION OF DEPOSITS [IN RUSSIAN] , 110 (2000)
55. LEIN, AY; PIMENOV, NV; SAVVICHEV, AS; VOGT, P; BOGDANOV, YA; SAGALEVITCH, AM; IVANOV, MV. METHANE AS A SOURCE OF ORGANIC MATTER AND THE HYDROCARBON ACID OF CARBONATES AT A COLD SEEP IN THE NORWEGIAN SEA GEOHYMIYA 3, 268 (2000)
56. LISITSYN, AP; LAPUKHOV, AS; SIMONOV, VA; SIDENKO, NV; MAZUROV, MP; BOGDANOV, YA; BATUEV, VN. NOBLE METALS IN ORE-FORMING HYDROTHERMAL SYSTEMS OF MODERN OCEANS DOKLADY AKADEMII NAUK 369(2), 254-257 (1999)
57. BOGDANOV, YA; SAGALEVITCH, AM; VOGT, PR; MIENERT, Y; SUNDVOR, E; KRANE, K; LEIN, AY; EGOROV, AV; PEPESYPKIN, VI; CHERKASHEV, GA; GEBRUK, AV; GINSBURG, GD; VOITOV, DT. THE HAAKON MOSBY MUD VOLCANO IN THE NORWEGIAN SEA: RESULTS OF COMPREHENSIVE INVESTIGATIONS WITH SUBMERSIBLES OKEANOLOGIYA 39(3), 412-419 (1999)
58. BOGDANOV, YA; SAGALEVICH, AM; GURVICH, EG; VIKENT'EV, IV; LEIN, AY; PIMENOV, NV; RUDENKO, MV; PERESYPKIN, VI; GORDEEV, VY; VOITOV, DV. UNDERWATER GEOLOGICAL STUDIES OF THE RAINBOW HYDROTHERMAL FIELD (MID-ATLANTIC RIDGE) DOKLADY AKADEMII NAUK 365(5), 657-662 (1999)
59. PERESYPKIN, VI; LEIN, AY; BOGDANOV, YA; BORTNIKOV, NS. THE LIPIDS OF HYDROTHERMAL FORMATIONS ON THE AREA 14 DEGREES 45 ' N AND 29 DEGREES N, MID-ATLANTIC RIDGE OKEANOLOGIYA 39(2), 258-269 (1999)
60. BOGDANOV, YU; LEVCHENKOV, O.A.; KOMAROV, A.N.; YAKOVLEVA, S.Z.; MAKEEV, A.F.. A NEW LOWER RIPHEAN SECTION TYPE IN THE BALTIC SHIELD DOKLADY EARTH SCIENCES 366, 435 (1999)

61. BOGDANOV, YU.A.; SAGALEVICH, A.M.; VOGT, P.R.; MIENERT, J.;  
SUNDVOR, E.; CRANE, K.; LEIN, A.YU; EGOROV, A.V.; PERESYPKIN, V.I.;  
CHERKASHEV, G.A.; GEBRUK, A.V.; GINSBURG, G.D.; VOITOV, D.V..  
THE HAAKON MOSBY MUD VOLCANO IN THE NORWEGIAN SEA: RESULTS OF  
MULTIDISCIPLINARY STUDIES WITH MANNED SUBMERSIBLES  
OCEANOLOGY 39, 374 (1999)
62. PERESYPKIN, V.; LEIN, A.; BOGDANOV, Y.; BORTNIKOV, N..  
ON THE NATURE OF LIPIDS IN HYDROTHERMAL FORMATIONS AT THE  
BROKEN SPUR AND THE VENT FIELD OF THE MID-ATLANTIC RIDGE  
EXPLORATION AND MINING GEOLOGY 8, 365 (1999)
63. DAMYANOV, ZK; DEKOV, VM; LISITSYN, AP; BOGDANOV, YA;  
AIDANLIISKI, G; DIMOV, VI.  
MINERALOGICAL FEATURES OF THE NEAR SULFIDE MOUND SEDIMENTS: MIR  
ZONE, TAG HYDROTHERMAL FIELD (MID-ATLANTIC RIDGE, 26 DEGREES N)  
NEUES JAHRBUCH FUR MINERALOGIE-ABHANDLUNGEN 174(1), 43-78 (1998)
64. BOGDANOV, YA; GORBUNOVA, ZN; SEROVA, VV.  
LITHOLOGICAL AND MINERALOGICAL CHARACTERISTICS OF BOTTOM  
SEDIMENTS IN THE NORWEGIAN SEA NEAR BEAR ISLANDS  
OKEANOLOGIYA 38(4), 597-603 (1998)
65. BOGDANOV, YA; GORSHKOV, AI; GURVICH, EG; BOGDANOVA, OY;  
DUBININ, AV; JANSA, LF.  
FERROMANGANESE CRUSTS AND NODULES FROM GUYOTS OF THE  
NORTHWESTERN PACIFIC  
GEOKHIMIYA (5), 518-531 (1998)
66. BOGDANOV, YA; GORSHKOV, AI; BOGDANOVA, OY; GURVICH, EG;  
SIVTSOV, AV.  
COMPOSITION OF LOW-TEMPERATURE FE-MN MINERALS IN METALLIFEROUS  
SEDIMENTS OF THE TAG AREA (MID-ATLANTIC RIDGE)  
OKEANOLOGIYA 38(1), 114-121 (1998)
67. BOGDANOV, YU.A.; GORSHKOV, A.I.; GURVICH, E.G.; BOGDANOVA, O.YU.;  
ET AL..  
FERROMANGANESE CRUSTS AND NODULES FROM GUYOTS IN THE  
NORTHWESTERN PACIFIC  
GEOCHEM. INT. (5), 503 (1998)
68. PERISYPPKIN, V. I.; LEIN, A. YU.; BOGDANOV, YU. A.; BORTNIKOV, N. S..  
LIPIDS IN HYDROTHERMAL FORMATIONS IN THE AREA OF 14&DEG; 45'N AND  
29&DEG;N OF THE MID-ATLANTIC RIDGE  
OCEANOLOGY 38, 5 (1998)
69. BOGDANOV, YA; LISITZIN, AP; BINNS, RA; GORSHKOV, AI; GURVICH, EG;  
DRITZ, VA; DUBININA, GA; BOGDANOVA, OY; SIVKOV, AV; KUPTSOV, VM.  
LOW-TEMPERATURE HYDROTHERMAL DEPOSITS OF FRANKLIN SEAMOUNT,  
WOODLARK BASIN, PAPUA NEW GUINEA  
MARINE GEOLOGY 142(1-4), 99-117 (1997)
70. BOGDANOV, YA; GURVICH, EG; LISITZIN, AP; SEROVA, VV; GORBUNOVA,  
ZN.  
SEDIMENTS OF THE ACTIVE RIFT ZONE IN THE WESTERN WOODLARK BASIN

AND THE DEVELOPMENT OF HYDROTHERMAL AND VOLCANIC ACTIVITY  
MARINE GEOLOGY 142(1-4), 143-170 (1997)

71. BOGDANOV, YA; BORTNIKOV, NS; LISITSYN, AP.  
THE ORIGIN OF THE HYDROTHERMAL SULFIDE ORES IN THE AXIAL PARTS OF  
THE MID-ATLANTIC RIDGE  
GEOLOGY OF ORE DEPOSITS 39(5), 351-370 (1997)
72. BOGDANOV, YA; SAGALEVITCH, AM; GALKIN, SM; TCHERNYAEV, ES;  
LUKASHIN, VN; IVANOV, GV.  
GEOLOGICAL AND BIOLOGICAL INVESTIGATION IN THE NORTHERN PART OF  
THE MOHN RIDGE  
OKEANOLOGIYA 37(4), 609-616 (1997)
73. GORSHKOV, AI; BOGDANOV, YA; GURVICH, EG; BOGDANOVA, OY;  
SIVTSOV, AV.  
MINERALOGY AND CRYSTALLOCHEMISTRY OF LOW-TEMPERATURE FERRO-  
MANGANESE DEPOSITS OF THE RELICT HYDROTHERMAL MOUND FROM THE  
TAG HYDROTHERMAL FIELD, MID ATLANTIC RIDGE  
OKEANOLOGIYA 37(3), 448-456 (1997)
74. BOGDANOV, YA; GURVICH, EG; LUKASHIN, VN.  
GEOCHEMISTRY OF ORE OCCURRENCES IN THE 14 DEGREES 45'N  
HYDROTHERMAL FIELD, MID-ATLANTIC RIDGE  
GEOKHIMIYA (4), 413-422 (1997)
75. BOGDANOV, YA; KUPTSOV, VM; SHEVCHENKO, VP; BOBROV, VA;  
GAVSHIN, VM.  
MODERN FLUXES OF CHEMICAL ELEMENTS FROM THE WATER COLUMN TO  
THE BOTTOM SEDIMENTS OF THE LAKE BAIKAL  
DOKLADY AKADEMII NAUK 352(1), 100-104 (1997)
76. BOGDANOV, YA; BORTNIKOV, NS; VIKENTEV, IV; GURVICH, EG;  
SAGALEVICH, AM.  
A NEW TYPE OF MODERN MINERAL-FORMING SYSTEM: BLACK SMOKERS OF  
THE HYDROTHERMAL FIELD AT 14 DEGREES 45'N LATITUDE, MID-ATLANTIC  
RIDGE  
GEOLOGY OF ORE DEPOSITS 39(1), 58-78 (1997)
77. BORTNIKOV, NS; KRYLOVA, TL; BOGDANOV, YA; VIKENTYEV, IV; NOSIK,  
LP.  
THE 14 DEGREES 45 ' N HYDROTHERMAL FIELD, MID-ATLANTIC RIDGE: FLUID  
INCLUSION AND SULFUR ISOTOPE EVIDENCE FOR SUBMARINE PHASE  
SEPARATION  
MINERAL DEPOSITS: RESEARCH AND EXPLORATION, WHERE DO THEY MEET,  
353-356 (1997)
78. BOGDANOV, YU. A; BORTNIKOV, N. S.; VIKENTEV, I. V.; GURVICH, E. G.;  
SAGALEVICH, A. M..  
A NEW TYPE OF MODERN MINERAL-FORMING SYSTEM: BLACK SMOKERS OF  
THE HYDROTHERMAL FIELD AT 14 45' N LATITUDE, MID-ATLANTIC RIDGE  
GEOLOGY OF ORE DEPOSITS 39, 68 (1997)
79. BORTNIKOV, N. S.; LISITZIN, A. P.; BOGDANOV, YU. A..  
REGULARITIES OF FORMATION OF HYDROTHERMAL SULPHIDE SEDIMENTS  
IN THE AXIAL PARTS OF THE RIFT OF THE MID-ATLANTIC RIDGE  
GEOLOGIYA RUDNYKH MESTOROZHDENII 39(5), 409 (1997)

80. **SIMONOV, V.A.; LISITZIN, A.P.; BOGDANOV, YU.A.; MURAV'EV, K.G..**  
PHYSICOCHEMICAL CONDITIONS IN PRESENT-DAY HYDROTHERMAL ORE-FORMING SYSTEMS (BLACK SMOKERS) IN THE CENTRAL ATLANTIC REGION  
GEOLOGY OF SEAS AND OCEANS [IN RUSSIAN] 2, 182 (1997)
81. **BOGDANOV, YA; DMITRENKO, OB; PAVLIDIS, YA; TURPAEVA, EP.**  
BOTTOM SEDIMENTS OF CAMPECHE BANK (BAY OF MEXICO) AND  
PALEOCEANOLOGICAL RECONSTRUCTION  
OKEANOLOGIYA 36(5), 774-786 (1996)
82. **BOGDANOV, YA.**  
HYDROTHERMAL SULFIDE MINERALIZATION OF OCEANIC RIFTS  
OKEANOLOGIYA 36(2), 277-287 (1996)
83. **BOGDANOV, YA; GURVICH, EG; LISITZIN, AP; IVANOV, GV; ISAEVA, AB;**  
**KRASNYYUK, AD.**  
NEW METALLIFEROUS SEDIMENT CORES FROM TAG HYDROTHERMAL FIELD  
(MID ATLANTIC RIDGE, 26 DEGREES N, 45 DEGREES W)  
DOKLADY AKADEMII NAUK 345(2), 219-222 (1995)
84. **BOGDANOV, YA; SAGALEVICH, AM; CHERNYAEV, ES; ASHADZE, AM;**  
**GURVICH, EG; LUKASHIN, VN; IVANOV, GV; PERESYPKIN, VI.**  
HYDROTHERMAL FIELD 14-DEGREES-45'N OF MID-ATLANTIC RIDGE  
DOKLADY AKADEMII NAUK 343(3), 353-357 (1995)
85. **GORSHKOV, AI; BOGDANOV, YA; SIVTSOV, AV; MOKHOV, AV.**  
A NEW MN-AL-NI ASBOLANE  
DOKLADY AKADEMII NAUK 342(6), 781-784 (1995)
86. **GURVICH, E. G.; LISITZIN, A. P.; BOGDANOV, YU. A.; ET AL..**  
SULFIDES FROM THE BROKEN SPUR HYDROTHERMAL VENT FIELD MID ~  
ATLANTIC RIDGE, 29&deg; 10' N, 43&deg; 10' W  
BRIDGE NEWSLETTER (8), 25 (1995)
87. **SAGALEVITCH, A; BOGDANOV, Y.**  
FIRST DIVES OF THE "MIR" SUBMERSIBLES ON NEW HYDROTHERMAL FIELD  
IN THE ATLANTIC  
OCEANS '95 MTS/IEEE - CHALLENGES OF OUR CHANGING GLOBAL  
ENVIRONMENT, CONFERENCE PROCEEDINGS, VOLS 1-3 , 1511-1515 (1995)
88. **BOGDANOV, Y. A.; SAGALEVITCH, A. M.; CHERNYAEV, E. S.; ASHADZE, A.**  
**M.; GURVICH, E.G.; LUKASHIN, V. N.; IVANOV, G. V.; PERESYPKIN, V. N..**  
A STUDY OF THE HYDROTHERMAL FIELD AT 14&deg;45&prime;N ON THE  
MID-ATLANTIC RIDGE USING THE MIR SUBMERSIBLES  
BRIDGE NEWSL. 9, 9 (1995)
89. **BOGDANOV, Y.A.; BOGDANOVA, O.Y.; DUBININ, A.V.; GORAND, A.;**  
**GORSHKOV, A.I.; GURVICH, E.G.; ISAEVA, A.B.; IVANOV, G.V.; JANSA, L.F.;**  
**MONACO, A.; HAGGERTY, J.A.; PREMOLI, SILVA I.; RACK, F.; MCNUTT,**  
**M.K..**  
COMPOSITION OF FERROMANGANESE CRUSTS AND NODULES AT  
NORTHWESTERN PACIFIC GUYOTS AND GEOLOGIC AND  
PALEOOCEANOGRAPHIC CONSIDERATIONS.  
144, 745 (1995)

90. BOGDANOV, YA; GORSHKOV, AI; GURVICH, EG; BOGDANOVA, OY; DUBININA, GI; IVANOV, GV; ISAEVA, AB; MURAVIOV, KG. FERROMANGANESE NODULES OF THE KARA SEA OKEANOLOGIYA 34(5), 789-800 (1994)
91. BOGDANOV, YA; RONA, PA; GURVICH, EG; KUPTSOV, VM; RIMSKYKORSAKOV, NA; SAGALEVICH, AM; HUNNINGTON, MD. RELICT SULFIDE FORMATIONS OF TAG HYDROTHERMAL FIELD, MID-ATLANTIC (26-DEGREES-N, 45-DEGREES-W) OKEANOLOGIYA 34(4), 590-599 (1994)
92. GAVSHIN, VM; BOBROV, VA; BOGDANOV, YA. URANIUM ANOMALIES IN DEEP-WATER SEDIMENTS OF LAKE BAIKAL DOKLADY AKADEMII NAUK 334(3), 356-359 (1994)
93. BINNS, RA; SCOTT, SD; BOGDANOV, YA; LISITZIN, AP; GORDEEV, VV; GURVICH, EG; FINLAYSON, EJ; BOYD, T; DOTTER, LE; WHEELER, GE; MURAVYEV, KG. HYDROTHERMAL OXIDE AND GOLD-RICH SULFATE DEPOSITS OF FRANKLIN SEAMOUNT, WESTERN WOODLARK BASIN, PAPUA-NEW-GUINEA ECONOMIC GEOLOGY AND THE BULLETIN OF THE SOCIETY OF ECONOMIC GEOLOGISTS 88(8), 2122-2153 (1993)
94. RONA, PA; BOGDANOV, YA; GURVICH, EG; RIMSKIKORSAKOV, NA; SAGALEVITCH, AM; HANNINGTON, MD; THOMPSON, G. RELICT HYDROTHERMAL ZONES IN THE TAG HYDROTHERMAL FIELD, MID-ATLANTIC RIDGE 26-DEGREES-N, 45-DEGREES-W JOURNAL OF GEOPHYSICAL RESEARCH-SOLID EARTH 98(B6), 9715-9730 (1993)
95. GORSHKOV, AI; BOGDANOV, YA; SIVTSOV, AV; BALASHOVA, VV; SAGALEVICH, AM. MINERAL-COMPOSITION OF TITANIC HULL CORROSION PRODUCTS DOKLADY AKADEMII NAUK 330(2), 237-240 (1993)
96. LISITSYN, A.P.; CROOK, K.A.W.; BOGDANOV, Y.A.; ZONENSHAYN, L.P.; MURAV'YEV, K.G.; TUFAR, W; GURVICH, Y.G.; GORDEYEV, V.V.; IVANOV, G.V.. A HYDROTHERMAL FIELD IN THE RIFT ZONE OF THE MANUS BASIN, BISMARCK SEA INTERNATIONAL GEOLOGY REVIEW 35, 105 (1993)
97. LISITSIN, AP; KROOK, K; BOGDANOV, YA; ZONENSHAYN, LP; MURAVEV, KG; TOOFAR, V; GURVICH, YG; GORDEEV, VV; IVANOV, GV. HYDROTHERMAL FIELD OF MANUS BASIN RIFT-ZONE IZVESTIYA AKADEMII NAUK SERIYA GEOLOGICHESKAYA (10), 34-55 (1992)
98. LISITSIN, AP; MALAKHOV, OR; BOGDANOV, YA; SIONE, S; ZONENSHAYN, LP; GURVICH, YG; MURAVEV, KG; IVANOV, GV. HYDROTHERMAL FORMATIONS OF NORTHERN PART OF LAU BASIN (THE PACIFIC-OCEAN) IZVESTIYA AKADEMII NAUK SERIYA GEOLOGICHESKAYA (4), 5-24 (1992)
99. FALLOON, TJ; MALAHOFF, A; ZONENSHAIN, LP; BOGDANOV, Y. PETROLOGY AND GEOCHEMISTRY OF BACK-ARC BASIN BASALTS FROM LAU BASIN SPREADING RIDGES AT 15-DEGREES, 18-DEGREES AND 19-DEGREES-S MINERALOGY AND PETROLOGY 47(1), 1-35 (1992)

100. MOZGOVA, NN; NENASHEVA, SN; EFIMOV, AV; KRIVOPLYASOV, GS; BORODAEV, YS; LISITSYN, AP; BOGDANOV, YA; MURAVEV, KG; GURVICH, EG.  
SILVER MINERALS IN ORE CRUSTS FROM ONE OF THE MANUS BACK ARC BASIN HYDROTHERMAL FIELDS  
DOKLADY AKADEMII NAUK 327(2), 256-261 (1992)
101. LISITSYN, A.P.; BOGDANOV, YU.A.; GURVICH, E.G..  
HYDROTHERMAL SOLUTIONS AND ORES ON THE OCEAN FLOOR  
METALLOGENY OF RECENT AND ANCIENT OCEANS , 14 (1992)
102. LISITZIN, A.P.; CROOK, K.A.W.; BOGDANOV, YU.A.; ZONENSHAIN, L.P.; MURAV'EV, K.G.; TUFAR, W.; GURVICH, E.G.; GORDEEV, V.V.; IVANOV, G.V..  
HYDROTHERMAL FIELDS OF THE MANUS BASIN RIFT ZONE  
INT. GEOL. REV. 35, 105 (1992)
103. LISITSYN, A.P.; MALAHOFF, A.R.; BOGDANOV, Y.A.; SOAKAI, S.; ZONENSHAYN, L.P.; GURVICH, Y.G.; MURAV'YEV, K.G.; IVANOV, G.V..  
HYDROTHERMAL FORMATIONS IN THE NORTHERN PART OF THE LAU BASIN, PACIFIC OCEAN  
INTERNATIONAL GEOLOGY REVIEW 34, 828 (1992)
104. BOGDANOV, YU. A.; BARASH, M. S.; SEROVA, V. V.; ET AL..  
LITHOLOGIC AND MINERAL CHARACTERISTICS OF THE BOTTOM SEDIMENTS  
A REPORT OF THE 21ST CRUISE OF R/V AKADEMIK MSTISLAV KELDYSH 2, 44 (1992)
105. LISITZIN, F. P.; BOGDANOV, YU. A.; GURVICH, E. G..  
HYDROTHERMAL VENTS AND ORES ON THE OCEAN FLOOR  
METALLOGENY OF MODERN AND ANCIENT OCEANS , 390 (1992)
106. SHADLUN, TN; BORTNIKOV, NS; BOGDANOV, YA; TUFAR, W; MURAVYEV, K; GURVICH, EG; MURAVITSKAYA, KEA; TOPA, T.  
MINERAL COMPOSITION AND ORIGIN OF MASSIVE SULFIDE ORES IN THE MANUS BACKARC BASIN (PACIFIC OCEAN)  
GEOL RUDN MESTOROZH 34(5), 3 (1992)
107. LISITSYN, AP; BINNS, KA; BOGDANOV, YA; SCOTT, S; ZONNENSHAYN, LP; GORDEEV, VV; GURVICH, EG; MURAVYEV, KG; SEROVA, VV.  
THE PRESENT HYDROTHERMAL ACTIVITY AT FRANKLIN SUBMARINE MOUNTAIN IN THE WESTERN PART OF WOODLARK SEA (PAPUA-NEW-GUINEA)  
IZVESTIYA AKADEMII NAUK SSSR SERIYA GEOLOGICHESKAYA (8), 125-140 (1991)
108. BEZRUKOVA, YV; BOGDANOV, YA; WILLIAMS, DF; GRANINA, LZ; GRACHEV, MA; IGNATOVA, NV; KARABANOV, YB; KUPTSOV, VM; KURYLEV, AV; LETUNOVA, PP; LIKHOSHWAY, YV; CHERNYAYEVA, GP; SHIMARAYEVA, MK; YAKUSHIN, AO.  
A DRAMATIC CHANGE OF THE ECOLOGICAL-SYSTEM OF LAKE BAIKAL IN HOLOCENE  
DOKLADY AKADEMII NAUK SSSR 321(5), 1032-1037 (1991)
109. BOGDANOV, YA; ZONENSTEIN, LP.  
THE OUTCROPS OF THE MIOCENIC SEDIMENTS ON THE BAIKAL BOTTOM AND

THE AGE OF FAULTING (ON THE BASIS OF OBSERVATIONS FROM THE  
INHABITED SUBMARINE UNITS PYSIS)  
DOKLADY AKADEMII NAUK SSSR 320(4), 931-933 (1991)

110. KUPTSOV, VM; BOGDANOV, YA.  
ISOTOPE GEOCHRONOLOGY OF THE SURFACE-LAYER OF LAKE BAIKAL  
BENTHIC SEDIMENTS  
DOKLADY AKADEMII NAUK SSSR 319(5), 1226-1229 (1991)
111. LISITSYN, A.P.; BINNS, R.A.; BOGDANOV, Y.A.; SCOTT, S.; ZONENSHAYN,  
L.P.; GORDEYEV, V.V.; GURVICH, Y.G.; MURAV'YEV, K.G.; SEROVA, V.V..  
ACTIVE HYDROTHERMAL ACTIVITY AT FRANKLIN SEAMOUNT, WESTERN  
WOODLARK SEA (PAPUA NEW GUINEA)  
INTERNATIONAL GEOLOGY REVIEW 33, 914 (1991)
112. SHADLUN, T.N.; BORTNIKOV, N.S.; BOGDANOV, YU.A.; TUFAR, W.;  
MURAV'EV, K.G.; GURVICH, E.G.; MURAVITSKAYA, G.N.; KORINA, E.A.;  
TOPA, T..  
MINERAL COMPOSITION, STRUCTURES AND FORMATION CONDITIONS OF  
THE MODERN SULFIDE ORES IN THE SPREADING ZONE OF THE MANUS BASIN  
GEOLOGIYA RUDNUKH MESTOROZHDENII 5, 3 (1991)
113. CROOK, K.A.W.; VANDERHOR, F.; WALSHE, J.L.; SINTON, J.M.; TAYLOR, B.;  
SISITSIN, A.P.; ZONENSHAIN, L.P.; BOGDANOV, Y.A.; SHIPBOARD PARTIES.  
EXTENSIONAL TECTONISM AND METALLOGENESIS IN AN EVOLVING MID-  
PALEOZOIC CONTINENTAL MARGIN, E. AUSTRALIA: INSIGHTS FROM THE  
MODERN EASTERN MANUS BASIN, PNG  
EOS, TRANSACTIONS 71, 1577 (1990)
114. LISITSYN, AP; BOGDANOV, YA; ZONENSHAIN, LP; KUZMIN, MI;  
PODRAZHANSKII, AM.  
THE BLACK SMOKERS OF THE CALIFORNIA BAY  
IZVESTIYA AKADEMII NAUK SSSR SERIYA GEOLOGICHESKAYA (5), 3-18 (1989)
115. BOGDANOV, YA; KHVOROVA, IV; SEROVA, VV; GORBUNOVA, ZN.  
THE SEDIMENTATION IN THE RIFT-ZONE OF HUAN-DE-FUCA RIDGE  
IZVESTIYA AKADEMII NAUK SSSR SERIYA GEOLOGICHESKAYA (5), 26-35  
(1989)
116. ZONENSHAIN, LP; KUZMIN, MI; LISITSIN, AP; BOGDANOV, YA; BARANOV,  
BV.  
TECTONICS OF THE MID-ATLANTIC RIFT-VALLEY BETWEEN THE TAG AND  
MARK AREAS (26-24-DEGREES-N) - EVIDENCE FOR VERTICAL TECTONISM  
TECTONOPHYSICS 159(1-2), 1-23 (1989)
117. ZONENSHAIN, LP; KUZMIN, MI; LISITSYN, AP; BOGDANOV, YA;  
SAGALEVICH, AM; BARANOV, BV.  
TECTONICS OF THE MID-ATLANTIC RIDGE RIFT-VALLEY BETWEEN 26-  
DEGREES-N AND 24-DEGREES-N - EVIDENCE OF VERTICAL DISPLACEMENTS  
GEOTECTONICS 23(4), 359-368 (1989)
118. ZONENSHAIN, L. P.; KUZMIN, M. I.; BOGDANOV, Y. A.; LISITSIN, A. P.;  
PODRAZHANSKY, A. M.; SINTON, J. M..  
GEOLOGY OF AXIAL SEAMOUNT, JUAN DE FUCA SPREADING CENTER,  
NORTHEASTERN PACIFIC  
EVOLUTION OF MID-OCEAN RIDGES , 53 (1989)

119. LISITSYN, A. P.; BOGDANOV, Y. A.; ZONENSHAYN, L. P.; KUZ'MIN, M. I.; PODRAZHANSKIY, A. M.. BLACK SMOKERS IN THE GULF OF CALIFORNIA INT. GEOL. REV. 31, 541 (1989)
120. LISITZIN, A. P.; ZONENSHAIN, L. P.; SAGALEVICH, A. M.; BOGDANOV, YU. A.; KUZ'MIN, M. I.. HYDROTHERMAL ACTIVITIES ON THE MID ~ ATLANTIC RIDGE AT 26&DEG; N, TAG HYDROTHERMAL FIELD IZV. AKAD. NAUK SSSR (12), 320 (1989)
121. BOGDANOV, YA; ZONENSHAIN, LP; LISITSIN, AP; PODRAZHANSKII, AM; SAGALEVICH, AM; SOROKHTIN, OG. IRON-MANGANESE ORE FORMATIONS OF SUBMARINE RIDGES IN OCEAN IZVESTIYA AKADEMII NAUK SSSR SERIYA GEOLOGICHESKAYA (7), 103-120 (1987)
122. LISITSYN, AP; BOGDANOV, YA; ZONENSHAIN, LP; KUZMIN, MI; SAGALEVICH, AM. GEOLOGY OF TADJUR RIFT AND ITS PLACE IN THE EARTH RIFT SYSTEM IZVESTIYA AKADEMII NAUK SSSR SERIYA GEOLOGICHESKAYA (1), 38-51 (1987)
123. KUPTSOV, VM; BOGDANOV, IA; PALKINA, AM; LISITSYN, AP. DETERMINATION OF THE MORB AGE BY THE LITHIFIED CARBONATE CRUST RADIOCARBON METHOD DOKLADY AKADEMII NAUK SSSR 285(1), 183-187 (1985)
124. KUZNETSOV, AP; BOGDANOV, UA; SAGALEVICH, AM; SBORSHCHIKOV, IM; ALMUHAMEDOV, AM; KUZMIN, MI; PODRAGANCKY, AM; GORLOV, AA. SOME RESULTS OF GEOLOGICAL INVESTIGATION OF THE REYKJANES RIDGE WITH THE SUBMERSIBLES OKEANOLOGIYA 25(1), 100-107 (1985)
125. KUZNETSOV, A.P.; BOGDANOV, YU.A.; SAGALEVICH, A.M.; SBORSHCHIKOV, I.M.; AL'MUKHAMEDOV, A.M.; KUZ'MIN, M.I.; PODRAZHANSKIY, A.M.; GORLOV, A.A.. SOME RESULTS OF GEOLOGICAL INVESTIGATION OF THE REYKJANES RIDGE FROM SUBMERSIBLES OCEANOLOGY 25(1), (1985)
126. SVAL'NOV, V.N.; STRIZHOV, V.P.; BOGDANOV, YU.A.; ISAYEVA, A.B.. HYDROTHERMAL BARITE CRUST ON BASALTS IN THE ATLANTIS-II DEEP (RED SEA) OCEANOLOGY 24(6), (1984)
127. BOGDANOV, YA; SAGALEVICH, AM. NEW DATA OF STRUCTURE OF THE REYKJANES RANGE VESTNIK AKADEMII NAUK SSSR (4), 127-& (1984)
128. LISITSYN, AP; BOGDANOV, YA; SAGALEVICH, AM; ZONENSHAIN, LP. UNDERWATER GEOLOGICAL STUDIES IN THE INDIAN-OCEAN VESTNIK AKADEMII NAUK SSSR (12), 89-98 (1984)
129. KUZNETSOV, AP; BOGDANOV, YA; SAGALEVICH, AM; SBORSHIKOV, IM; RUDENKO, MV; KUPTSOV, VM; SHREIDER, AA; PODRAZHANSKY, AM.

GEOLOGICAL, GEOPHYSICAL AND BIOLOGICAL STUDIES IN THE RIFT-ZONE  
OF THE NORTHERN PART OF THE ATLANTIC MID-OCEAN RIDGE THE 4TH  
CRUISE OF THE R/V AKADEMİK-MSTISLAV-KELDYSH AND THE 1ST CRUISE OF  
THE R/V RIFT  
OKEANOLOGIYA 24(5), 851-855 (1984)

130. **LISITSYN, AP; BOGDANOV, IA; ZONENSHAIN, LP; KUZMIN, MI;**  
**SAGALEVICH, AM.**  
STUDIES OF THE TAJURA RIFT (THE GULF OF ADEN) STRUCTURE BY MANNED  
SUBMERSIBLES  
DOKLADY AKADEMII NAUK SSSR 279(5), 1189-1193 (1984)
131. **BOGDANOV, IA; SAGALEVICH, AM; KUZMIN, MI; KUZNETSOV, AP.**  
GEOLOGICAL STRUCTURE OF RIFT ZONES OF THE REYKJANESS RIDGE AT 58-  
DEGREES-N  
DOKLADY AKADEMII NAUK SSSR 273(6), 1478-1482 (1983)
132. **KUZMIN, MI; LISITSYN, AP; BOGDANOV, IA; BATYRMURZAEV, AS.**  
RYOLITES OF THE WEST AUSTRALIAN RIDGE (INDIAN-OCEAN)  
DOKLADY AKADEMII NAUK SSSR 269(4), 900-904 (1983)
133. **LISITSYN, AP; KUZMIN, MI; BOGDANOV, IA; KHVOROVA, IV; SEROVA, VV.**  
GEOLOGICAL STRUCTURE OF ZONES OF ARABIAN-INDIAN RANGE  
TRANSFORM FAULTS  
DOKLADY AKADEMII NAUK SSSR 263(6), 1468-1472 (1982)
134. **BOGDANOV, YU. A.; GURVICH, E. G.; LISITZYN, A. P..**  
BIOGENIC DIFFERENTIATION OF SEDIMENTARY MATERIAL AND PROBLEMS  
OF PELAGIC SEDIMENTATION IN THE PACIFIC OCEAN  
CLIMATIC ZONING AND SEDIMENTATION , 198 (1981)
135. **LISITSYN, A. P.; BOGDANOV, YU. A.; LEVITAN, M. A.; NIKOLAEV, S. D.;**  
**CHEKHOVSKIKH, E. M..**  
HISTORY OF MESOZOIC-CENOZOIC SEDIMENTATION IN THE OCEAN  
GEOLOGICAL HISTORY OF THE OCEAN , 406 (1980)
136. **BOGDANOV, YA; GURVICH, EG; ORESHKIN, VN; KATARGIN, NV.**  
CADMIUM GEOCHEMISTRY IN THE PACIFIC-OCEAN WATERS  
GEOKHIMIYA (10), 1542-1553 (1980)
137. **BOGDANOV, YA; GURVICH, EG; LISITSIN, AP.**  
MODEL OF ACCUMULATION OF CALCIUM-CARBONATE IN BOTTOM  
SEDIMENTS OF THE PACIFIC-OCEAN  
GEOKHIMIYA (4), 548-556 (1980)
138. **LEVITAN, MA; BOGDANOV, IA; LISITSYN, AP.**  
ORGANIC-CARBON IN THE UPPER-CRETACEOUS-PLIOCENE DEPOSITS OF THE  
OCEANS  
DOKLADY AKADEMII NAUK SSSR 254(4), 962-966 (1980)
139. **BOGDANOV, YA; GURVICH, EG; LISITSIN, AP.**  
MODEL OF AMORPHOUS SILICA ACCUMULATION IN BOTTOM SEDIMENTS OF  
THE PACIFIC-OCEAN  
GEOKHIMIYA (1), 84-92 (1980)

140. LEVITAN, M. A.; BOGDANOV, YU. A.; MONIN, A. S.; LISITZIN, A. P..  
HISTORY OF BIOGENIC SILICA ACCUMULATION  
GEOLOGICAL HISTORY OF THE OCEAN , 231 (1980)
141. MIGDISOV, A. A.; BOGDANOV, YU. A.; LISITSYN, A. P.; ET AL..  
GEOCHEMISTRY OF METALLIFEROUS SEDIMENTS  
METALLIFEROUS SEDIMENTS OF THE SOUTHEASTERN PART OF THE PACIFIC  
OCEAN , 122 (1979)
142. BOGDANOV, YA; GURVICH, EG; LISITZIN, AP.  
MODEL OF ORGANIC-CARBON ACCUMULATION IN BOTTOM SEDIMENTS OF  
THE PACIFIC OCEAN  
GEOKHIMIYA (6), 918 (1979)
143. GURVICH, Y. G; BOGDANOV, Y. A.; LISITSYN, A. P..  
BEHAVIOR OF BARIUM IN RECENT SEDIMENTATION IN THE PACIFIC  
GEOCHEM. INT 15, 28 (1978)
144. GURVICH, EG; BOGDANOV, YA; LISITZIN, AP.  
BARIUM BEHAVIOR IN RECENT SEDIMENTATION IN PACIFIC OCEAN  
GEOKHIMIYA (3), 359 (1978)
145. GURVICH, EG; BOGDANOV, YA; KURINOV, AD; KATARGIN, NV.  
SCANDIUM IN BOTTOM SEDIMENTS OF SOUTHEASTERN PACIFIC  
GEOKHIMIYA (10), 1582 (1977)
146. GURVICH, YE.G.; BOGDANOV, YU.A.; KURINOV, A.D.; KATARGIN, N.V..  
ANTIMONY IN THE METALLIFEROUS SEDIMENTS OF THE PACIFIC OCEAN  
OCEANOLOGY 16(3), (1976)
147. LISITSYN, A. P.; BOGDANOV, YU. A.; MURDMAA, I. O.; SEROVA, V. V.;  
ZVERINSKAYA, I. B.; LEBEDEV, A. I.; LUKASHIN, V. N.; GORDEEV, V. V..  
METALLIFEROUS SEDIMENTS AND THEIR GENESIS  
GEOLOGICAL-GEOPHYSICAL STUDIES IN THE SOUTHEASTERN PACIFIC , 289  
(1976)
148. SMIRNOV, VI; BOGDANOV, YA; BORODAEV, YS; STAROSTIN, VI; FROLOVA,  
TN.  
SULFIDE MINERALIZATION IN BASIC ROCKS OF BOTTOM OF PACIFIC OCEAN  
DOKLADY AKADEMII NAUK SSSR 223(3), 692 (1975)
149. LISITZIN, A. P.; BOGDANOV, YU. A.; EMEL'YANOV, E. M.; ET AL..  
SUSPENDED MATTER IN THE ATLANTIC OCEAN  
SEDIMENTATION IN THE ATLANTIC OCEAN , 5 (1975)
150. LEVITAN, MA; DONTSOVA, EI; LISITSYN, AP; BOGDANOV, YA.  
GENESIS OF CHERTS IN SEDIMENTS OF PACIFIC OCEAN ACCORDING TO DATA  
OF ISOTOPIC COMPOSITION OF OXYGEN AND ANALYSIS OF THEIR  
DISTRIBUTION PECULIARITIES  
GEOKHIMIYA (3), 420 (1975)
151. BAGIN, VI; BAGINA, OA; BOGDANOV, YA; GENDLER, TS; LEBEDEV, AI;  
LISITSYN, AP; PECHERSKII, DM.  
IRON IN ORE-BEARING SEDIMENTS OF BAUER DEPRESSION AND EAST  
PACIFIC RISE  
GEOKHIMIYA (3), 431 (1975)

- 152. BOGDANOV, YA; LEVITAN, MA; PLYUSNINA, II.**  
QUANTITATIVE-ANALYSIS OF QUARTZ AND OPAL IN OCEAN SEDIMENTS BY  
INFRARED SPECTROSCOPY  
OCEANOLOGY-USSR 14(5), 756 (1974)
- 153. ZHIVAGO, V. N.; BOGDANOV, YU. A..**  
AEOROSOLS OVER ATLANTIC AND PACIFIC OCEANS  
HYDROPHYSICAL AND HYDROOPTIC STUDIES IN ATLANTIC AND PACIFIC  
OCEANS , 259 (1974)
- 154. SIDORENKO, GA; PLOSHKO, VV; BOGDANOV, YA; ABRAMOVA, LS.**  
PYROXENES, PLAGIOLASE, AND AMPHIBOLE FROM GABBROIDS OF  
ROMANCHE TRENCH (ATLANTIC)  
DOKLADY AKADEMII NAUK SSSR 209(6), 1405 (1973)
- 155. AGATOVA A I; BOGDANOV Y A.**  
BIOCHEMICAL COMPOSITION OF SUSPENDED ORGANIC MATTER FROM THE  
TROPICAL PACIFIC  
OKEANOLOGIYA 12(2), 267 (1972)
- 156. BOGDANOV, YA; PLOSHKO, VV.**  
GABBRO-PERIDOTITIC FORMATION OF ROMANCHE TRENCH (ATLANTIC  
OCEAN)  
DOKLADY AKADEMII NAUK SSSR 201(6), 1453 (1971)
- 157. LISITSYN, AP; BOGDANOV, YA; POTAPOVA, LI; MAKSIMOV, AN.**  
BITUMINOUS SUBSTANCES IN OCEANIC SUSPENDED MATERIAL  
OCEANOLOGY-USSR 11(1), 43 (1971)
- 158. PLOSHKO, VV; BOGDANOV, YA; KNYAZEVA, DN.**  
GABBRO-AMPHIBOLITES OF ROMANSH ABYSSAL TROUGH IN ATLANTIC  
DOKLADY AKADEMII NAUK SSSR 192(3), 615 (1970)
- 159. BOGDANOV, YU. A.; LISITSYN, A. P..**  
DISTRIBUTION AND COMPOSITION OF SUSPENDED ORGANIC MATTER IN  
PACIFIC WATER  
OKEANOLOG. ISSLED. (18), 75 (1968)
- 160. BOGDANOV, YA; PLOSHKO, VV.**  
MAGMATIC AND METAMORPHIC ROCKS OF ABYSSAL TROUGH ROMANCHE  
DOKLADY AKADEMII NAUK SSSR 177(4), 909 (1967)
- 161. BOGDANOV, YA; USHAKOVA, MG.**  
COCCOLITES OF GROUP OF DISCOASTER TAN SYN HOK IN AQUEOUS  
SUSPENSIONS FROM PACIFIC  
DOKLADY AKADEMII NAUK SSSR 171(2), 465 (1966)
- 162. BOGDANOV, YU. A..**  
VZVESHENNOE ORGANICHESKOE VESHCHESTVO V VODAKH TIKHOGO  
OKEANA  
OKEANOLOGIYA 5((2)), 286 (1965)