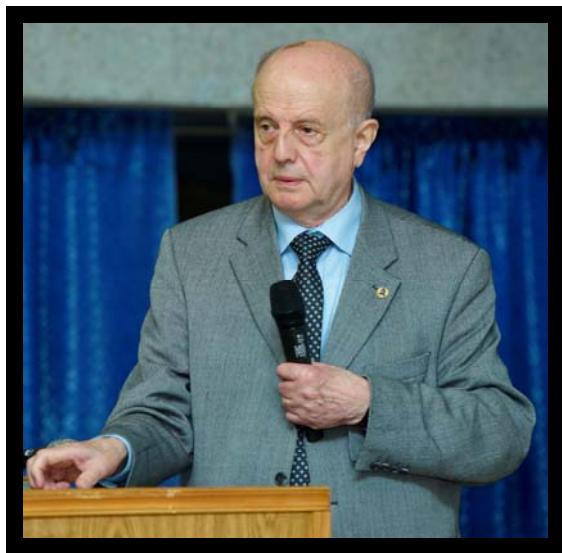


Киселев Николай Андреевич



(05.10.1928-17.09.2016)

После продолжительной тяжелой болезни на 87 году жизни умер выдающийся ученый, член-корреспондент РАН, профессор, доктор биологических наук, лауреат Государственной премии, почетный член Королевского микроскопического общества (Великобритания), руководитель Научного совета по электронной микроскопии РАН, заведующий лабораторией электронной микроскопии ИК РАН Николай Андреевич Киселев.

Николай Андреевич был крупным специалистом в области исследования структуры белков, нукleinовых кислот, вирусов и рибосом, нанокомпозитов на основе углеродных нанотрубок методами электронной микроскопии высокого разрешения, он автор более 300 научных публикаций в отечественных и зарубежных журналах.

Николай Андреевич работал в Институте кристаллографии им. А.В.Шубникова РАН с 1959 года, был одним из пионеров электронной микроскопии в СССР. Им установлена четвертичная структура многих белков, структура нескольких вирусов, найдены новые формы кристаллизации белков, внесен существенный вклад в исследования структуры рибосом.

Им создана школа высококвалифицированных специалистов в области электронной микроскопии, успешно работающих как у нас в стране, так и за рубежом. Под его руководством выполнены и защищены более 20 кандидатских и докторских диссертаций. В течение многих лет был членом Бюро Отделения биохимии, биофизики и химии физиологически активных соединений АН СССР, заместителем председателя Научного совета АН СССР по электронной микроскопии. Входил в состав Ученого и диссертационного советов при Институте кристаллографии им. А.В. Шубникова РАН и возглавлял Научный совет РАН по электронной микроскопии.

Николай Андреевич до последних дней жизни был среди молодежи. Всегда готовый прийти на помощь, он отличался огромным чувством ответственности за своё дело и судьбы людей, которые его окружали.

Глубоко скорбим в связи с кончиной Киселева Николая Андреевича, выражаем родственникам искренние соболезнования.

Светлая память о Николае Андреевича навсегда останется в сердцах его коллег, друзей и родственников.

Сотрудники лаборатории электронной микроскопии

Список публикаций:

1. Eliseev, AA; Verbitskiy, NI; Volykhov, AA; Fedorov, AV; Vilkov, OY; Verbitskiy, II; Brzhezinskaya, MM; **Kiselev, NA**; Yashina, LV.
The impact of dimensionality and stoichiometry of CuBr on its coupling to sp(2)-carbon
CARBON 99, 619-623 (2016)
2. **Kiselev, NA**; Kumskov, AS; Zhigalina, VG; Vasiliev, AL; Sloan, J; Falaleev, NS; Verbitskiy, NI; Eliseev, AA.
The structure and continuous stoichiometry change of 1DTbBr(x)@SWCNTs
JOURNAL OF MICROSCOPY 262(1), 92-101 (2016)
3. Sokolova, OS; Shaburova, OV; Pechnikova, EV; Shaytan, AK; Krylov, SV; **Kiselev, NA**; Krylov, VN.
Genome packaging in EL and Lin68, two giant phiKZ-like bacteriophages of *P-aeruginosa*
VIROLOGY 468, 472-478 (2014)
4. Ponomarev, II; Ponomarev, II; Filatov, IY; Filatov, YN; Razorenov, DY; Volkova, YA; Zhigalina, OM; Zhigalina, VG; Grebenev, VV; **Kiselev, NA**.
Design of Electrodes Based on a Carbon Nanofiber Nonwoven Material for the Membrane
Electrode Assembly of a Polybenzimidazole-Membrane Fuel Cell
DOKLADY PHYSICAL CHEMISTRY 448, 23-27 (2013)
5. **Kiselev, NA**; Kumskov, AS; Zhigalina, VG; Verbitskiy, NI; Yashina, LV; Chuvilin, AL; Vasiliev, AL; Eliseev, AA.
The structure and electronic properties of copper iodide 1D nanocrystals within single walled
carbon nanotubes
18TH MICROSCOPY OF SEMICONDUCTING MATERIALS CONFERENCE (MSM XVIII)
471, - (2013)
6. **Kiselev, N.A.**
Development of a method for determination of heat transfer coefficient and temperature recovery
factor based on thermal picture of a plate surface streamlined by compressed gas flow
Thermal Processes in Engineering 5(7), (2013)
7. Kumskov, AS; Eliseev, AA; Freitag, B; **Kiselev, NA**.
HRTEM of 1DSnTe@SWNT nanocomposite located on thin layers of graphite
JOURNAL OF MICROSCOPY 248(2), 117-119 (2012)
8. Kumskov, AS; Zhigalina, VG; Chuvalin, AL; Verbitskiy, NI; Ryabenko, AG; Zaytsev, DD;
Eliseev, AA; **Kiselev, NA**.
The structure of 1D and 3D CuI nanocrystals grown within 1.5-2.5 nm single wall carbon
nanotubes obtained by catalyzed chemical vapor deposition
CARBON 50(12), 4696-4704 (2012)
- 9 Eliseev, AA; Yashina, LV; Verbitskiy, NI; Brzhezinskaya, MM; Kharlamova, MV;
Chernysheva, MV; Lukashin, AV; **Kiselev, NA**; Kumskov, AS; Freitag, B; Generalov, AV;
Vinogradov, AS; Zubavichus, YV; Kleimenov, E; Nachtegaal, M.
Interaction between single walled carbon nanotube and 1D crystal in CuX@SWCNT (X = Cl,

Br, I) nanostructures

CARBON 50(11), 4021-4039 (2012)

10. Kiselev, NA; Kumskov, AS; Zakalyukin, RM; Vasiliev, AL; Chernisheva, MV; Eliseev, AA; Krestinin, AV; Freitag, B; Hutchison, JL.

The structure of nanocomposite 1D cationic conductor crystal@SWNT

JOURNAL OF MICROSCOPY 246(3), 309-321 (2012)

11. Musatov, AL; Gulyaev, YV; Izrael'yants, KR; Ormont, AB; Chirkova, EG; Maslennikov, OY; Guzilov, IA; **Kiselev, NA**; Kukovitsky, EF.

Properties of Field Electron Emitter Based on Carbon Nanotubes Installed in the Small-Sized X-Ray Tube

FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 19(1-2), 69-74 (2011)

12. Artemov, VV; Demianets, LN; **Kiselev, NA**.

Point field emitters based on rod-like ZnO nanocrystals

17TH INTERNATIONAL CONFERENCE ON MICROSCOPY OF SEMICONDUCTING MATERIALS 2011 326, - (2011)

13. Eliseev, Andrei; Yashina, Lada; Kharlamova, Marianna; **Kiselev, Nikolay**; Marulanda, JM. One-Dimensional Crystals inside Single-Walled Carbon Nanotubes: Growth, Structure and Electronic Properties

ELECTRONIC PROPERTIES OF CARBON NANOTUBES , 127 (2011)

14. Eliseev, AA; Yashina, LV; Brzhezinskaya, MM; Chernysheva, MV; Kharlamova, MV; Verbitsky, NI; Lukashin, AV; **Kiselev, NA**; Kumskov, AS; Zakalyuhin, RM; Hutchison, JL; Freitag, B; Vinogradov, AS.

Structure and electronic properties of AgX (X = Cl, Br, I)-intercalated single-walled carbon nanotubes

CARBON 48(10), 2708-2721 (2010)

15. Zakalyukin, RM; Demyanets, LN; **Kiselev, NA**.

One-Dimensional SnF₂ Single Crystals in the Inner Channels of Single-Wall Carbon Nanotubes: II. Structure and Nanocomposite Construction Modeling
CRYSTALLOGRAPHY REPORTS 55(4), 688-694 (2010)

16. Stepanova, AN; Muratova, VI; Obolenskaya, LN; Zhigalina, OM; **Kiselev, NA**; Givargizov, EI.

Investigation of the formation of nanowires from silicon whiskers

CRYSTALLOGRAPHY REPORTS 55(3), 500-506 (2010)

17. Zakalyukin, RM; Demyanets, LN; **Kiselev, NA**; Kumskov, AS; Kislov, MB; Krestinin, AV; Hutchison, JL.

One-dimensional SnF₂ single crystals in the inner channels of single-wall carbon nanotubes: I. Preparation and basic characterization

CRYSTALLOGRAPHY REPORTS 55(3), 507-512 (2010)

18. Generalov, AV; Brzhezinskaya, MM; Puttner, R; Vinogradov, AS; Chernysheva, MV; Eliseev, AA; Kiselev, NA; Lukashin, AV; Tretyakov, YD.

Electronic Structure of CuI@SWCNT Nanocomposite Studied by X-Ray Absorption Spectroscopy

FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 18(4-6), 574-578 (2010)

19. Eliseev, AA; Chernysheva, MV; Verbitskii, NI; Kiseleva, EA; Lukashin, AV; Tretyakov, YD; **Kiselev, NA**; Zhigalina, OM; Zakalyukin, RM; Vasiliev, AL; Krestinin, AV; Hutchison, JL; Freitag, B.

Chemical Reactions within Single-Walled Carbon Nanotube Channels

CHEMISTRY OF MATERIALS 21(21), 5001-5003 (2009)

20. Eliseev, AA; Kharlamova, MV; Chernysheva, MV; Lukashin, AV; Tretyakov, YD; Kumskov, AS; **Kiselev, NA**.

Preparation and properties of single-walled nanotubes filled with inorganic compounds
RUSSIAN CHEMICAL REVIEWS 78(9), 833-854 (2009)

- 21.** Krestinin, A.; Kharitonov, A.; Shulga, Yu.; Zhigalina, O.; Knerel'man, E.; Dubois, M.; Brzhezinskaya, M.; Vinogradov, A.; Preobrazhenskii, A.; Zvereva, G.; Kislov, M.; Martynenko, V.; Korobov, I.; Davydova, G.; Zhigalina, V.; **Kiselev, N.**
Fabrication and characterization of fluorinated single-walled carbon nanotubes
Nanotechnologies in Russia 4(1), 60 (2009)
- 22.** **Kiselev, NA**; Zakalyukin, RM; Zhigalina, OM; Grobert, N; Kumskov, AS; Grigoriev, YV; Chernysheva, MV; Eliseev, AA; Krestinin, AV; Tretyakov, YD; Freitag, B; Hutchison, JL.
The structure of 1D CuI crystals inside SWNTs
JOURNAL OF MICROSCOPY 232(2), 335-342 (2008)
- 23.** Zakalyukin, RM; Mavrin, BN; Dem'yanets, LN; **Kiselev, NA**.
Synthesis and characterization of single-walled carbon nanotubes filled with the superionic material SnF₂
CARBON 46(12), 1574-1578 (2008)
- 24.** Chernysheva, MV; Kiseleva, EA; Verbitskii, NI; Eliseev, AA; Lukashin, AV; Tretyakov, YD; Savilov, SV; **Kiselev, NA**; Zhigalina, OM; Kumskov, AS; Krestinin, AV; Hutchison, JL.
The electronic properties of SWNTs intercalated by electron acceptors
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES 40(7), 2283-2288 (2008)
- 25.** Chernyshova, M.V.; Kiseleva, E.A.; Eliseev, A.A.; Lukashin, A.V.; Tret'yakov, D.D.; **Kiselev, N.A.**; Zhigalina, O.M.; Krestinin, A.V.; Khatchison, D.L..
Synthesis and Study of Nanocrystals in the Internal Channels of Single-Walled Carbon Nanotubes
Altern. Energ. Ekol. (1), 22 (2008)
- 26.** Hutchison, JL; Grobert, N; Zakalyukin, RM; Eliseev, AA; Chernisheva, MV; Kumnskov, AS; Grigoriev, YV; Krestinin, AV; Freitag, B; **Kiselev, NA**.
The behaviour of 1D CuI crystal@SWNT nanocomposite under electron irradiation
ELECTRON MICROSCOPY AND MULTISCALE MODELING, PROCEEDINGS 999, 79-92 (2008)
- 27.** Musatov, AL; Gulyaev, YV; Izrael'yants, KR; Kukovitskii, EF; **Kiselev, NA**; Maslennikov, OY; Guzilov, IA; Ormont, AB; Chirkova, EG.
A compact X-ray tube with a field emitter based on carbon nanotubes
JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS 52(6), 714-716 (2007)
- 28.** Ryabenko, AG; **Kiselev, NA**; Hutchison, JL; Moroz, TN; Bukalov, SS; Mikhalitsyn, LA; Loutfy, RO; Moravsky, AP.
Spectral properties of single-walled carbon nanotubes encapsulating fullerenes
CARBON 45(7), 1492-1505 (2007)
- 29.** Chernysheva, MV; Eliseev, AA; Lukashin, AV; Tretyakov, YD; Savilov, SV; **Kiselev, NA**; Zhigalina, OM; Kumskov, AS; Krestinin, AV; Hutchison, JL.
Filling of single-walled carbon nanotubes by CuI nanocrystals via capillary technique
PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES 37(1-2), 62-65 (2007)
- 30.** Stepanova, AN; Muratova, VI; Obolenskaya, LN; Zhigalina, OM; **Kiselev, NA**; Givargizov, EI.
Preparation of nanowires from silicon whiskers
PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON NANOSCIENCE AND TECHNOLOGY 61, 352-358 (2007)
- 31.** **Kiselev, NA**; Krestinin, AV; Raevskii, AV; Zhigalina, OM; Zvereva, GI; Kislov, MB;

Artemov, VV; Grigoriev, YV; Hutchison, JL.

Extreme-length carbon nanofilaments with single-walled nanotube cores grown by pyrolysis of methane or acetylene

CARBON 44(11), 2289-2300 (2006)

32. Musatov, AL; Gulyaev, YV; Izrael'yants, KR; Kukovitskii, EF; **Kiselev, NA**; Maslennikov, OY; Guzilov, IA; Zhigalina, OM; Ormont, AB; Chirkova, EG.

Low-voltage planar field emitters based on carbon nanotubes

JOURNAL OF COMMUNICATIONS TECHNOLOGY AND ELECTRONICS 51(8), 960-964 (2006)

33. Krestinin, AV; Raevskii, AV; Zhigalina, OM; Zvereva, GI; Kislov, MB; Kolesova, OI; Artemov, VV; **Kiselev, NA**.

Growth of unusual carbon nanofilaments in methane pyrolysis

KINETICS AND CATALYSIS 47(4), 497-500 (2006)

34. Ryabenko, AG; Kiryukhina, DP; Kichigina, GA; **Kiselev, NA**; Zhigalina, OM; Zverevaa, GI; Krestinin, AV.

Gamma-radiolysis of aqueous suspensions of single-wall carbon nanotubes

DOKLADY PHYSICAL CHEMISTRY 409, 181-185 (2006)

35. Musatov, AL; Izrael'yants, KR; Krestinin, AV; Raevsky, AV; **Kiselev, NA**; Ormont, AB; Artemov, VV; Zhigalina, OM.

Field electron emission from layers with very long and sparse carbon nanotubes

FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 14(2-3), 179-185 (2006)

36. Maslennikov, OY; Gulyaev, YV; Izrael'yants, KR; Musatov, AL; Ormont, AB; Stanislavchik, KV; Guzilov, IA; Lamonov, SV; **Kiselev, NA**; Kukovitskiy, EF.

Small-sized X-ray tube with the field electron emitter on the base of carbon nanotubes

2006 IEEE INTERNATIONAL VACUUM ELECTRONICS CONFERENCE HELD JOINTLY WITH 2006 IEEE INTERNATIONAL VACUUM ELECTRON SOURCES , 513-513 (2006)

37. Musatov, A.L.; Gulyaev, Yu. V.; Izrael'yants, K.R.; Kukovitskii, E.F.; **Kiselev, N.A.**; Maslennikov, O. Yu.; Guzilov, I.A.; Zhigalina, O.M.; Ormont, A.B.; Chirkova, E.G..

Low-Voltage Planar Field Emitters Based on Carbon Nanotubes

Radiotekhnika i elektronika 51(8), 1019 (2006)

38. **Kiselev, NA**; Musatov, AL; Kukovitskii, EF; Hutchison, JL; Zhigalina, OM; Artemov, VV; Grigoriev, YV; Izrael'yants, KR; L'vov, SG.

Influence of electric field and emission current on the configuration of nanotubes in carbon nanotube layers

CARBON 43(15), 3112-3123 (2005)

39. Musatov, AL; Izrael'yants, KR; Ormont, AB; Krestinin, AV; **Kiselev, NA**; Artemov, VV; Zhigalina, OM; Grigoriev, YV.

Field emission from carbon layers containing very long and sparse nanotubes/nanofilaments

APPLIED PHYSICS LETTERS 87(18), - (2005)

40. **Kiselev, NA**; Hutchison, JL; Ryabenko, AG; Rakova, EV; Chizhov, PE; Zhigalina, OM; Artemov, VV; Grigoriev, YV.

Two structural types of carbon bi-filaments

CARBON 43(9), 1897-1908 (2005)

41. **Kiselev, NA**; Hutchison, JL; Roddatis, VV; Stepanova, AN; Aksanova, LL; Rakova, EV; Mashkova, ES; Molchanov, VA; Givargizov, EI.

TEM and HREM of diamond crystals grown on Si tips: structure and results of ion-beam-treatment

MICRON 36(1), 81-88 (2005)

42. Krestinin, A. V.; **Kiselev, N. A.**; Raevskii, A. V.; Ryabenko, A. G.; Zakharov, D. N.; Zvereva, G. I..

Perspective of Single-Wall Carbon Nanotube Production in the Arc-Discharge
Eurasian Chem.-Technol. J. 5, 7 (2005)

43. Kiselev, NA; Hutchison, JL; Moravsky, AP; Rakova, EV; Dreval, EV; Hetherington, CJD; Zakharov, DN; Sloan, J; Loutfy, RO.

Carbon micro- and nanotubes synthesized by PE-CVD technique: Tube structure and catalytic particles crystallography

CARBON 42(1), 149-161 (2004)

44. Musatov, AL; Krestinin, AV; **Kiselev, NA**; Izrael'yants, KR; Ormont, AB; Chirkova, EG.

Field electron emission from single-walled carbon nanotube layers

FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 12(1-2), 111-115 (2004)

45. Krestinin, AV; Raevskii, AV; **Kiselev, NA**; Zvereva, GI; Zhigatina, ON; Kolesova, OI.

Optical activity effect in crystalline structures of purified single-wall carbon nanotubes

CHEMICAL PHYSICS LETTERS 381(5-6), 529-534 (2003)

46. Krestinin, A.V.; Kiselev, N.A.; Raevskii, A.V.; Ryabenko, A.G.; Zakharov, D.N.; Zvereva, G.I..

Perspective of single- wall carbon nanotube production in the arc- discharge process

Euras. Chem. Tech. J. 5, 7 (2003)

47. Givargizov, EI; Stepanova, AN; Aksanova, LL; Rakova, EV; Hatchison, JL; Kiselev, NA; Mashkova, ES; Molchanov, VA.

Nucleation and growth of crystalline diamond particles on silicon tips

CRYSTALLOGRAPHY REPORTS 47, S159-S168 (2002)

48. Musatov, AL; **Kiselev, NA**; Zakharov, DN; Kukovitskii, EF; Zhanov, AI; Izrael'yants, KR; Chirkova, EG.

Field electron emission from nanotube carbon layers grown by CVD process

APPLIED SURFACE SCIENCE 183(1-2), 111-119 (2001)

49. **Kiselev, NA**; Zakharov, DN.

Electron microscopy of carbon nanotubes

CRYSTALLOGRAPHY REPORTS 46(4), 577-585 (2001)

50. Kolachevskii, NN; Papchenko, AA; **Kiselev, NA**; Sorokin, VN; Akimov, AV; Kanorskii, SI. Isotopic shifts and the hyperfine structure of the samarium spectral lines at 672 and 686 nm (vol 90, pg 164, 2001)

OPTICS AND SPECTROSCOPY 90(5), 794-794 (2001)

51. Kolachevskii, NN; Akimov, AV; **Kiselev, NA**; Papchenko, AA; Sorokin, VN; Kanorskii, SI. Resonances of coherent population trapping in samarium vapours
QUANTUM ELECTRONICS 31(1), 61-66 (2001)

52. Hutchison, JL; **Kiselev, NA**; Krinichnaya, EP; Krestinin, AV; Loutfy, RO; Morawsky, AP; Muradyan, VE; Obraztsova, ED; Sloan, J; Terekhov, SV; Zakharov, DN.

Double-walled carbon nanotubes fabricated by a hydrogen arc discharge method

CARBON 39(5), 761-770 (2001)

53. Vladimirova, JV; Grishanin, BA; Zadkov, VN; Kolachevsky, NN; Akimov, AV; **Kiselev, NA**; Sorokin, VN; Kanorskii, SI.

Spectroscopy of coherent dark resonances in samarium

ICONO 2001: NOVEL TRENDS IN NONLINEAR LASER SPECTROSCOPY AND OPTICAL DIAGNOSTICS AND LASER IN CHEMISTRY, BIOPHYSICS, AND BIOMEDICINE 4749, 147-156 (2001)

54. Roddatis, VV; Stepansov, EA; **Kiselev, NA**.

HREM investigations of intermediate ZnO and ZnO/Y-ZrO₂ layers in Y-ZrO₂ bicrystals and ZnO films grown on Y-ZrO₂ bicrystal substrates

JOURNAL OF CRYSTAL GROWTH 220(4), 515-521 (2000)

- 55.** Blank, VD; Gorlova, IG; Hutchison, JL; **Kiselev, NA**; Ormont, AB; Polyakov, EV; Sloan, J; Zakharov, DN; Zybtsev, SG.
The structure of nanotubes fabricated by carbon evaporation at high gas pressure
CARBON 38(8), 1217-1240 (2000)
- 56.** Assovskii, IG; Zhigalina, OM; **Kiselev, NA**; Kuznetsov, GP; Kolesnikov-Svinarev, VI.
Gravity effect in aluminum droplet combustion
DOKLADY AKADEMII NAUK 367(2), 175-178 (1999)
- 57.** **Kiselev, NA**; Moravsky, AP; Ormont, AB; Zakharov, DN.
SEM and HREM study of the internal structure of nanotube rich carbon arc cathodic deposits
CARBON 37(7), 1093-1103 (1999)
- 58.** Roddatis, VV; Vasiliev, AL; Stepanov, EA; **Kiselev, NA**; Olsson, E; Ivanov, ZG; Claeson, T.
Microstructure of yttrium stabilized ZrO₂ crystals with CeO₂ and SrTiO₃ intermediate layers
THIN SOLID FILMS 333(1-2), 207-212 (1998)
- 59.** Tsebro, VI; Omel'yanovskii, OE; Kukovitskii, EF; Sainov, NA; **Kiselev, NA**; Zakharov, DN.
Temperature dependence of electric resistance and magnetoresistance of pressed nanocomposites
of multilayer nanotubes with the structure of nested cones
JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS 86(6), 1216-1219 (1998)
- 60.** Givargizov, EI; Stepanova, AN; Aksanova, LL; Muratova, VI; **Kiselev, NA**; Roddatis, VV;
Rakova, EV; Mashkova, ES; Molchanov, VA.
Application of ion bombardment for producing of diamond tips on the tops of silicon whiskers
IZVESTIYA AKADEMII NAUK SERIYA FIZICHESKAYA 62(4), 723-727 (1998)
- 61.** Sarrazit, F; Pond, RC; **Kiselev, NA**.
Structure transition in a ZnO grain boundary
PHILOSOPHICAL MAGAZINE LETTERS 77(4), 191-198 (1998)
- 62.** **Kiselev, NA**; Sloan, J; Zakharov, DN; Kukovitskii, EF; Hutchison, JL; Hammer, J;
Kotosonov, AS.
Carbon nanotubes from polyethylene precursors: Structure and structural changes caused by
thermal and chemical treatment revealed by HREM
CARBON 36(7-8), 1149-1157 (1998)
- 63.** **Kiselev, NA**; Zakharov, DN; Sloan, J; Kukovitskii, EF; Hutchison, JL; Kotosonov, AS.
Carbon nanotubes from polyethylene precursor: Structure and structural phenomena under heat
treatment revealed by high resolution electron microscopy
MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY
SECTION C-MOLECULAR MATERIALS 10(1-4), 155-158 (1998)
- 64.** Tsebro, VI; Omel'yanovskii, OE; Kukovitskii, EF; Sainov, NA; **Kiselev, NA**; Zakharov, DN.
Two-dimensional behavior of hopping conductivity in compacted nanocomposites containing
carbon multilayer "fishbone" nanotubes
MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY
SECTION C-MOLECULAR MATERIALS 10(1-4), 175-180 (1998)
- 65.** Kiselev, AN; Sarrazit, F; Stepanov, EA; Olsson, E; Claeson, T; Bondarenko, VI; Pond, RC;
Kiselev, NA.
High-resolution electron microscopy of ZnO grain boundaries in bicrystals obtained by the solid-
phase intergrowth process
PHILOSOPHICAL MAGAZINE A-PHYSICS OF CONDENSED MATTER STRUCTURE
DEFECTS AND MECHANICAL PROPERTIES 76(3), 633-655 (1997)
- 66.** Sinitsyn, NI; Gulyaev, YV; Torgashov, GV; Chernozatonskii, LA; Kosakovskaya, ZY;
Zakharchenko, YF; **Kiselev, NA**; Musatov, AL; Zhbanov, AI; Mevlyut, ST; Glukhova, OE.
Thin films consisting of carbon nanotubes as a new material for emission electronics
APPLIED SURFACE SCIENCE 111, 145-150 (1997)

- 67.** Kiselev, NA; Hutchison, JL; Stepanova, AN; Kiselev, AN; Givargizov, EI. HREM of nanometric tips prepared from epitaxially grown silicon whiskers MICRON 28(1), 21-29 (1997)
- 68.** Chernozatonskii, LA; Valchuk, VP; **Kiselev, NA**; Lebedev, OI; Ormont, AB; Zakharov, DN. Synthesis and structure investigations of alloys with fullerene and nanotube inclusions CARBON 35(6), 749-753 (1997)
- 69.** Bottcher, B; **Kiselev, NA**; StelMashchuk, VY; Perevozchikova, NA; Borisov, AV; Crowther, RA. Three-dimensional structure of infectious bursal disease virus determined by electron cryomicroscopy JOURNAL OF VIROLOGY 71(1), 325-330 (1997)
- 70.** Kukovitskii, EF; Chernozatonskii, LA; **Kiselev, NA**; Lebedev, OI; Ormont, AB; Melnik, NN; Omeljanovskii, OE; Tsebro, VI. Synthesis and study of new carbon films containing nanotube/fullerene structures MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY SECTION C-MOLECULAR MATERIALS 8(1-2), 17-20 (1996)
- 71.** Valchuk, VP; Ormont, AB; Chernozatonskii, LA; Lebedev, OI; **Kiselev, NA**. Fullerenes and tubelenes in inclusions of iron-nickel-carbon alloys MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY SECTION C-MOLECULAR MATERIALS 8(1-2), 31-34 (1996)
- 72.** VASILIEV, AL; OLSSON, E; BOIKOV, J; CLAESON, T; **KISELEV, NA**. INTERFACIAL INTERACTIONS OF YBA₂Cu₃O_{7-X} THIN-FILMS ON SI SUBSTRATES WITH POLYCRYSTALLINE Y STABILIZED ZRO₂ BUFFER LAYERS PHYSICA C 253(3-4), 297-307 (1995)
- 73.** OMELYANOVSKII, OE; TSEBRO, VI; LEBEDEV, OI; KISELEV, AN; BONDARENKO, VI; **KISELEV, NA**; KOSAKOVSKAJA, ZJ; CHERNOZATONSKII, LA. TEMPERATURE-DEPENDENCE OF THE RESISTIVITY AND STRUCTURE OF CARBON NANOTUBE FILMS CONTAINING VARIOUS KINDS OF TUBULES JETP LETTERS 62(6), 503-511 (1995)
- 74.** VASILIEV, AL; STEPANTSOV, EA; RODDATIS, VV; **KISELEV, NA**; OLSSON, E; IVANOV, ZG; CLAESON, T. THE STRUCTURE OF ARTIFICIAL GRAIN-BOUNDARIES IN YTTRIUM STABILIZED ZRO₂ BICRYSTALS WITH INTERMEDIATE LAYERS PHYSICA STATUS SOLIDI A-APPLIED RESEARCH 151(1), 151-164 (1995)
- 75.** ALARCO, JA; OLSSON, E; IVANOV, ZG; WINKLER, D; STEPANTSOV, EA; LEBEDEV, OI; VASILIEV, AL; TZALENCHUK, AY; **KISELEV, NA**. MICROSTRUCTURE AND PROPERTIES OF ARTIFICIAL GRAIN-BOUNDARIES IN EPITAXIAL YBA₂Cu₃O_{7-DELTA} THIN-FILMS GROWN ON [001] TILT Y-ZRO₂ BICRYSTALS PHYSICA C 247(3-4), 263-279 (1995)
- 76.** **KISELEV, NA**; LEBEDEV, OI; VASILIEV, AL; ANTIPOV, MV; ORLIKOVSKY, AA; VALIEV, KA; VASILIEV, AG. INVESTIGATION OF MULTILAYERED GE/SI STRUCTURES WITH VARYING THICKNESSES VACUUM 46(3), 269-276 (1995)
- 77.** Vasiliev, AL; VanTendeloo, G; Boikov, Y; Olsson, E; Ivanov, Z; Claeson, T; **Kiselev, NA**. Structural aspects of the combination of Si and YBa₂Cu₃O_{7-x} MICROSCOPY OF SEMICONDUCTING MATERIALS 1995 146, 333-336 (1995)
- 78.** **Kiselev, NA**; Lebedev, OI; Kiselev, AN; Bondarenko, VI; Chernozatonskii, LA; Kosakovskaja, ZJ; Omelianovskii, OE; Tzebro, VI; Fedorov, EA.

Structure and conductivity of films from various kinds of oriented carbon nanotubes
MICROSCOPY OF SEMICONDUCTING MATERIALS 1995 146, 65-68 (1995)

79. Lebedev, OI; **Kiselev, NA**; Vasiliev, AG; Orlikovsky, AA.

TEM investigation of GexSi_{1-x}/Si(111) heterostructures grown by MBE

MICROSCOPY OF SEMICONDUCTING MATERIALS 1995 146, 297-300 (1995)

80. CHERNOZATONSKII, LA; KOSAKOVSKAJA, ZJ; KISELEV, AN; **KISELEV, NA**.
CARBON-FILMS OF ORIENTED MULTILAYERED NANOTUBES DEPOSITED ON KBR
AND GLASS BY ELECTRON-BEAM EVAPORATION
CHEMICAL PHYSICS LETTERS 228(1-3), 94-99 (1994)

81. WU, XH; TIKHONOVA, AA; SKLOVSKY, DE; **KISELEV, NA**; WU, ZQ.
HREM STUDY OF STRAINED CdTe LAYER ON ROUGH GaAs(001) SUBSTRATE
GROWN BY HOT-WALL EPITAXY
PHILOSOPHICAL MAGAZINE A-PHYSICS OF CONDENSED MATTER STRUCTURE
DEFECTS AND MECHANICAL PROPERTIES 70(2), 277-285 (1994)

82. VASILIEV, AL; STEPANTSOV, EA; **KISELEV, NA**.
HREM OF ARTIFICIAL GRAIN-BOUNDARIES IN BI-CRYSTALS AND TRI-CRYSTALS
OBTAINED BY THE SOLID-PHASE INTERGROWTH PROCESS
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH 144(2), 383-392 (1994)

83. CROWTHER, RA; **KISELEV, NA**; BOTTCHER, B; BERRIMAN, JA; BORISOVA, GP;
OSE, V; PUMPENS, P.
3-DIMENSIONAL STRUCTURE OF HEPATITIS-B VIRUS CORE PARTICLES
DETERMINED BY ELECTRON CRYOMICROSCOPY
CELL 77(6), 943-950 (1994)

84. VASILIEV, AL; STEPANTSOV, EA; **KISELEV, NA**; RODDATIS, VV; OLSSON, E;
IVANOV, Z; CLAESON, T.
HREM of artificial grain boundaries in Bi- and tricrystals
ELECTRON MICROSCOPY 1994, VOLS 2A AND 2B: APPLICATIONS IN MATERIALS
SCIENCES , 261-262 (1994)

85. ALARCO, JA; OLSSON, E; IVANOV, ZG; WINKLER, D; CLAESON, T; STEPANTSOV,
EA; LEBEDEV, OI; VASILIEV, A; **KISELEV, NA**.
Microstructure of epitaxial YBa₂CuO₇-delta thin films on (001)-tilt Y-ZrO₂ bicrystals
ELECTRON MICROSCOPY 1994, VOLS 2A AND 2B: APPLICATIONS IN MATERIALS
SCIENCES , 995-996 (1994)

86. **KISELEV, NA**; LEBEDEV, OI; ORLIKOVSKY, AA; SEDELNIKOV, AE; VALIEV, KA;
VASILIEV, AG; VASILIEV, AL.
INVESTIGATION OF THERMAL-STABILITY OF MULTILAYERED Si/TiSi₂-AL AND
Si/TiSi₂(TIN)-W-AL SYSTEMS
VACUUM 44(10), 1015-1023 (1993)

87. BASOVICH, AJ; GAPONOV, SV; JASTRABIK, L; JELINEK, M; **KISELEV, NA**;
KLUENKOV, EB; LEBEDEV, OI; MAZO, LA; SOUKUP, L; STRIKOVSKIJ, MD;
TALANOV, VV; VASILIEV, AL.

LASER DEPOSITION OF Y-BA-CU-O ON ZRO₂-COATED SAPPHIRE SUBSTRATES
THIN SOLID FILMS 228(1-2), 193-195 (1993)

88. **KISELEV, NA**; LEBEDEV, OI; VASILIEV, AL; ORLIKOVSKY, AA; VALIEV, KA;
VASILIEV, AG.
ELECTRON-MICROSCOPY OF STRUCTURALLY DIFFERENT TITANIUM DISILICIDE
FILMS, OBTAINED IN ONE TECHNOLOGICAL PROCESS
VACUUM 44(2), 143-150 (1993)

89. **KISELEV, NA**; VASILIEV, AL; LEBEDEV, OI; GIVARGIZOV, EI; STEPANOVA, AN;
KISELEV, AN; HUTCHISON, J.

- ELECTRON-MICROSCOPY OF EPITAXIAL STRUCTURES
MICROSCOPY OF SEMICONDUCTING MATERIALS 1993 (134), 341-348 (1993)
- 90.** LEBEDEV, OI; VASILIEV, AL; **KISELEV, NA**; MAZO, LA; GAPONOV, SV;
PAVELIEV, DG; STRIKOVSKY, MD.
MICROSTRUCTURE OF EDGE-TYPE JOSEPHSON-JUNCTIONS WITH PRBA₂CU₃O_{7-X}
BARRIER LAYER
PHYSICA C 198(3-4), 278-286 (1992)
- 91.** VASILIEV, AL; **KISELEV, NA**; LEBEDEV, OI; VASILIEV, AG; ORLIKOVSKIJ, AA.
HIGH-RESOLUTION ELECTRON-MICROSCOPY OF TITANIUM SILICIDES ON SI AND
SIO₂ INTERFACES
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 55(8), 1483-1486 (1991)
- 92.** KARASEV, VY; **KISELEV, NA**; ORLOVA, EV; GRIBELYUK, MA; GUTACOVSKY,
AK; KANTER, YO; MOSHEGOV, NT; PINTUS, SM; STENIN, SI; TOROPOV, AI;
FEDOROV, AA.
MORPHOLOGY AND STRUCTURE OF EPITAXIAL INAS LAYERS ON THE INAS-GAAS
SYSTEM
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 55(8), 1507-1515 (1991)
- 93.** VALIEV, KA; VASILIEV, AG; VASILIEV, AL; **KISELEV, NA**; ORLIKOVSKY, AA;
SEDELNIKOV, AE.
STRUCTURE AND PROPERTIES OF TISI₂ THIN-FILMS AND TISI₂-SI(111)
INTERFACES
SURFACE & COATINGS TECHNOLOGY 45(1-3), 281-291 (1991)
- 94.** KARASEV, VY; **KISELEV, NA**; ORLOVA, EV; GRIBELYUK, MA; GUTAKOVSKY,
AK; KANTER, YO; PINTUS, SM; RUBANOV, SV; STENIN, SI; FEDOROV, AA.
HREM OF EPITAXIAL LAYERS IN THE INAS/GAAS SYSTEM
ULTRAMICROSCOPY 35(1), 11-18 (1991)
- 95.** VALIEV, KA; VASILIEV, AG; ORLIKOVSKIJ, AA; VASILIEV, AL; GOLOVIN, AL;
IMAMOV, RM; **KISELEV, NA**.
STRUCTURE AND PROPERTIES OF TISI₂ FILMS ON SI, OBTAINED BY TI AND SI
COEVAPORATION IN HIGH-VACUUM
VACUUM 42(18), 1191-1201 (1991)
- 96.** VASILIEV, AL; **KISELEV, NA**; LEBEDEV, OI; ORLOVA, EV; VASILIEV, AG;
ORLIKOVSKY, AA.
HREM OF TISI₂/SI AND TISI₂/SIO₂ INTERFACES
INSTITUTE OF PHYSICS CONFERENCE SERIES (117), 297-302 (1991)
- 97.** VASILIEV, AL; **KISELEV, NA**; DOVIDENKO, AM; GAPONOV, SV; KALYAGIN, MA;
GOLOVASHKIN, AI; KRASNOSVOBODTSEV, SI; PETCHEN, EV.
ELECTRON-MICROSCOPY OF YBA₂CU₃O₇-DELTA FILMS
EPITAXIAL CRYSTAL GROWTH, PTS 1 AND 2 31-4, B129-B131 (1991)
- 98.** VALIEV, KA; VASILIEV, AG; ORLIKOVSKI, AA; VASILIEV, AL; **KISELEV, NA**;
ORLOVA, EV.
MBE OF TISI₂ ON (111) SI
EPITAXIAL CRYSTAL GROWTH, PTS 1 AND 2 31-4, B185-B186 (1991)
- 99.** **KISELEV, NA**; SHERMAN, MB; TSUPRUN, VL.
NEGATIVE STAINING OF PROTEINS
ELECTRON MICROSCOPY REVIEWS 3(1), 43-72 (1990)
- 100.** HOU, JG; ZIQIN, WU; VASILEV, AL; **KISELEV, NA**.
EFFECT OF GRAIN-BOUNDARY NETWORK ON PATTERN-FORMATION IN A-GE/AU
BILAYER FILMS
CHINESE PHYSICS LETTERS 7(8), 357-360 (1990)

- 101.** VALIEV, KA; VASILEV, AG; VASILEV, AL; **KISELEV, NA**; ORLIKOVSKII, AA.
EFFECT OF THE PARAMETERS OF ELECTRON-BEAM COEVAPORATION ON THE
ELECTRIC AND STRUCTURAL-PROPERTIES OF TISI₂ FILMS
SOVIET MICROELECTRONICS 18(3), 135-139 (1989)
- 102.** TSUPRUN, VL; ZOGRAPH, ON; ORLOVA, EV; **KISELEV, NA**.
3-DIMENSIONAL RECONSTRUCTION OF TUBULAR CRYSTALS OF THE
NITROGENASE MOFE-PROTEIN FROM AZOTOBACTER-VINELANDII
DOKLADY AKADEMII NAUK SSSR 309(4), 994-& (1989)
- 103.** DVORETSKII, SA; BUDARNYKH, VI; GUTAKOVSKII, AK; KARASEV, VI;
KISELEV, NA; SABININA, IV; SIDOROV, IG; STENIN, SI.
TWINNING IN CDTE(111) FILMS ON GAAS(100) SUBSTRATES
DOKLADY AKADEMII NAUK SSSR 304(3), 604-& (1989)
- 104.** KARASEV, VY; **KISELEV, NA**; ORLOVA, EV; GUTAKOVSKI, AK; PINTUS, SM;
RUBANOV, SV.
HREM OF INAS AND GAAS-BASED MULTILAYERED HETEROSYSTEMS
INSTITUTE OF PHYSICS CONFERENCE SERIES (100), 33-38 (1989)
- 105.** GUTAKOVSKII, AK; KANTER, IO; KARASEV, VI; **KISELEV, NA**; PINTUS, SM;
RUBANOV, SV; STENIN, SI; FEDOROV, AA.
FILM AND INTERFACE STRUCTURE OF GAAS-BASED AND INAS-BASED
MULTILAYERED SYSTEMS
DOKLADY AKADEMII NAUK SSSR 304(2), 355-357 (1989)
- 106.** KARASEV, VY; **KISELEV, NA**; ORLOVA, EV; GUTAKOVSKI, AK; PINTUS, SM;
RUBANOV, SV.
HREM OF INAS AND GAAS-BASED MULTILAYERED HETEROSYSTEMS
MICROSCOPY OF SEMICONDUCTING MATERIALS 1989 100, 33-38 (1989)
- 108.** VASILEV, AL; **KISELEV, NA**; VASILEV, AG; ORLIKOVSKII, AA.
ELECTRON-MICROSCOPIC INVESTIGATION OF THIN-FILMS OF TITANIUM
DISILICIDES
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 52(7), 1288-1291 (1988)
- 107.** VASILEV, AL; **KISELEV, NA**; DOKUCHAEVA, AA; DASHEVSKII, MY.
HIGH-RESOLUTION ELECTRON-MICROSCOPY OF DEFECTS IN ANNEALED SILICON
SINGLE-CRYSTALS ALLOYED BY GERMANIUM
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 52(7), 1284-1287 (1988)
- 108.** VASILIEV, AL; UVAROV, OV; GRIBELUK, MA; **KISELEV, NA**; RICKEL, MO;
ILYICHEV, EA; TSEBRO, VI.
HREM OF THIN-FILM PBMO₆S₈ SUPERCONDUCTING COMPOUND
ULTRAMICROSCOPY 25(1), 23-30 (1988)
- 109.** ORLOVA, EV; RASULOV, AS; TSUPRUN, VL; EVSTIGNEVA, ZG; KRETOVICH,
WL; **KISELEV, NA**.
STRUCTURE OF THE MOLECULAR-FORMS OF ONE-CELLED GREEN-ALGA
GLUTAMINE-SYNTETASE
DOKLADY AKADEMII NAUK SSSR 302(3), 742-& (1988)
- 110.** ORLOVA, EV; TSUPRUN, VL; EVSTIGNEVA, ZG; SOLOVIEVA, NA; DANG, HFH;
KISELEV, NA.
COMPUTER AVERAGING OF ELECTRON-MICROSCOPE IMAGES OF GLUTAMINE-
SYNTETASE FROM SPIRULINA-PLATENSIS
DOKLADY AKADEMII NAUK SSSR 302(1), 231-& (1988)
- 111.** DVORETSKY, SA; GUTAKOVSKY, AK; KARASEV, VY; **KISELEV, NA**; SABININA,
IV; SIDOROV, YG; STENIN, SI.
TWINNING IN CDTE (111) FILMS ON (100) GAAS SUBSTRATES

EUREM 88, VOLS 1-3: TUTORIALS, INSTRUMENTATION AND TECHNIQUES / PHYSICS AND MATERIALS / BIOLOGY 93, 407-408 (1988)

112. KISELEV, NA; VASILIEV, AL; UVAROV, OV; GAPONOV, SV; GUSEV, SA; KLUENKOV, EB; KOTCHEMASOV, AV; STREKOVSKY, MD.
HIGH-RESOLUTION ELECTRON-MICROSCOPY OF SUPERCONDUCTING FILMS YBA₂CU₃O₇-DELTA

EUREM 88, VOLS 1-3: TUTORIALS, INSTRUMENTATION AND TECHNIQUES / PHYSICS AND MATERIALS / BIOLOGY 93, 223-229 (1988)

113. GUTAKOVSKY, AK; KANTER, YO; KARASEV, VY; **KISELEV, NA**; PINTUS, SM; RUBANOV, SV; STENIN, SI; FEDOROV, AA.
HREM STUDIES OF HETEROEPITAXIAL INAS/GAAS STRUCTURE
EUREM 88, VOLS 1-3: TUTORIALS, INSTRUMENTATION AND TECHNIQUES / PHYSICS AND MATERIALS / BIOLOGY 93, 99-100 (1988)

114. UVAROV, OV; **KISELEV, NA**; BALYTCHENKO, AA; GUDKOV, AL.
TEM OF NBI/ALPHA-SI/NB-II JOSEPHSON JUNCTION STRUCTURES
EUREM 88, VOLS 1-3: TUTORIALS, INSTRUMENTATION AND TECHNIQUES / PHYSICS AND MATERIALS / BIOLOGY 93, 127-128 (1988)

115. TSUPRUN, VL; ZOGRAF, ON; ORLOVA, EV; **KISELEV, NA**; PUSHKIN, AV; SHIFFELOVA, GE; SOLOVIEVA, NA; EVSTIGNEVA, ZG; KRETOVICH, WL.
ELECTRON-MICROSCOPY OF MULTIPLE FORMS OF GLUTAMINE-SYNTETASE FROM BACTERIOIDS AND THE CYTOSOL OF YELLOW LUPIN ROOT-NODULES
BIOCHIMICA ET BIOPHYSICA ACTA 913(3), 368-376 (1987)

116. DASHEVSKII, MY; **KISELEV, NA**; VASIL'YEV, AL; KIBIZOV, RV; DOKUCHAEVA, AA; IVANCHENKO, VI.
AN ELECTRON-MICROSCOPY STUDY OF TWINS IN DENDRITS AND DENDRITIC WEBS OF SILICON
KRISTALLOGRAFIYA 32(3), 718-722 (1987)

117. TSUPRUN, VL; ORLOVA, EV; ZOGRAF, ON; **KISELEV, NA**; PUSHKIN, AV; SHIFFELOVA, GE; SOLOVIEVA, NA; EVSTIGNEVA, ZG; KRETOVICH, VL.
ELECTRON-MICROSCOPY OF MULTIPLE FORMS OF GLUTAMINE-SYNTETASE FROM BACTERIOIDS AND THE PLANT PORTION OF NITROGEN-FIXING LUPINE ROOT-NODULES
BIOCHEMISTRY-MOSCOW 52(3), 411-419 (1987)

118. Varlashkin, A.V.; Vasil'ev, A.L.; Golovashkin, A.I.; Ivanenko, O.M.; **Kiselev, N.A.**; Kuz'min, L.S.; Likharev, K.K.; Mitsen, K.V.; Romanchikova, G.V.; Soldatov, E.S..
Microscopic structure and contact properties of high-temperature superconducting ceramic Y-Ba-Cu-O samples
JETP Letters , (1987)

119. TSUPRUN, VL; AKENTIEVA, NP; TAGUNOVA, IV; ORLOVA, EV; GRIGORIAN, AN; GVOZDEV, RI; **KISELEV, NA**.
ELECTRON-MICROSCOPY OF METHANEMONOOXYGENASE FROM THE METHANE-OXIDIZING BACTERIA METHYLOCOCCUS-CAPSULATUS
DOKLADY AKADEMII NAUK SSSR 292(2), 490-& (1987)

120. TSUPRUN, VL; ZOGRAPH, ON; KAFTANOVA, AS; ORLOVA, EV; MENSHIKOVA, EV; RITOVS, VB; **KISELEV, NA**.
ELECTRON-MICROSCOPY OF THE CA-2+-ATPASE MEMBRANE CRYSTALS IN TERMINAL AND LONGITUDINAL CYSTERNAS OF SARCOPLASMIC-RETICULUM
DOKLADY AKADEMII NAUK SSSR 296(3), 760-& (1987)

121. TSUPRUN, VL; ORLOVA, EV; **KISELEV, NA**; MITSOVA, IZ; BLAZSHCHUK, IS; GVOZDEV, RI.

- ELECTRON-MICROSCOPY OF THE NITROGENASE MOLECULE FROM AZOTOBACTER-VINELANDII
JOURNAL OF INORGANIC BIOCHEMISTRY 27(2), 141-146 (1986)
- 122.** TSUPRUN, VL; UTKIN, IB; POPOV, VO; EGOROV, AM; BEREZIN, IV; **KISELEV, NA.**
ELECTRON-MICROSCOPY OF THE HYDROGENASE FROM THE HYDROGEN-OXIDIZING BACTERIUM ALCALIGENES-EUTROPHUS Z1
FEBS LETTERS 197(1-2), 225-228 (1986)
- 123.** VASILIEV, AL; **KISELEV, NA;** KISHNEVA, ME; REGEL, VR; STEPANTSOV, EA.
ELECTRON-MICROSCOPE STUDY OF THE STRUCTURE OF THE BOUNDARY AREA OF BICRYSTALS PRODUCED BY SOLID-PHASE COGROWTH
DOKLADY AKADEMII NAUK SSSR 286(5), 1132-& (1986)
- 124.** VASILIEV, AL; UVAROV, OV; GRIBELIUK, MA; **KISELEV, NA;** RIKEI, MO;
ILICHEV, EA; TSEBRO, VI.
HREM OF THIN-FILMS OF SUPERCONDUCTING COMPOUND PBMO₆S₈
DOKLADY AKADEMII NAUK SSSR 289(2), 355-358 (1986)
- 125.** Vasil'ev, A.L.; **Kiselev, N.A.;** Kishneva, M.E.; Regel', V.R.; Stepansov, E.A..
Electron-microscope study of the structure of the interface region of bicrystals obtained by solid-phase intergrowth
Soviet Physics - Doklady 31(2), (1986)
- 126.** NISSLER, K; HOFMANN, E; STELMASCHCHUK, V; ORLOVA, E; **KISELEV, N.**
AN ELECTRON-MICROSCOPY STUDY OF THE QUARTERNARY STRUCTURE OF YEAST PHOSPHOFRUCTOKINASE
BIOMEDICA BIOCHIMICA ACTA 44(2), 251-259 (1985)
- 127.** PUSHKIN, AV; ANTONIUK, LP; SOLOVIEVA, NA; SHUBIN, VV; EVSTIGNEEVA, ZG; KRETOVICH, WL; CHEREDNIKOVA, TV; TSUPRUN, VL; ZOGRAF, ON; **KISELEV, NA.**
GLUTAMINE SYNTHETASES OF PEA LEAF AND SEED CYTOSOL - STRUCTURE AND PROPERTIES
BIOCHIMICA ET BIOPHYSICA ACTA 828(3), 336-350 (1985)
- 128.** TSUPRUN, VL; ORLOVA, EV; **KISELEV, NA;** MITSOVA, IZ; BLAZHCHUK, IS; GVOZDEV, RI.
ELECTRON-MICROSCOPY OF NITROGENASE FROM AZOTOBACTER-VINELANDII
DOKLADY AKADEMII NAUK SSSR 285(5), 1230-& (1985)
- 129.** TSUPRUN, VL; MITSOVA, IZ; BLAZHCHUK, IS; GVOZDEV, RI; ORLOVA, EV; **KISELEV, NA.**
ELECTRON-MICROSCOPY OF THE MO-FE-PROTEIN FROM AZOTOBACTER-VINELANDII NITROGENASE
EUROPEAN JOURNAL OF BIOCHEMISTRY 149(2), 389-392 (1985)
- 130.** **KISELEV, NA;** STELMASHCHUK, VY; ORLOVA, EV; VASILIEV, VD; SELIVANOVA, OM.
FINE-STRUCTURE OF THE 30-S RIBOSOMAL-SUBUNIT
FEBS LETTERS 186(1), 21-25 (1985)
- 131.** TSUPRUN, VL; UTKIN, IB; POPOV, VO; EGOROV, AM; BEREZIN, IV; **KISELEV, NA.**
ELECTRON-MICROSCOPY OF HYDROGENASE FROM THE HYDROGEN-OXIDIZING BACTERIA ALCALIGENES-EUTROPHUS Z1
DOKLADY AKADEMII NAUK SSSR 283(1), 219-& (1985)
- 132.** TSUPRUN, VL; MITSOVA, IZ; ORLOVA, EV; BLAZHCHUK, IS; GVOZDEV, RI; **KISELEV, NA.**

ELECTRON-MICROSCOPY OF MO-FE PROTEIN OF NITROGENASE FROM
AZOTOBACTER-VINELANDII
DOKLADY AKADEMII NAUK SSSR 277(3), 731-& (1984)

133. KISELEV, NA.

BIOLOGICAL ELECTRON-MICROSCOPY AT THE MOLECULAR-LEVEL
VESTNIK AKADEMII NAUK SSSR (7), 102-115 (1984)

**134. KOSYKH, VP; PUSTOVSKIKH, AI; KIRICHUK, VS; KUHNE, T; ORLOVA, EV;
TSUPRUN, VL; KISELEV, NA.**

AN APPLICATION OF COMPUTER ACCUMULATION METHODS FOR THE
RECONSTRUCTION OF IMAGES OF SINGLE-CRYSTAL LAYERS OF VIRUS-
PARTICLES

KRISTALLOGRAFIYA 28(6), 1082-1089 (1983)

**135. KISELEV, NA; STELMASHCHUK, VY; ORLOVA, EV; PLATZER, M; NOLL, F;
BIELKA, H.**

ON THE FINE-STRUCTURE OF RAT-LIVER RIBOSOME SMALL SUBUNITS
MOLECULAR BIOLOGY REPORTS 8(4), 185-189 (1982)

**136. KISELEV, NA; STELMASHCHUK, VY; ORLOVA, EV; VASILIEV, VD;
SELIVANOVA, OM.**

STRAND-LIKE STRUCTURES AND THEIR 3-DIMENSIONAL ORGANIZATION IN THE
LARGE SUBUNIT OF THE ESCHERICHIA-COLI RIBOSOME
MOLECULAR BIOLOGY REPORTS 8(4), 191-197 (1982)

**137. KISELEV, NA; ORLOVA, EV; STELMASHCHUK, VJ; VASILIEV, VD;
SELIVANOVA, OM; KOSYKH, VP; PUSTOVSKIKH, AI; KIRICHUK, VS.
COMPUTER AVERAGING OF ELECTRON-MICROGRAPHS OF 50S RIBOSOMAL-
SUBUNITS**

DOKLADY AKADEMII NAUK SSSR 267(6), 1488-& (1982)

138. KISELEV, NA; STELMASHCHUK, VJ.

QUATERNARY STRUCTURE OF DNA-DEPENDENT RNA-POLYMERASE FROM
ESCHERICHIA-COLI

DOKLADY AKADEMII NAUK SSSR 256(5), 1246-& (1981)

**139. SHERMAN, MB; ORLOVA, EV; TERZYAN, SS; KLEINE, R; KISELEV, NA.
ON THE NEGATIVE STAINING OF THE PROTEIN CRYSTAL-STRUCTURE
ULTRAMICROSCOPY 7(2), 131-138 (1981)**

**140. PROZOROVSKII, VN; ALEXEEVA, AE; GREBENSHCHIKOVA, OG;
RASHKOVETSKII, LG; GONCHAR, NA; SAMSONIDZE, TG; SHERMAN, MB; KISELEV,
NA.**

DOMAIN-STRUCTURE OF HISTIDINEDECARBOXILASE OF MICROCOCCUS SP-N
DOKLADY AKADEMII NAUK SSSR 251(1), 243-& (1980)

141. KISELEV, NA; STELMASHCHUK, VJ; NISSLER, K.

QUATERNARY STRUCTURE OF PHOSPHOFRUCTOKINASE ACCORDING TO THE
DATA OF ELECTRON-MICROSCOPY

DOKLADY AKADEMII NAUK SSSR 247(1), 237 (1979)

142. SAMSONIDZE, TG; MOSHKOV, KA; KISELEV, NA; NEIFAKH, SA.

ELECTRON-MICROSCOPE STUDY ON HUMAN CERULOPLASMIN

INTERNATIONAL JOURNAL OF PEPTIDE AND PROTEIN RESEARCH 14(2), 161 (1979)

**143. MOSHKOV, KA; KARIMOVA, KM; NEIFAKH, SA; LAKATOS, S; HAIDU, J;
ZAVODSZKY, P; SAMSONIDZE, TG; KISELEV, NA.**

MOLECULAR-ORGANIZATION OF HUMAN CERULOPLASMIN AS REVEALED BY
LIMITED PROTEOLYSIS AND ELECTRON-MICROSCOPY

BIOORGANICHESKAYA KHIMIYA 5(3), 395 (1979)

- 144.** KISELEV, NA; ORLOVA, EV; STELMASHCHUK, VJ.
INVESTIGATION OF THE THIN STRUCTURE OF SMALL RIBOSOME SUBPARTICLES
USING THE OPTICAL FILTRATIONS OF THE ELECTRON-MICROSCOPE IMAGES
DOKLADY AKADEMII NAUK SSSR 246(6), 1508 (1979)
- 145.** TSUPRUN, VL; **KISELEV, NA**; VAINSHTEIN, BK.
3-DIMENSIONAL RECONSTRUCTION OF LEUCINE AMINOPEPTIDASE MOLECULE
KRISTALLOGRAFIYA 23(4), 743 (1978)
- 146.** KISELEV, NA; STELMASHCHUK, VY; LUTSCH, H; NOLL, F.
STRUCTURE OF SMALL SUBPARTICLES OF LIVER RIBOSOMES
JOURNAL OF MOLECULAR BIOLOGY 126(1), 109 (1978)
- 147.** SAMSONIDZE, TG; **KISELEV, NA**; SEITOVA, TA; RUSINOVA, NG; DOMAN, NG.
ELECTRON-MICROSCOPY OF RIBULOSODIPHOSPHATECARBOXYLASE
DOKLADY AKADEMII NAUK SSSR 240(4), 982 (1978)
- 148.** KISELEV, NA; STELMASHCHUK, VY; TSUPRUN, VL; LUDEWIG, M; HANSON, H.
ELECTRON-MICROSCOPY OF LEUCINE AMINOPEPTIDASE
JOURNAL OF MOLECULAR BIOLOGY 115(1), 33 (1977)
- 149.** RASULOV, AS; EVSTIGNEEVA, ZG; KRETOVICH, VL; STELMASHCHUK, VY;
SAMSONIDZE, TG; **KISELEV, NA**.
PURIFICATION, PROPERTIES, AND QUATERNARY STRUCTURE OF GLUTAMINE-
SYNTHETASE FROM CHLORELLA
BIOCHEMISTRY-MOSCOW 42(2), 267 (1977)
- 150.** RASULOV A S; EVSTIGNEEVA Z G; KRETOVICH V L; STEL'MASHCHUK V YA;
SAMSONIDZE T G; **KISELEV N A**.
PURIFICATION PROPERTIES AND QUATERNARY STRUCTURE OF GLUTAMINE
SYNTHETASE FROM CHLORELLA-PYRENOIDOSA
Biokhimiya 42(2), 350 (1977)
- 151.** LUDEWIG, M; HANSON, H; **KISELEV, NA**; STELMASHCHUK, VY; TSUPRUN, VL.
QUATERNARY STRUCTURE OF LEUCINE AMINOPEPTIDASE
ACTA BIOLOGICA ET MEDICA GERMANICA 36(2), 157 (1977)
- 152.** KISELEV, NA; STELMASHCHUK, VY; SURGUCHEVA, IG; SURGUCHEV, AP.
ELECTRON-MICROSCOPY OF GLYCYL-TRANSFER-RNA-SYNTHETASE FROM
BACILLUS BREVIS
DOKLADY AKADEMII NAUK SSSR 229(1), 217 (1976)
- 153.** KAFTANOVA, AS; **KISELEV, NA**; NOVIKOV, VK; ATABEKOV, JG.
STRUCTURE OF PRODUCTS OF PROTEIN REASSEMBLY AND RECONSTRUCTION OF
POTATO VIRUS-X
VIROLOGY 67(1), 283 (1975)
- 154.** HUBNER, G; SCHELLENBERGER, A; STELMASHCHUK, VY; **KISELEV, NA**.
ELECTRON-MICROSCOPIC INVESTIGATION OF SUBUNIT STRUCTURE OF YEAST
PYRUVATE DECARBOXYLASE
ACTA BIOLOGICA ET MEDICA GERMANICA 34(4), 699 (1975)
- 155.** KISELEV, NA; STELMASH.VY; LERMAN, MI; ABAKUMOV.OY.
STRUCTURE OF LIVER RIBOSOMES
JOURNAL OF MOLECULAR BIOLOGY 86(3), 577 (1974)
- 156.** KISELEV, NA; LERNER, FY; LIVANOVA, NB.
ELECTRON-MICROSCOPY OF MUSCLE PHOSPHORYLASE ALPHA
JOURNAL OF MOLECULAR BIOLOGY 86(3), 587 (1974)
- 157.** KISELEV, NA; STELMASHCHUK, VY; TSUPRUN, VL; LERMAN, MI;
ABAKUMOVA, OY.

STRUCTURE OF LIVER RIBOSOMES

ACTA BIOLOGICA ET MEDICA GERMANICA 33(5-6), 795 (1974)

158. VAINSHTE.BK; **KISELEV, NA;** KAFTANOV.AS; ORLOVA, EV; BOGDANOV, VP; MOROZKIN, AD; DEGTYAR, RG.

INVESTIGATION OF TUBULAR CRYSTALS OF GLUCOSE-OXIDASE OF PENICILLIUM VITALE AND ITS QUATERNARY STRUCTURE

DOKLADY AKADEMII NAUK SSSR 213(1), 217 (1973)

159. KISELEV, NA; STELMASH.VY; LERMAN, MI; ABAKUMOV.OY.

STRUCTURE OF LIVER RIBOSOMES

MOLEKULYARNAYA BIOLOGIYA 7(4), 609 (1973)

160. KISELEV, NA; LERNER, FY; LIVANOVA, NB.

ELECTRON MICROSCOPY OF MUSCLE PHOSPHORYLASE B

JOURNAL OF MOLECULAR BIOLOGY 62(3), 537 (1971)

161. KAMZOLOVA S G; MANYAKOV V F; **KISELEV N A;** SHEMYAKIN M F; ASTAUROVA O B; KHESIN R B.

FORMATION OF ENZ RNA POLYMERASE COMPLEXES WITH DNA ESCHERICHIA-COLI BACTERIO PHAGE T-2

Molekulyarnaya Biologiya (Moscow) 3(1), 74 (1969)

162. KISELEV, NA; KLUG, A.

STRUCTURE OF VIRUSES OF PAPILLOMA-POLYOMA TYPE .V. TUBULAR VARIANTS BUILT OF PENTAMERS

JOURNAL OF MOLECULAR BIOLOGY 40(2), 155 (1969)

163. KISELEV, NA; DEROISIER, DJ; ATABEKOV, JG.

A DOUBLE-HELICAL STRUCTURE FOUND ON RE-AGGREGATION OF PROTEIN OF BARLEY STRIPE MOSAIC VIRUS

JOURNAL OF MOLECULAR BIOLOGY 39(3), 673 (1969)

164. ATABEKOV, JG; NOVIKOV, VK; **KISELEV, NA;** KAFTANOV.AS; EGOROV, AM. STABLE INTERMEDIATE AGGREGATES FORMED BY POLYMERIZATION OF BARLEY STRIPE MOSAIC VIRUS PROTEIN

VIROLOGY 36(4), 620 (1968)

165. ATABEKOV, JG; POPOVA, GA; **KISELEV, NA;** KAFTANOVA, AS; PETROVSKY, GV.

IN VITRO POLYMERIZATION OF WINTER WHEAT MOSAIC VIRUS ANTIGEN

VIROLOGY 35(3), 458 (1968)

166. KISELEV, NA; DEROISIER, DJ; KLUG, A.

STRUCTURE OF TUBES OF CATALASE - ANALYSIS OF ELECTRON MICROGRAPHS BY OPTICAL FILTERING

JOURNAL OF MOLECULAR BIOLOGY 35(3), 561 (1968)

167. BRUSKOV, VI; **KISELEV, NA.**

ELECTRON MICROSCOPE STUDY OF STRUCTURE OF ESCHERICHIA COLI RIBOSOMES AND CM-LIKE PARTICLES

JOURNAL OF MOLECULAR BIOLOGY 37(3), 367 (1968)

168. KISELEV, NA; SHPITZBERG, CL; VAINSHTEIN, BK.

CRYSTALLIZATION OF CATALASE IN FORM OF TUBES WITH MONOMOLECULAR WALLS

JOURNAL OF MOLECULAR BIOLOGY 25(3), 433 (1967)

169. BRESLER, SE; **KISELEV, NA;** MANJAKOV, VF; MOSEVITS.MI; TIMKOVS.K.AL.

ISOLATION AND PHYSICOCHEMICAL INVESTIGATION OF T1 BACTERIOPHAGE DNA

VIROLOGY 33(1), 1 (1967)

170. KISELEV, N. A.; ATABEKOV, I. G.; KAFTANOVA, A. S.; NOVIKOV, V. K..
Issledovanie repolimerizatsii virusnogo belka i resinteza neko-torykh palochkoobraznykh virusov [Engl. sum.]

BIOKHIMIYA 31((4)), 670 (1966)

171. VAINSHTE.BK; KISELEV, NA; SHPITSBE.VL.

CRYSTALLIZATION OF CATALASE INTO TUBES WITH MONOMOLECULAR WALLS
DOKLADY AKADEMII NAUK SSSR 167(1), 212 (1966)

172. KISELEV, NA; POGLAZOV, BF.

MOLECULAR ORGANIZATION OF CAUDAL SHEATH OF PHAGE T2
DOKLADY AKADEMII NAUK SSSR 155(2), 442 (1964)

173. KISELEV, N. A.; TIKHONENKO, T. I.; KAFTANOVA, A. S.; KISELEV, F. L..

Issledovanie faga sd i ego nukleinovoi kisloty metodom elektronnoi mikroskopii [English summ.]

BIOKHIMIYA 28((6)), 1065 (1963)

174. SPIRIN, AS; BOGDANOV, AA; SHAKULOV, RS; KISSELEV, NA.

ON STRUCTURE OF RIBOSOMES - REVERSIBLE UNFOLDING OF RIBOSOMAL PARTICLES INTO RIBONUCLEOPROTEIN STRANDS AND POSSIBLE MODEL OF PACKING

BIOCHEMISTRY-MOSCOW 28(5), 920 (1963)

175. NIKOLAEVA, NV; EMANUEL, NM; KISELEV, NA; VAINSTEIN, BK;
KRUGLIAKOVA, KE.

ATTENUATION OF RAY INJURY OF DNA MOLECULE IN PRECENCE OF PROPYL GALLATE

DOKLADY AKADEMII NAUK SSSR 142(3), 713 (1962)

176. NIKOLAEVA, N. V.; KRUGLYAKOVA, K. E.; KISELEV, N. A.; VAINSHTEIN, B. K.;
EMANUEL, N. M..

Lessening of the degree of injury caused by radiation to DNA molecules in the presence of propyl gallate

DOKLADY AKAD NAUK SSSR BIOL SCI SECT [TRANSL] 142((1/6)), 25 (1962)

177. BOGDANOVA, E. S.; GAVRILOVA, L. P.; DVORKIN, G. A.; KISELEV, N. A.;
SPIRIN, A. S..

Izuchenie makromolekulyarnoi struktury vysokopolimernoj (ribosomal'noj) ribonukleinovoi kisloty is Escherichia coli [English summ.]

BIOKHIMIYA 27((3)), 387 (1962)