Сергей Николаевич Сульянов

13 июня 1960 года – 6 февраля 2019 года

После тяжелой болезни на 59 году жизни скончался сотрудник лаборатории рентгеновских методов анализа и синхротронного излучения института кристаллографии имени А. В. Шубникова **Сергей Николаевич Сульянов**.

Сергей Николаевич Сульянов защитил диссертацию кандидата физико-математических наук в 1997 году по теме: «Рентгенография порошков и жидких кристаллов в дифрактометре с двумерным детектором», специализация - кристаллография, физика кристаллов.

Сергей Николаевич работал в Институте кристаллографии имени А. В. Шубникова с 6 февраля 1990 г. Он – автор более чем 120 печатных трудов, ведущий специалист в области порошковой рентгеновской дифрактометрии. В сферу его научных интересов входили метод Ритвельда, дифракция рентгеновских лучей, рентгеновская оптика, диффузное рассеяние, разупорядочение, эпитаксия, нейтронное рассеяние, фазовые переходы, дефекты, порошковая дифракция, остаточное напряжение, соотношение структура-свойства, синхротронное излучение, рентгеноструктурный анализ, кристаллография макромолекул, физическая кристаллография. Объектами исследования были неорганические и органические соединения, жидкие кристаллы, полимеры, тонкие пленки, кластеры, малые молекулы, керамику и наноматериалы.

Сергей Николаевич обладал большим количеством научных связей в стране и за рубежом, его работы многократно цитировались. Он охотно делился своими знаниями на лекциях, семинарах, конференциях как внутри Института, так и вне его. С ним было интересно общаться по широкому кругу самых разных вопросов.

Список основных научных публикаций С.Н. Сульянова:

1. MANUKYAN, A; ELSUKOVA, A; MIRZAKHANYAN, A; GYULASARYAN, H; KOCHARIAN, A; SULYANOV, S; SPASOVA, M; ROMER, F; FARLE, M; SHAROYAN, E.
   STRUCTURE AND SIZE DEPENDENCE OF THE MAGNETIC PROPERTIES OF NI@C NANOCOMPOSITES
   JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 467, 150-159 (2018)

2. TRUSHINA, DB; BORODINA, TN; SULYANOV, SN; MOISEEVA, JV; GULYAEVA, NV; BUKREEVA, TV.
   COMPARISON OF THE STRUCTURAL FEATURES OF MICRON AND SUBMICRON VATERITE PARTICLES AND THEIR EFFICIENCY FOR INTRANASAL DELIVERY OF ANESTHETIC TO THE BRAIN
   CRYSTALLOGRAPHY REPORTS 63(6), 998-1004 (2018)

3. MANUKYAN, AS; AVAKYAN, LA; ELSUKOVA, AE; ZUBAVICHUS, YV; SULYANOV, SN; MIRZAKHANYAN, AA; KOLPACHEVA, NA; SPASOVA, M; KOCHARIAN, AN; FARLE, M; BUGAEV, LA; SHAROYAN, EG.
   FORMATION OF NICKEL NANOPARTICLES AND MAGNETIC MATRIX IN NICKEL PHTHALOCYANINE BY DOPING WITH POTASSIUM
   MATERIALS CHEMISTRY AND PHYSICS 214, 564-571 (2018)

4. SULYANOV, S; VOLK, T.
   LATTICE PARAMETERS OF OPTICAL DAMAGE RESISTANT IN-DOPED LINBO3 CRYSTALS
   CRYSTALS 8(5), - (2018)

5. BELIKOV, RS; SENCHENKO, VN; SULYANOV, SN.
   EXPERIMENTAL INVESTIGATION OF THERMOPHYSICAL PROPERTIES OF EUTECTIC RE-C AT HIGH TEMPERATURES
   XXXII INTERNATIONAL CONFERENCE ON INTERACTION OF INTENSE ENERGY FLUXES WITH MATTER (ELBRUS 2017) 946, - (2018)

6. MUSLIMOV, AE; BUTASHIN, AV; VALEEV, RG; SULYANOV, SN; BELTIUKOV, AN; KOLYMAGIN, AB; BABAEV, VA; KANEVSKY, VM.
EVOLUTION OF THE VANADIUM PENTOXIDE V2O5 CRYSTAL SURFACE AFTER VACUUM ANNEALING
CRYSTALLOGRAPHY REPORTS 62(5), 758-762 (2017)

7. FROLOV, KV; ZAGORSKII, DL; LYUBUTIN, IS; CHUEV, MA; PERUNOV, IV; BEDIN, SA; LOMOV, AA; ARTEMOV, VV; SULYANOV, SN.
MAGNETIC AND STRUCTURAL PROPERTIES OF FE-CO NANOWIRES FABRICATED BY MATRIX SYNTHESIS IN THE PORES OF TRACK MEMBRANES
JETP LETTERS 105(5), 319-326 (2017)

8. ZAGORSKIY, DL; BEDIN, SA; FROLOV, KV; KOROTKOV, VV; ARTEMOV, VV; SULYANOV, SN; KRUGLIKOV, SS; CHUEV, MA; MISHENKO, IN.
NANOWIRES OF IRON GROUP METALS: FABRICATION BY MATRIX SYNTHESIS TECHNIQUE AND INVESTIGATION OF STRUCTURE AND MAGNETIC PROPERTIES
XII INTERNATIONAL CONFERENCE RADIATION-THERMAL EFFECTS AND PROCESSES IN INORGANIC MATERIALS 168, - (2017)

9. TURSINA, AI; NESTERENKO, SN; CHERNYSHEV, VV; SULYANOV, SN; DOROVATOVSKII, PV; BRITZ, D; STRYDOM, AM.
SYNTHESIS, STRUCTURE AND PHYSICAL CHARACTERIZATION OF THE STRUCTURAL TRANSITIONS IN CEPD3SN AND LAPD3SN POLYMORPHS
JOURNAL OF ALLOYS AND COMPOUNDS 688, 1162-1171 (2016)

10. NIKIFOROVA, YA; GAVRILIUK, AG; LYUBUTIN, IS; IVANOVA, AG; TROYAN, IA; STARCHIKOV, SS; AKSENOV, SN; STRUZHKIN, VV; SUL'YANOV, SN; GLAZYRIN, KV.
STRUCTURAL TRANSITIONS IN IRON-BASED BA3NBFE3SI2O14 LANGASITE AT HIGH PRESSURES
EPL 116(6), - (2016)

11. MUSLIMOV, AE; ASADCHIKOV, VE; BUTASHIN, AV; VLASOV, VP; DERYABIN, AN; ROSHCHIN, BS; SULYANOV, SN; KANEVSKY, VM.
SUPERSMOOTH AND MODIFIED SURFACE OF SAPPHIRE CRYSTALS: FORMATION, CHARACTERIZATION, AND APPLICATIONS IN NANOTECHNOLOGIES
CRYSTALLOGRAPHY REPORTS 61(5), 730-743 (2016)

12. KAZAK, AV; USOL'TSEVA, NV; SMIRNOVA, AI; BODNARCHUK, VV; SUL'YANOV, SN; YABLONSKII, SV.
STRUCTURE AND PHYSICOCHEMICAL PROPERTIES OF THIN FILM PHOTOSEMICONDUCTOR CELLS BASED ON PORPHINE DERIVATIVES
CRYSTALLOGRAPHY REPORTS 61(3), 493-498 (2016)

13. TRUSHINA, DB; SULYANOV, SN; BUKREEVA, TV; KOVALCHUK, MV.
SIZE CONTROL AND STRUCTURE FEATURES OF SPHERICAL CALCIUM CARBONATE PARTICLES
CRYSTALLOGRAPHY REPORTS 60(4), 570-577 (2015)

14. MOLODENSKII, D; SUL'YANOV, S.
POLARCALC: A PROGRAM FOR CALCULATING THE LINEAR-POLARIZATION FACTOR USING AN AREA DETECTOR
CRYSTALLOGRAPHY REPORTS 60(3), 446-448 (2015)

15. POZHIDAEV, EP; TORGOVA, SI; BARBASHOV, VA; MINCHENKO, MV; SULYANOV, SN; DOROVATOVSKII, PV; OSTROVSKII, BI; STRIGAZZI, A.
FERROELECTRIC C* PHASE INDUCED IN A NEMATIC LIQUID CRYSTAL MATRIX BY A CHIRAL NON-MESOGENIC DOPANT
APPLIED PHYSICS LETTERS 106(6), - (2015)

16. LYUBUTIN, IS; GAVRILYUK, AG; DAVYDOVA, YA; IVANOVA, AG; TROYAN, IA; SUL'YANOV, SN; STARCHIKOV, SS; AKSENOV, SN; GLAZYRIN, KV.
EQUATION OF STATE AND STRUCTURAL PHASE TRANSITIONS IN IRON-BASED BA3TAFE3SI2O14 LANGASITE AT HIGH HYDROSTATIC PRESSURES
JETP LETTERS 100(12), 798-806 (2015)

17. RYABENKO, AG; KIRYUKHIN, DP; KICHIGINA, GA; ZHIGALINA, OM; SUL'YANOV, SN; NIKOLAEV, EN; LARICHEV, MN; BUKALOV, SS; KRASNOVSKII, AN.
REACTIONS ON SINGLE-WALLED NANOTUBES: 2. REACTIONS ON THE NANOSIZED SURFACE OF NANOTUBES IN LIQUID HYDROCYANIC ACID
HIGH ENERGY CHEMISTRY 49(1), 53-57 (2015)

18. SULYANOVA, EA; KARIMOV, DN; SULYANOV, SN; ZHMUROVA, ZI; GOLUBEV, AM; SOBOLEV, BP.
NANOSTRUCTURED CRYSTALS OF FLUORITE PHASES SR1-X R (X) F2+X (R ARE RARE EARTH ELEMENTS) AND THEIR ORDERING: 10. ORDERING UNDER SPONTANEOUS CRYSTALLIZATION AND ANNEALING OF SR1-X R (X) F2+X ALLOYS (R = TB-LU, Y) WITH 23.8-36.1 MOL % RF3
CRYSTALLOGRAPHY REPORTS 60(1), 155-166 (2015)

19. ZAGORSKIY, DL; KOROTKOV, VV; FROLOV, KV; SULYANOV, SN; KUDRYAVTSEV, VN; KRUGLIKOV, SS; BEDIN, SA.
TRACK PORE MATRIXES FOR THE PREPARATION OF CO, NI AND FE NANOWIRES: ELECTRODEPOSITION AND THEIR PROPERTIES
26TH INTERNATIONAL CONFERENCE ON NUCLEAR TRACKS IN SOLIDS (ICNTS26) 80, 144-147 (2015)

20. LYUBUTIN, IS; STARCHIKOV, SS; BUKREEVA, TV; LYSENKO, IA; SULYANOV, SN; KOROTKOV, NY; RUMYANTSEVA, SS; MARCHENKO, IV; FUNTOV, KO; VASILIEV, AL.
IN SITU SYNTHESIS AND CHARACTERIZATION OF MAGNETIC NANOPARTICLES IN SHELLS OF BIODEGRADABLE POLYELECTROLYTE MICROCAPSULES
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS 45, 225-233 (2014)

21. SULYANOV, S; DOROVATOVSKII, P; BOYSEN, H.
A SIMPLE APPROACH TO DETERMINE THE POLARIZATION COEFFICIENT AT SYNCHROTRON RADIATION STATIONS
JOURNAL OF APPLIED CRYSTALLOGRAPHY 47, 1449-1451 (2014)

22. FROLOV, KV; ZAGORSKII, DL; LYUBUTIN, IS; KOROTKOV, VV; BEDIN, SA; SULYANOV, SN; ARTEMOV, VV; MCHEDLISHVILI, BV.
SYNTHESIS, PHASE COMPOSITION, AND MAGNETIC PROPERTIES OF IRON NANOWIRES PREPARED IN THE PORES OF POLYMER TRACK-ETCHED MEMBRANES
JETP LETTERS 99(10), 570-576 (2014)

23. SOROKIN, NI; KARIMOV, DN; SUL'YANOV, SN; KRIVANDINA, EA; ZHMUROVA, ZI; SOBOLEV, BP.
ANION CONDUCTIVITY OF A CE0.95GD0.05O0.075F2.85 SOLID ELECTROLYTE
INORGANIC MATERIALS 50(5), 513-518 (2014)

24. SULYANOVA, EA; KARIMOV, D; SULYANOV, SN; SOBOLEV, BP.
NANOSTRUCTURED CRYSTALS OF FLUORITE PHASES AND THEIR ORDERING: 9. THE DEFECT CRYSTAL AND REAL STRUCTURE OF QUENCHED FLUORITE PHASES SR1-X CEXF2+X (X=0-0.5)
CRYSTALLOGRAPHY REPORTS 59(1), 14-21 (2014)

25. ZHIGALINA, V. G.; LIZUNOVA, A. A.; SULYANOV, S. N.; IVANOV, V. V.; KISELEV, N. A..
DIMENSIONAL AND PHASE CHARACTERISTICS OF ALUMINUM OXIDE AND TITANIUM DIOXIDE NANOPARTICLES
NANOTECHNOLOGIES IN RUSSIA 9(9-10), 492 (2014)

26. ZHIGALINA, V. G.; LIZUNOVA, A. A.; SUL'YANOV, S. N.; ET AL..
STUDY OF THE SIZE AND PHASE CHARACTERISTICS OF ALUMINUM OXIDE AND TITANIUM DIOXIDE NANOPARTICLES
ROSS. NANOTEKHNOL. 9(9-10), 41 (2014)

27. AVILOV, AS; BATURIN, AS; VOLKOV, VV; D'YAKOVA, YA; ERMAKOVA, MA; KUZIN, AY; MARCHENKOVA, MA; MITYUKHLYAEV, VB; SEREGIN, AY; SUL'YANOV, SN; TERESHCHENKO, EY; TODUA, PA.
DEVELOPMENT OF CERTIFIED REFERENCE MATERIALS AND METHODS OF CALIBRATION OF SMALL-ANGLE X-RAY DIFFRACTOMETERS FOR CERTIFICATION AND STANDARDIZATION OF ARTICLES PRODUCED BY NANOINDUSTRY
MEASUREMENT TECHNIQUES 56(9), 992-998 (2013)

28. OSTROVSKII, BI; SULYANOV, SN; BOIKO, NA; SHIBAEV, VP; ASTAF'EV, SB; YANUSOVA, LG; DE JEU, WH.
ORDER AND FRUSTRATION IN LIQUID-CRYSTALLINE DENDRIMERS
EUROPEAN PHYSICAL JOURNAL E 36(11), - (2013)

29. ZAPOROZHETS, MA; VOLKOV, VV; SUL'YANOV, SN; RUSTAMOVA, EG; GUBIN, SP; MITYUKHLYAEV, VB; KUZIN, AY; TODUA, PA; AVILOV, AS.
STANDARD SPECIMENS OF AU AND ZNO NANOPARTICLES FOR LOW-ANGLE X-RAY DIFFRACTOMETER CALIBRATION
MEASUREMENT TECHNIQUES 56(4), 391-396 (2013)

30. AVILOV, A. S.; VOLKOV, V. V.; GUBIN, S. P.; DYAKOVA, YU. A.; ERMAKOVA, M. A.; ZAPOROZHETS, M. A.; KUZIN, YU. A.; MARCHENKOVA, M. A.; MITYUKHLYAEV, V. A.; RUSTAMOVA, E. G.; SULYANOV, S. N.; TODUA, P. A.; CHEKRYGINA, D. I..
METROLOGICAL ASSURANCE OF MEASUREMENTS OF THE DIMENSIONAL PARAMETERS OF NANOPARTICLES AND THIN FILMS BY SMALL-ANGLE X-RAY DIFFRACTOMETRY METHODS
NANOTECHNOLOGIES IN RUSSIA 8(5-6), 309 (2013)

31. LYUBUTIN, IS; ANOSOVA, OA; FROLOV, KV; SULYANOV, SN; OKOTRUB, AV; KUDASHOV, AG; BULUSHEVA, LG.
IRON NANOPARTICLES IN ALIGNED ARRAYS OF PURE AND NITROGEN-DOPED CARBON NANOTUBES
CARBON 50(7), 2628-2634 (2012)

32. ZAPOROZHETS, MA; SAVILOV, SV; ZHIGALINA, OM; SUL'YANOV, SN; VOLKOV, VV; NIKOLAICHIK, VI; GUBIN, SP; AVILOV, AS.
ORDERED STRUCTURES BASED ON SELF-ORGANIZED AU AND CDSE NANOPARTICLES
CRYSTALLOGRAPHY REPORTS 57(3), 426-433 (2012)

33. ESTRIN, YI; BADAMSHINA, ER; GRISHCHUK, AA; KULAGINA, GS; LESNICHAYA, VA; OL'KHOV, YA; RYABENKO, AG; SUL'YANOV, SN.
PROPERTIES OF NANOCOMPOSITES BASED ON CROSSLINKED ELASTOMERIC POLYURETHANE AND ULTRASMALL ADDITIVES OF SINGLE-WALL CARBON NANOTUBES
POLYMER SCIENCE SERIES A 54(4), 290-298 (2012)

34. SULYANOV, S; GOGIN, A; BOYSEN, H.
SPATIAL DISTRIBUTION OF THE ABSORPTION FACTOR FOR AN INFINITE CYLINDRICAL SAMPLE USED WITH A TWO-DIMENSIONAL AREA DETECTOR
JOURNAL OF APPLIED CRYSTALLOGRAPHY 45, 93-97 (2012)

35. GRYAZNOV, MY; SHOTIN, SV; CHUVIL'DEEV, VN; MARYCHEV, MO; SUL'YANOVA, EA; SUL'YANOV, SN; SOBOLEV, BP.
NANOSTRUCTURED CRYSTALS OF SR1-XRXF2+X FLUORITE PHASES AND THEIR ORDERING: 6. MICROINDENTATION ANALYSIS OF CRYSTALS
CRYSTALLOGRAPHY REPORTS 57(1), 144-150 (2012)

36. BUKREEVA, TV; ORLOVA, OA; SULYANOV, SN; GRIGORIEV, YV; DOROVATOVSKIY, PV.
A NEW APPROACH TO MODIFICATION OF POLYELECTROLYTE CAPSULE SHELLS BY MAGNETITE NANOPARTICLES
CRYSTALLOGRAPHY REPORTS 56(5), 880-883 (2011)

37. SHENDEROVA, OA; VLASOV, II; TURNER, S; VAN TENDELOO, G; ORLINSKII, SB; SHIRYAEV, AA; KHOMICH, AA; SULYANOV, SN; JELEZKO, F; WRACHTRUP, J.
NITROGEN CONTROL IN NANODIAMOND PRODUCED BY DETONATION SHOCK-WAVE-ASSISTED SYNTHESIS
JOURNAL OF PHYSICAL CHEMISTRY C 115(29), 14014-14024 (2011)

38. KRIVENKO, AG; KOMAROVA, NS; RYABENKO, AG; NAUMKIN, AV; STENINA, EV; SVIRIDOVA, LN; SUL'YANOV, SN.
THE ROLE OF THE MEDIUM IN ELECTROCHEMICAL FUNCTIONALIZATION AND DISPERSION OF CARBON NANOTUBES
RUSSIAN CHEMICAL BULLETIN 60(6), 1071-1077 (2011)

39. KRIVENKO, AG; KOMAROVA, NS; RYABENKO, AG; SUL'YANOV, SN.
DEBUNDLING OF CARBON SINGLE-WALLED NANOTUBES AT OXIDATION OF BROMINE IONS
ELECTROCHEMISTRY COMMUNICATIONS 12(8), 1049-1051 (2010)

40. KOCHERVINSKII, VV; KOZLOVA, NV; KHNYKOV, AY; SHCHERBINA, MA; SULYANOV, SN; DEMBO, KA.
FEATURES OF STRUCTURE FORMATION AND ELECTROPHYSICAL PROPERTIES OF POLY(VINYLIDENE FLUORIDE) CRYSTALLINE FERROELECTRIC POLYMERS
JOURNAL OF APPLIED POLYMER SCIENCE 116(2), 695-707 (2010)

41. ABDUEV, AK; AKHMEDOV, AK; ASVAROV, AS; ABDULLAEV, AA; SULYANOV, SN.
EFFECT OF GROWTH TEMPERATURE ON PROPERTIES OF TRANSPARENT CONDUCTING GALLIUM-DOPED ZNO FILMS
SEMICONDUCTORS 44(1), 32-36 (2010)

42. SULYANOVA, EA; MOLCHANOV, VN; SOROKIN, NI; KARIMOV, DN; SULYANOV, SN; SOBOLEV, BP.
DEFECT STRUCTURE AND IONIC CONDUCTIVITY OF CA1-XSCXF2+X (0.02 <= X <= 0.15) SINGLE CRYSTALS
CRYSTALLOGRAPHY REPORTS 54(4), 572-583 (2009)

43. SULYANOVA, EA; MOLCHANOV, VN; VERIN, IA; SULYANOV, SN; SOBOLEV, BP.
NANOSTRUCTURED CRYSTALS OF THE FLUORITE PHASES SR1-XRXF2+X (R-RARE-EARTH ELEMENTS) AND THEIR ORDERING: II. CRYSTAL STRUCTURE OF THE ORDERED SR4LU3F17 PHASE
CRYSTALLOGRAPHY REPORTS 54(3), 516-525 (2009)

44. SOBOLEV, BP; KARIMOV, DN; SUL'YANOV, SN; ZHMUROVA, ZI.
NANOSTRUCTURED CRYSTALS OF FLUORITE PHASES SR1-X R (X) F2+X (R ARE RARE-EARTH ELEMENTS) AND THEIR ORDERING. I.

CRYSTAL GROWTH OF SR1-X R (X) F2+X (R = Y, LA, CE, PR, ND, SM, GD, TB, DY, HO, ER, TM, YB, AND LU)
CRYSTALLOGRAPHY REPORTS 54(1), 122-130 (2009)

45. SOBOLEV, BP; SVIRIDOV, IA; FADEEVA, VI; SUL'YANOV, SN; SOROKIN, NI; ZHMUROVA, ZI; KHODOS, II; AVILOV, AS; ZAPOROZHETS, MA.
MECHANOCHEMICAL SYNTHESIS OF NONSTOICHIOMETRIC NANOCRYSTALS LA1-YCAYF3-Y WITH A TYSONITE STRUCTURE AND NANOCERAMIC MATERIALS FROM CAF2 AND LAF3 CRYSTALS
CRYSTALLOGRAPHY REPORTS 53(5), 868-880 (2008)

46. ABDUEV, A; AKHMEDOV, A; ASVAROV, A; ABDULLAEV, A; SULYANOV, S.
INVESTIGATIONS OF SYNTHESIS MECHANISMS OF ZNO THIN FILMS IN DC MAGNETRON SPUTTER PROCESSES
JOURNAL OF THE KOREAN PHYSICAL SOCIETY 53(1), 59-62 (2008)

47. KHEIKER, DM; KOVALCHUK, MV; KORCHUGANOV, VN; SHILINA, YN; SHISHKOV, VA; SULYANOV, SN; DOROVATOVSKII, PV; RUBINSKY, SV; RUSAKOV, AA.
STATION FOR X-RAY STRUCTURAL ANALYSIS OF MATERIALS AND SINGLE CRYSTALS (INCLUDING NANOCRYSTALS) ON A SYNCHROTRON RADIATION BEAM FROM THE WIGGLER AT THE SIBERIA-2 STORAGE RING (VOL 52, PG 1108, 2007)
CRYSTALLOGRAPHY REPORTS 53(2), 358-358 (2008)

48. KOCHERVINSKII, V; MALYSHKINA, I; GAVRILOVA, N; SULYANOV, S; BESSONOVA, N.
PECULIARITIES OF DIELECTRIC RELAXATION IN POLY(VINYLIDENE FLUORIDE) WITH DIFFERENT THERMAL HISTORY
JOURNAL OF NON-CRYSTALLINE SOLIDS 353(47-51), 4443-4447 (2007)

49. KHEIKER, DM; KOVALCHUK, MV; KORCHUGANOV, VN; SHILIN, YN; SHISHKOV, VA; SULYANOV, SN; DOROVATOVSKII, PV; RUBINSKY, SV; RUSAKOV, AA.
STATION FOR X-RAY STRUCTURAL ANALYSIS OF MATERIALS AND SINGLE CRYSTALS (INCLUDING NANOCRYSTALS) ON A SYNCHROTRON RADIATION BEAM FROM THE WIGGLER AT THE SIBERIA-2 STORAGE RING
CRYSTALLOGRAPHY REPORTS 52(6), 1108-1115 (2007)

50. SULYANOV, SN; KHEIKER, DM; DOROVATOVSKII, PV; SUGONYAKO, AV; VAINSHTEIN, DI; DEN HARTOG, HW.
CHARACTERIZATION OF THE SIZE AND ORIENTATION OF NA AND CL-2 NANOCRYSTALS IN ELECTRON IRRADIATED NACL CRYSTALS BY MEANS OF SYNCHROTRON RADIATION
JOURNAL OF PHYSICS-CONDENSED MATTER 19(24), - (2007)

51. KHEIKER, DM; KOVALCHUK, MV; SHILIN, YN; SHISHKOV, VA; SULYANOV, SN; DOROVATOVSKII, PV; RUSAKOV, AA.
THE BELOK STATION FOR PROTEIN CRYSTALLOGRAPHY ON THE SYNCHROTRON RADIATION BEAM FROM THE BENDING MAGNET IN THE SIBIR-2 STORAGE RING
CRYSTALLOGRAPHY REPORTS 52(2), 358-364 (2007)

52. DEN HARTOG, HW; SUGONYAKO, AV; VAINSHTEIN, DI; TURKIN, AA; SULYANOV, SN; KHEIKER, DM; DOROVATOVSKII, PV.
CHARACTERIZATION OF ULTRA-HEAVILY DAMAGED NACL
PHYSICA STATUS SOLIDI C - CURRENT TOPICS IN SOLID STATE PHYSICS, VOL 4, NO 3 4(3), 1079-+ (2007)

53. KOCHERVINSKII, VV; SUL'YANOV, SN.
STRUCTURE FORMATION IN CRYSTALLIZING FERROELECTRIC POLYMERS
PHYSICS OF THE SOLID STATE 48(6), 1079-1082 (2006)

54. SOBOLEV, BP; SVIRIDOV, IA; FADEEVA, VI; SUL'YANOV, SN; SOROKIN, NI; ZHMUROVA, ZI; HERRERO, P; LANDA-CANOVAS, A; ROJAS, RA.
MECHANOCHEMICAL SYNTHESIS OF NONSTOICHIOMETRIC FLUORITE CA1-XLAXF2+X NANOCRYSTALS FROM CAF2 AND LAF3 SINGLE CRYSTALS
CRYSTALLOGRAPHY REPORTS 50(3), 478-485 (2005)

55. ABDUEV, AK; ASVAROV, AS; AKHMEDOV, AK; KAMILOV, IK; SULYANOV, SN.
GROWTH MECHANISM OF ZNO LAYERS
ZINC OXIDE - A MATERIAL FOR MICRO- AND OPTOELECTRONIC APPLICATIONS 194, 15-24 (2005)

56. KOKH, AE; KONONOVA, NG; BEKKER, TB; FURMANOVA, NG; MAXIMOV, BA; BOLOTINA, NB; SUL'YANOV, SN; FEDOROV, PP; TKACHENKO, EA; KUZNETSOV, SV; SOBOL', AA; KARGIN, YF.
NEW SODIUM BARIUM ORTHOBORATE NABA4(BO3)(3)
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY 49(7), 984-988 (2004)

57. SULYANOV, SN; KHEIKER, DM; VAINSHTEIN, DI; DEN HARTOG, HW.
CHARACTERIZATION OF NA PRECIPITATES IN ELECTRON IRRADIATED NACL CRYSTALS BY WIDE ANGLE X-RAY SCATTERING (WAXS)
SOLID STATE COMMUNICATIONS 128(11), 419-423 (2003)

58. VOLK, T; MAXIMOV, B; SULYANOV, S; RUBININA, N; WOHLECKE, M.
RELATION OF THE PHOTOREFRACTION AND OPTICAL-DAMAGE RESISTANCE TO THE INTRINSIC DEFECT STRUCTURE IN LINBO3 CRYSTALS
OPTICAL MATERIALS 23(1-2), 229-233 (2003)

59. SULYANOV, S; MAXIMOV, B; VOLK, T; BOYSEN, H; SCHNEIDER, J; RUBININA, N; HANSEN, T.
NEUTRON AND X-RAY STUDY OF STOICHIOMETRIC AND DOPED LINBO3 : ZN-0.08
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 74, S1031-S1033 (2002)

60. BLANK, VD; GOGOLINSKY, KV; DENISOV, VN; IVDENKO, VA; MAVRIN, BN; SEREBRYANAYA, NR; SULYANOV, SN.
MECHANICAL, STRUCTURAL, AND SPECTROSCOPIC PROPERTIES OF C-70 FULLERITE PHASES PRODUCED UNDER HIGH PRESSURE AND SHEAR
TECHNICAL PHYSICS 47(12), 1533-1537 (2002)

61. OSTROVSKII, BI; SULYANOV, SN; BOIKO, NI; SHIBAEV, VP; DE JEU, WH.
STRUCTURE AND FRUSTRATION IN LIQUID CRYSTALLINE POLYACRYLATES I. BULK BEHAVIOUR
EUROPEAN PHYSICAL JOURNAL E 6(4), 277-285 (2001)

62. BOIKO, N; SHIBAEV, V; OSTROVSKII, B; SULYANOV, S; WOLFF, D; SPRINGER, J.
FRUSTRATED BEHAVIOR OF A SIDE-CHAIN LIQUID CRYSTALLINE POLYACRYLATE
MACROMOLECULAR CHEMISTRY AND PHYSICS 202(2), 297-303 (2001)

63. KHEIKER, DM; ANDRIANOVA, ME; SUL'YANOV, SN; DUDKIN, SS; ZANEVSKII, YV; FATEEV, OV; CHERNENKO, SP.
AN X-RAY POWDER-PATTERN DIFFRACTOMETER WITH A TWO-DIMENSIONAL PARALLAX-FREE PROPORTIONAL CHAMBER, A SHARP-FOCUSING X-RAY TUBE, AND A FOCUSING COLLIMATOR
INDUSTRIAL LABORATORY 66(11), 729-733 (2000)

64. BLANK, VD; SEREBRYANAYA, NR; DUBITSKY, GA; BUGA, SG; SULYANOV, SN; LVOVA, NA.
PHASE TRANSITIONS IN C-60 AND C-70 FULLERITES AT HIGH TEMPERATURES AND HIGH PRESSURES
EUROPEAN POWDER DIFFRACTION, PTS 1 AND 2 321-3, 866-871 (2000)

65. ABDI, F; AILLERIE, M; FONTANA, M; BOURSON, P; VOLK, T; MAXIMOV, B; SULYANOV, S; RUBININA, N; WOHLECKE, M.
INFLUENCE OF ZN DOPING ON ELECTROOPTICAL PROPERTIES AND STRUCTURE PARAMETERS OF LITHIUM NIOBATE CRYSTALS
APPLIED PHYSICS B-LASERS AND OPTICS 68(5), 795-799 (1999)

66. BLANK, VD; SEREBRYANAYA, NR; DUBITSKY, GA; BUGA, SG; DENISOV, VN; MAVRIN, BN; IVLEV, AN; SULYANOV, SN; LVOVA, NA.
POLYMERIZATION AND PHASE DIAGRAM OF SOLID C-70 AFTER HIGH-PRESSURE-HIGH-TEMPERATURE TREATMENT
PHYSICS LETTERS A 248(5-6), 415-422 (1998)

67. KONSTANTINOVA, AF; KOROSTEL, LA; SUL'YANOV, SN.
ANOMALOUS OPTICAL PROPERTIES ASSOCIATED WITH THE REAL STRUCTURE OF SRTIO3 CRYSTALS
CRYSTALLOGRAPHY REPORTS 43(5), 849-851 (1998)

68. OSTROVSKII, BI; SULYANOV, SN; BOIKO, NI; SHIBAEV, VP.
EVIDENCE OF A PHASE WITH TWO-DIMENSIONAL POSITIONAL ORDER IN A SIDE GROUP LIQUID CRYSTALLINE POLYMER
LIQUID CRYSTALS 25(2), 153-163 (1998)

69. KAMINSKII, AA; BUTASHIN, AV; HULLIGER, J; EGGER, P; BAGAYEV, SN; EICHLER, HJ; FINDEISEN, J; LIU, B; TAUBER, U; PEUSER, P; SULYANOV, SN.
NEW ANISOTROPIC RARE EARTH FLUORIDES BAR2F8 (R = Y, DY-LU): GROWTH AND CHARACTERIZATION
JOURNAL OF ALLOYS AND COMPOUNDS 275, 442-446 (1998)

70. BLANK, VD; BUGA, SG; SEREBRYANAYA, NR; DUBITSKY, GA; MAVRIN, BN; POPOV, MY; BAGRAMOV, RH; PROKHOROV, VM; SULYANOV, SN; KULNISKIY, BA; TATYANIN, YV.
STRUCTURES AND PHYSICAL PROPERTIES OF SUPERHARD AND ULTRAHARD 3D POLYMERIZED FULLERITES CREATED FROM SOLID C-60 BY HIGH PRESSURE HIGH TEMPERATURE TREATMENT
CARBON 36(5-6), 665-670 (1998)

71. BLANK, VD; DENISOV, VN; IVLEV, AN; MAVRIN, BN; SEREBRYANAYA, NR; DUBITSKY, GA; SULYANOV, SN; POPOV, MY; LVOVA, NA; BUGA, SG; KREMKOVA, GN.
HARD DISORDERED PHASES PRODUCED AT HIGH-PRESSURE-HIGH-TEMPERATURE TREATMENT OF C-60
CARBON 36(9), 1263-1267 (1998)

72. BLANK, VD; BUGA, SG; SEREBRYANAYA, R; DUBITSKY, GA; PROKHOROV, VM; POPOV, MY; LVOVA, NA; LEVIN, VM; SULYANOV, SN.
CLUSTER STRUCTURE AND ELASTIC PROPERTIES OF SUPERHARD AND ULTRAHARD FULLERITES
ELECTRONIC PROPERTIES OF NOVEL MATERIALS - PROGRESS IN MOLECULAR NANOSTRUCTURES: XII INTERNATIONAL WINTERSCHOOL 442, 499-503 (1998)

73. BLANK, VD; BUGA, SG; SEREBRYANAYA, NR; DUBITSKY, GA; MAVRIN, BN; POPOV, MY; BAGRAMOV, RH; PROKHOROV, VM; SULYANOV, SN; KULNITSKIY, BA; TATYANIN, YV.
STRUCTURES AND PHYSICAL PROPERTIES OF SUPERHARD AND ULTRAHARD 3D POLYMERIZED FULLERITES CREATED FROM SOLID C-60 BY HIGH PRESSURE HIGH TEMPERATURE TREATMENT
FULLERENES AND CARBON BASED MATERIALS 68, 665-670 (1998)

74. ROGACHEVA, VB; NOVOSKOL'TSEVA, OA; KHANDURINA, YV; SUL'YANOV, SN; ZEZIN, AB.
INTERACTIONS OF LIGHTLY CROSS-LINKED POLYAMINE GELS WITH ANIONIC SURFACTANTS
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 2 KHIMIYA 38(6), 363-370 (1997)

75. NOVOSKOLTSEVA, OA; KRUPENINA, TV; SULYANOV, SN; BELCHENKO, NN; ROGACHEVA, VB; ZEZIN, AB; KABANOV, VA.
SUBSTITUTION REACTIONS OCCURRING IN CROSS-LINKED POLYANION LINEAR POLYCATION ANIONIC SURFACTANT TRIPLE SYSTEMS
VYSOKOMOLEKULYARNYE SOEDINENIYA SERIYA A & SERIYA B 39(7), 1146-1151 (1997)

76. SMIRNOV, LS; NATKANIEC, I; BRAGIN, SI; SHUVALOV, LA; SULYANOV, SN.
AMMONIUM DYNAMICS IN RB1-X(NH4)(X)SCN MIXED CRYSTALS AT 10 K
PHYSICA B 234, 66-67 (1997)

77. OBROV, AB; SKORIKOVA, EE; SULYANOV, SN; ROGACHEVA, VB; ZEZIN, AB; KABANOV, VA.
THE STRUCTURE AND SORPTION PROPERTIES OF A POLYMER-COLLOID COMPLEX FORMED BY CETYLPYRIDINIUM CATIONS AND POLYACRYLATE ANIONS
VYSOKOMOLEKULYARNYE SOEDINENIYA SERIYA A & SERIYA B 39(4), 627-631 (1997)

78. DOLBININA, VV; SAVENKO, BN; SMIRNOV, LS; SOLOVYEV, AI; SULYANOV, SN; KHEIKER, DM; SHUVALOV, LA.
NH4SCN-NH4CL AND NASCN-NH4SCN SYSTEMS STUDY BY POWDER X-RAY DIFFRACTION AT ROOM TEMPERATURE
IZVESTIYA AKADEMII NAUK SERIYA FIZICHESKAYA 60(10), 202-204 (1996)

79. BLANK, VD; BUGA, SG; SEREBRYANAYA, NR; DUBITSKY, GA; SULYANOV, SN; POPOV, MY; DENISOV, VN; IVLEV, AN; MAVRIN, BN.
PHASE TRANSFORMATIONS IN SOLID C-60 AT HIGH-PRESSURE-HIGH-TEMPERATURE TREATMENT AND THE STRUCTURE OF 3D POLYMERIZED FULLERITES
PHYSICS LETTERS A 220(1-3), 149-157 (1996)

80. KHEIKER, DM; ANDRIYANOVA, ME; SULYANOV, SN; ZANEVSKII, YV; FATEEV, OV; CHERNENKO, SP.
A STUDY OF PARAMETERS OF AN SD-1000 AREA DETECTOR WITH A SPHERICAL INPUT WINDOW
KRISTALLOGRAFIYA 41(2), 362-369 (1996)

81. SULYANOV, SN; ANDRIYANOVA, ME; KHEIKER, DM.
MEASUREMENTS OF ANGULAR COORDINATES BY AN SD-1000 DETECTOR WITH SPHERICAL DRIFT REGION
KRISTALLOGRAFIYA 41(2), 370-375 (1996)

82. KAMINSKII, AA; BUTASHIN, AV; SULYANOV, SN.
CRYSTAL GROWTH AND SOME SPECTROSCOPIC PROPERTIES OF CSBI2F7:ND3+
INORGANIC MATERIALS 32(1), 98-100 (1996)

83. KAMINSKII, A.A.; BUTASHIN, A.V.; SUL'YANOV, S.N..
CRYSTALLIZATION AND SOME SPECTROSCOPIC PROPERTIES OF CSBI2F7-ND3+
NEORG. MATER. 32, 110 (1996)

84. KONSTANTINOVA, AF; KOROSTEL, LA; SULYANOV, SN.
REAL STRUCTURE AND ANOMALOUS OPTICAL PROPERTIES OF STRONTIUM TITANATE CRYSTALS
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES 52, C524-C524 (1996)

85. SULYANOV, SN; BURENKOV, GP; KHEIKER, DM.
THE USE OF AN AREA-DETECTOR X-RAY DIFFRACTOMETER IN THE RIETVELD METHOD
KRISTALLOGRAFIYA 40(2), 234-238 (1995)

86. SULYANOV, SN; POPOV, AN; KHEIKER, DM.
USING A 2-DIMENSIONAL DETECTOR FOR X-RAY-POWDER DIFFRACTOMETRY
JOURNAL OF APPLIED CRYSTALLOGRAPHY 27, 934-942 (1994)

87. ZANEVSKII, YV; DONETS, DE; IVANOV, AB; MOVCHAN, SA; OSTROVNOI, AI; CHERNENKO, SP; KHEIKER, DM; ANDRIANOVA, ME; POPOV, AN; SULYANOV, SN.
2-DIMENSIONAL MULTIPLE-WIRE HIGH-RESOLUTION DETECTOR FOR THE X-RAY DIFFRACTOMETER
KRISTALLOGRAFIYA 38(2), 252-260 (1993)

88. POPOV, AN; SULYANOV, SN; KHEIKER, DM.
CORRECTION OF INTENSITY AND COORDINATE MODIFICATION IN DIFFRACTOMETER WITH 2-DIMENSIONAL DETECTOR
KRISTALLOGRAFIYA 37(4), 863-873 (1992)