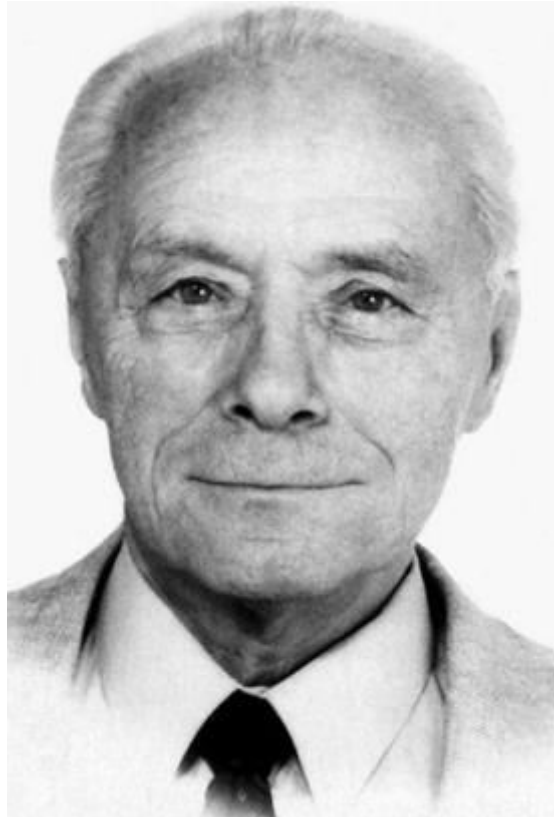


# Владислав Всеволодович Леманов



(1932 г. – 2012 г.)

Ушел из жизни **Владислав Всеволодович Леманов**, заведующий отделом физики сегнетоэлектричества и магнетизма, долгие годы являвшийся также заместителем главного редактора журнала «Физика твердого тела».

В.В. Леманов окончил физико-механический факультет Ленинградского политехнического института и с 1957 г. работал в Физико-техническом институте им. А.Ф. Иоффе, где многие годы возглавлял Отдел физики сегнетоэлектричества и магнетизма.

В 1962 г. он защитил кандидатскую, а в 1973 г. — докторскую диссертацию. Прекрасный физик-экспериментатор с глубоким знанием теории Владислав Всеволодович успешно работал в различных направлениях физики твердого тела.

Ядерный магнитный резонанс примесных центров в щелочно-галогенидных кристаллах, гиперзвуковые волны в диэлектриках, фазовые переходы в тонкопленочных сегнетоэлектриках и сегнетоэластиках — вот неполный перечень направлений, в развитие которых В.В. Леманов внес признанный вклад.

В 1984 г. ему в составе коллектива авторов была присуждена Государственная премия СССР за исследование акустооптических взаимодействий в кристаллах.

У Владислава Всеволодовича было много учеников, в том числе кандидатов и докторов наук. Он длительное время возглавлял научную школу «Физика сегнетоэлектриков и родственных материалов». Будучи профессором Санкт-Петербургского государственного политехнического университета, он разработал популярные у студентов специальные курсы по физике сегнетоэлектриков и сверхпроводников. За успехи в науке и подготовке научных кадров В.В. Леманов был награжден орденом Почета.

Особо нужно отметить большую роль Владислава Всеволодовича в работе журнала «Физика твердого тела». Он был привлечен к этой деятельности уже в первые годы существования журнала, созданного А.Ф. Иоффе. В течение многих лет, занимая должность заместителя главного редактора журнала, В.В. Леманов выполнял большую и очень ответственную работу по рассмотрению поступающих статей и принятию решения об их публикации. В этом в полной мере проявился широкий кругозор Владислава Всеволодовича как ученого, его глубокие познания в самых разных областях современной физики. В издательской деятельности ему помогали и обширные профессиональные контакты в научном сообществе. Во многом именно благодаря деятельности В.В. Леманова журнал «Физика твердого тела» в трудное для отечественной науки время сумел сохранить своих авторов и читательскую аудиторию.

Навсегда в нашей памяти остаются его замечательные человеческие качества: широкий кругозор, интеллигентность, неравнодушие к происходящему вокруг, неповторимое чувство юмора.

*По материалам статьи: "К 85-летию со дня рождения Владислава Всеволодовича Леманова" Физика твердого тела, 2017, том 59, вып. 2*

## Список основных научных публикаций В.В. Леманова

1. MARKOVIN, PA; LEMANOV, VV; GUZHVA, ME; TREPANOV, VA.  
DIELECTRIC RELAXATION IN SRTIO<sub>3</sub>-BASED SOLID SOLUTIONS WITH HETEROVALENT SUBSTITUTIONS  
FERROELECTRICS 469(1), 43-49 (2014)
2. STRUKOV, B; ONODERA, A; LEMANOV, V; SHNAIDSHEIN, I; GRABOVSKY, S; DAVITADZE, S; MILOV, E.  
CALORIMETRY IN FERROELECTRICITY: TRENDS AND SOME NEW RESULTS  
FERROELECTRICS 466(1), 145-157 (2014)
3. MARKOVIN, PA; LEMANOV, VV; GUZHVA, ME; SYRNIKOV, PP; SHAPLYGINA, TA.  
DIELECTRIC INVESTIGATIONS OF SOLID SOLUTIONS SRTIO<sub>3</sub>-KTAO<sub>3</sub> AND SRTIO<sub>3</sub>-KNBO<sub>3</sub>  
PHYSICS OF THE SOLID STATE 56(5), 989-995 (2014)
4. PRONIN, IP; SYRNIKOV, PP; ZAITSEVA, NV; KAPTELOV, EY; SENKEVICH, SV; CASTRO, RA; LEMANOV, VV.  
RELAXOR PROPERTIES OF SINGLE CRYSTALS OF NA<sub>1/2</sub>BI<sub>1/2</sub>TIO<sub>3</sub>-KTAO<sub>3</sub> SOLID SOLUTIONS  
TECHNICAL PHYSICS LETTERS 40(4), 343-345 (2014)
5. BALASHOVA, EV; KRICHEVTSOV, BB; SVINAREV, FB; LEMANOV, VV.  
FERROELECTRIC FILMS OF DEUTERATED GLYCINE PHOSPHITE: STRUCTURE AND DIELECTRIC PROPERTIES  
PHYSICS OF THE SOLID STATE 55(5), 995-1001 (2013)
6. SHIROKOV, VB; YUZYUK, YI; KALINCHUK, VV; LEMANOV, VV.

- MATERIAL CONSTANTS OF (BA,SR)TiO<sub>3</sub> SOLID SOLUTIONS  
PHYSICS OF THE SOLID STATE 55(4), 773-779 (2013)
7. YARMARKIN, VK; SHUL'MAN, SG; LEMANOV, VV.  
ON THE EFFECT OF SPONTANEOUS POLARIZATION ON THE HEIGHT OF THE SCHOTTKY BARRIER AT THE METAL-FERROELECTRIC CONTACT  
PHYSICS OF THE SOLID STATE 55(3), 547-550 (2013)
  8. LEMANOV, VV.  
FERROELECTRIC AND PIEZOELECTRIC PROPERTIES OF PROTEIN AMINO ACIDS AND THEIR COMPOUNDS  
PHYSICS OF THE SOLID STATE 54(9), 1841-1842 (2012)
  9. LEMANOV, VV; YARMARKIN, VK; EGOROV, VM; PANKOVA, GA; ZAITSEVA, NV; MARKOVA, LA.  
PHASE TRANSITIONS IN CRYSTALS OF PROTEIN AMINO ACIDS WITH TRAPPED DROPS OF WATER SOLUTIONS  
PHYSICS OF THE SOLID STATE 54(2), 346-349 (2012)
  10. TAYLOR, GW; DEC, J; EIRAS, JA; ITOH, M; LEMANOV, VV; PETZELT, J.  
SPECIAL ISSUE: PROFESSOR WOLFGANG KLEEMANN IN HONOR OF HIS 70TH BIRTHDAY  
FERROELECTRICS 426, 1-1 (2012)
  11. LEMANOV, VV; MARKOVIN, PA.  
TRIBUTE TO PROFESSOR W. KLEEMANN  
FERROELECTRICS 426, 4-4 (2012)
  12. LEMANOV, VV; VUL', AY; BAIDAKOVA, MV; DIDEIKIN, AT.  
SPECIAL ISSUE: PROCEEDINGS OF THE JOINT INTERNATIONAL CONFERENCE "ADVANCED CARBON NANOSTRUCTURES"  
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 20(4-7), 297-298 (2012)
  13. BALASHOVA, EV; KRICHEVTSOV, BB; PANKOVA, GA; LEMANOV, VV.  
STRUCTURAL AND DIELECTRIC PROPERTIES OF GLYCINE PHOSPHITE THIN FILMS  
FERROELECTRICS 433, 138-145 (2012)
  14. LEMANOV, VV; POPOV, SN; PANKOVA, GA.  
PHASE TRANSITIONS IN CRYSTALS OF PROTEIN AMINO ACIDS  
PHYSICS OF THE SOLID STATE 53(8), 1603-1607 (2011)
  15. BALASHOVA, EV; KRICHEVTSOV, BB; TAGANTSEV, AK.  
THERMODYNAMIC DESCRIPTION OF GENERATION OF THE SECOND ACOUSTIC HARMONICS INDUCED BY AN ELECTRIC FIELD IN FERROELECTRICS  
PHYSICS OF THE SOLID STATE 53(7), 1367-1370 (2011)
  16. LEMANOV, VV; POPOV, SN; PANKOVA, GA.  
PIEZOELECTRICITY IN PROTEIN AMINO ACIDS  
PHYSICS OF THE SOLID STATE 53(6), 1191-1193 (2011)
  17. LEMANOV, VV; POPOV, SN; PANKOVA, GA.  
PHASE TRANSITION IN SARCOSINE PHOSPHITE SINGLE CRYSTALS  
PHYSICS OF THE SOLID STATE 53(6), 1274-1276 (2011)
  18. BALASHOVA, EV; KRICHEVTSOV, BB; LEMANOV, VV.  
SMALL- AND STRONG-SIGNAL DIELECTRIC RESPONSE IN A SINGLE-CRYSTAL FILM OF PARTIALLY DEUTERATED BETAINE PHOSPHITE  
PHYSICS OF THE SOLID STATE 53(6), 1216-1222 (2011)
  19. YARMARKIN, VK; SHUL'MAN, SG; ZAITSEVA, NV; LEMANOV, VV.  
ELECTRIC FIELD INDUCED FERROELECTRICITY IN PBBO<sub>3</sub> PEROVSKITES WITH COMPLEX SUBSTITUTION IN THE B POSITION  
PHYSICS OF THE SOLID STATE 53(2), 345-349 (2011)
  20. LEMANOV, VV; VUL, AY.  
PROCEEDINGS OF THE 9TH BIENNIAL INTERNATIONAL WORKSHOP "FULLERENES AND ATOMIC CLUSTERS"-PART 2  
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 19(1-2), 17-17 (2011)
  21. BALASHOVA, EV; KRICHEVTSOV, BB; ZAITSEVA, NV; PANKOVA, GA; FREDERIKS, ID; LEMANOV, VV.  
DIELECTRIC PROPERTIES OF BETAINE PHOSPHITE AND DEUTERATED BETAINE PHOSPHITE FILMS  
CRYSTALLOGRAPHY REPORTS 56(1), 38-43 (2011)
  22. STRUKOV, B; DAVITADZE, S; SHNAIDSHEIN, I; LEMANOV, VV; SHULMAN, SG; UESU, Y; ASANUMA, S; NOHEDA, B; VLOOSWIJK, A; SCHLOM, D; SOUKIASSIAN, AHG; XI, XX.  
FEATURES OF PHASE TRANSITIONS IN NANOSTRUCTURED FERROELECTRIC OXIDES REVEALED FROM CALORIMETRIC DATA  
FERROELECTRICS 414, 1-11 (2011)

23. BALASHOVA, EV; LEMANOV, VV.  
DIELECTRIC AND ACOUSTIC PROPERTIES OF BP11-X BPX (X=0-0.1) CRYSTALS IN THE REGION OF ANTIFERRODISTORTIVE AND FERROELECTRIC PHASE TRANSITIONS  
FERROELECTRICS 412, 59-73 (2011)
24. POPOV, SN; LEMANOV, VV.  
PIEZOELECTRIC EFFECT IN DISERINE SULFATE MONOHYDRATE CRYSTALS  
PHYSICS OF THE SOLID STATE 52(8), 1615-1618 (2010)
25. ZALESSKII, VG; LEMANOV, VV.  
DIELECTRIC PROPERTIES OF PBBO(3) PEROVSKITES WITH MIXED-VALENCE SUBSTITUTION IN THE B POSITION  
PHYSICS OF THE SOLID STATE 52(7), 1463-1467 (2010)
26. LEMANOV, VV.  
NEW RELAXORS WITH THE PEROVSKITE STRUCTURE  
FERROELECTRICS 400, 347-361 (2010)
27. SOTNIKOV, AV; SMIRNOVA, EP; SCHMIDT, H; WEIHNACHT, M; LEMANOV, VV.  
POLAR STATE IN LI-DOPED SRTIO3  
FERROELECTRICS 405, 13-19 (2010)
28. LEMANOV, VV; VUL, AY.  
PROCEEDINGS OF THE 9TH BIENNIAL INTERNATIONAL WORKSHOP "FULLERENES AND ATOMIC CLUSTERS" - PART 1 GUEST EDITORIAL  
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 18(4-6), 337-337 (2010)
29. BALASHOVA, EV; KRICHEVTSOV, BB; LEMANOV, VV.  
PERMITTIVITY AND CONDUCTIVITY OF TRIGLYCINE SULFATE FILMS ON AL/SIO2 AND ALPHA-AL2O3 SUBSTRATES  
PHYSICS OF THE SOLID STATE 52(1), 126-131 (2010)
30. YARMARKIN, VK; SHUL'MAN, SG; LEMANOV, VV.  
IS THERE FERROELECTRICITY IN DNA?  
PHYSICS OF THE SOLID STATE 51(9), 1881-1885 (2009)
31. LEMANOV, VV; SMIRNOVA, EP; ZAITSEVA, NV.  
RELAXORS WITH MULTIPLE SUBSTITUTIONS IN OCTAHEDRAL SITES OF THE PEROVSKITE STRUCTURE  
PHYSICS OF THE SOLID STATE 51(8), 1685-1690 (2009)
32. SHIROKOV, VB; YUZYUK, YI; LEMANOV, VV.  
PHENOMENOLOGICAL DESCRIPTION OF THIN SRTIO3 FILMS  
PHYSICS OF THE SOLID STATE 51(5), 1025-1032 (2009)
33. SHIROKOV, VB; YUZYUK, YI; DKHIL, B; LEMANOV, VV.  
PHENOMENOLOGICAL THEORY OF PHASE TRANSITIONS IN EPITAXIAL BAXSR1-XTIO3 THIN FILMS  
PHYSICAL REVIEW B 79(14), - (2009)
34. BALASHOVA, EV; KRICHEVTSOV, BB; LEMANOV, VV.  
DIELECTRIC PROPERTIES OF BETAIN PHOSPHITE FILMS  
PHYSICS OF THE SOLID STATE 51(3), 560-567 (2009)
35. YARMARKIN, VK; SHUL'MAN, SG; LEMANOV, VV.  
RESISTIVE SWITCHING IN AU/TIO2/PT THIN FILM STRUCTURES  
FERROELECTRICS 391, 139-150 (2009)
36. BALASHOVA, EV; KRICHEVTSOV, BB; LEMANOV, VV.  
GROWTH, OPTICAL IMAGING AND DIELECTRIC PROPERTIES OF FERROELECTRIC BETAIN PHOSPHITE AND TRIGLYCINE SULPHATE FILMS  
INTEGRATED FERROELECTRICS 106, 29-39 (2009)
37. CHABANYUK, AN; TORGASHEV, VI; YUZYUK, YI; LEMANOV, VV; SIMON, P.  
MICRO-RAMAN RESPONSE AND PHONON OSCILLATOR PARAMETERS IN SOLID SOLUTIONS PB1-XCAXTIO3 (0.40 < X < 0.62)  
PHYSICS OF THE SOLID STATE 51(1), 165-173 (2009)
38. BALASHOVA, EV; KRICHEVTSOV, BB; LEMANOV, VV.  
FERROELECTRIC BETAIN PHOSPHITE FILMS: GROWTH, OPTICAL IMAGING, AND DIELECTRIC PROPERTIES  
JOURNAL OF APPLIED PHYSICS 104(12), - (2008)
39. DAVITADZE, S; STRUKOV, B; VYSOTSKII, DV; LEMANOV, V; SHUL'MAN, S; UESU, Y; ASANUMA, S.  
PHASE TRANSITION IN THIN EPITAXIAL FERROELECTRIC FILMS AS DERIVED FROM THERMAL MEASUREMENTS  
PHYSICS OF THE SOLID STATE 50(12), 2303-2306 (2008)
40. YARMARKIN, VK; SHUL'MAN, SG; LEMANOV, VV.  
RESISTIVE SWITCHING IN AU/TIO2/PT THIN FILM STRUCTURES ON SILICON

- PHYSICS OF THE SOLID STATE 50(10), 1841-1847 (2008)
41. SHIROKOV, VB; YUZYUK, YI; DKHIL, B; LEMANOV, VV.  
PHENOMENOLOGICAL DESCRIPTION OF PHASE TRANSITIONS IN THIN BATIO<sub>3</sub> FILMS  
PHYSICS OF THE SOLID STATE 50(5), 928-936 (2008)
  42. YARMARKIN, VK; SHUL'MAN, SG; PANKOVA, GA; ZAITSEVA, NV; LEMANOV, VV.  
DIELECTRIC RELAXATION IN TGS CRYSTALS DOPED WITH ORTHOPHOSPHORIC AND PHOSPHOROUS ACIDS  
PHYSICS OF THE SOLID STATE 50(5), 937-940 (2008)
  43. STRUKOV, B; DAVITADZE, S; LEMANOV, V; SHULMAN, S; UESU, Y; ASANUMA, S; SCHLOM, D; SOUKIASSIAN, A.  
PHASE TRANSITIONS IN FERROELECTRIC THIN FILMS AND SUPERLATTICES: THERMOPHYSICAL APPROACH  
FERROELECTRICS 370, 57-64 (2008)
  44. OSTAPCHUK, T; PETZELT, J; KUZEL, P; VELJKO, S; TKACH, A; VILARINHO, P; PONOMAREVA, I; BELLAICHE, L;  
SMIRNOVA, E; LEMANOV, V; SOTNIKOV, A; WEIHNACHT, M.  
INFRARED AND THZ SOFT-MODE SPECTROSCOPY OF (BA,SR)TIO<sub>3</sub> CERAMICS  
FERROELECTRICS 367, 139-148 (2008)
  45. YARMARKIN, VK; SHULMAN, SG; LEMANOV, VV.  
BIPOLAR RESISTIVE SWITCHING IN AU/TIO<sub>2</sub>/PT THIN FILM STRUCTURES  
INTEGRATED FERROELECTRICS 100, 274-284 (2008)
  46. LEMANOV, VV; VUL, AY.  
PROCEEDINGS OF THE 8TH BIENNIAL INTERNATIONAL WORKSHOP "FULLERENES AND ATOMIC CLUSTERS" -  
GUEST EDITORIAL  
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 16(5-6), 283-284 (2008)
  47. SMIRNOVA, EP; SOTNIKOV, AV; ZAITSEVA, NV; WEIHNACHT, M; LEMANOV, VV.  
RELAXOR BEHAVIOR OF SRTIO<sub>3</sub>-LINBO<sub>3</sub> SOLID SOLUTIONS  
PHYSICS OF THE SOLID STATE 50(1), 122-125 (2008)
  48. SMIRNOVA, EP; SOTNIKOV, AV; LEMANOV, VV; WEIHNACHT, M.  
DIELECTRIC AND ACOUSTIC PROPERTIES OF SRTIO<sub>3</sub>-PMN SOLID SOLUTIONS  
2008 17TH IEEE INTERNATIONAL SYMPOSIUM ON THE APPLICATIONS OF FERROELECTRICS , 498-500 (2008)
  49. EGOROV, VM; SMIRNOVA, EP; LEMANOV, VV.  
CALORIMETRY OF (1-X)BATIO<sub>3</sub>-XBA(MG<sub>1/3</sub>NB<sub>2/3</sub>)O-3 SOLID SOLUTIONS  
PHYSICS OF THE SOLID STATE 49(8), 1528-1531 (2007)
  50. SHIROKOV, VB; YUZYUK, YI; DKHIL, B; LEMANOV, VV.  
PHENOMENOLOGICAL THEORY OF PHASE TRANSITIONS IN EPITAXIAL BATIO<sub>3</sub> THIN FILMS  
PHYSICAL REVIEW B 75(22), - (2007)
  51. SMIRNOVA, EP; SOTNIKOV, AV; KVYATKOVSKII, OE; WEIHNACHT, M; LEMANOV, VV.  
PHASE EVOLUTION IN SRTIO<sub>3</sub>-PBZRO<sub>3</sub> SOLID SOLUTION  
JOURNAL OF APPLIED PHYSICS 101(8), - (2007)
  52. ZAITSEVA, NV; SMIRNOVA, EP; LEMANOV, VV.  
SYMMETRY AND LATTICE PARAMETERS OF SRTIO<sub>3</sub>-PBTIO<sub>3</sub> SOLID SOLUTIONS  
PHYSICS OF THE SOLID STATE 49(3), 510-511 (2007)
  53. BALASHOVA, EV; LEMANOV, VV; PANKOVA, GA.  
DIELECTRIC PROPERTIES OF GLYCINE PHOSPHITE CRYSTALS IN THE MODEL OF A PHASE TRANSITION WITH  
INCLUSION OF HIGH-ORDER INVARIANTS  
PHYSICS OF THE SOLID STATE 49(2), 343-350 (2007)
  54. OSTAPCHUK, T; SAVINOV, M; PETZEL, J; PASHKIN, A; DRESSEL, M; SMIRNOVA, E; LEMANOV, V; SOTNIKOV, A;  
WEIHNACHT, M.  
FAR INFRARED SPECTROSCOPY OF SR<sub>1</sub>-XBAXTIO<sub>3</sub> (0.01 ≤ X ≤ 0.2) CERAMICS  
FERROELECTRICS 353, 504-511 (2007)
  55. LEMANOV, VV.  
BARIUM TITANATE-BASED SOLID SOLUTIONS  
FERROELECTRICS 354, 69-76 (2007)
  56. LEMANOV, VV.  
PHASE TRANSITIONS AND DIELECTRIC RELAXATION IN INCIPIENT FERROELECTRICS WITH THE PEROVSKITE  
STRUCTURE  
FERROELECTRICS 346, 97-109 (2007)
  57. ZALESSKII, VG; LEMANOV, VV; SMIRNOVA, EP; SOTNIKOV, AV; ZAITSEVA, NV.  
PHASE TRANSITIONS IN SOLID SOLUTIONS (1-X)BATIO<sub>3</sub>-XBAMG(1/3)B(2/3)O(3) (B = NB, TA)  
PHYSICS OF THE SOLID STATE 49(1), 113-117 (2007)

58. KOJIMA, S; ONODERA, A; LEMANOV, VV; VAKHRUSHEV, SB.  
PROCEEDINGS OF THE EIGHTH RUSSIAN-CIS-BALTIC-JAPANESE SYMPOSIUM ON FERROELECTRICITY (RCBJSF-8)  
PART III OF III - TSUKUBA, JAPAN - MAY 15-19, 2006  
FERROELECTRICS 348, VII-VII (2007)
59. YARMARKIN, VK; SHULMAN, SG; LEMANOV, VV.  
PYROELECTRIC PROPERTIES OF NOVEL PROTEIN AMINO ACID-BASED SINGLE CRYSTALS  
FERROELECTRICS 348, 520-525 (2007)
60. KOJIMA, S; ONODERA, A; LEMANOV, VV; VAKHRUSHEV, SB.  
GUEST EDITORIAL  
FERROELECTRICS 346, VII-VII (2007)
61. KOJIMA, S; ONODERA, A; LEMANOV, VV; VAKHRUSHEV, SB.  
GUEST EDITORIAL  
FERROELECTRICS 347, VII-VII (2007)
62. STRUKOV, BA; DAVITADZE, ST; LEMANOV, VV; SHULMAN, SG; UESU, Y; ASANUMA, S.  
COMPARATIVE STUDY OF PHASE TRANSITIONS IN POLYCRYSTALLINE AND EPITAXIAL BATIO(3) THIN FILMS BY  
SPECIFIC HEAT MEASUREMENTS  
FERROELECTRICS 347, 179-185 (2007)
63. EGOROV, VM; LEMANOV, VV.  
DIFFERENTIAL SCANNING CALORIMETRY STUDY OF THE PHASE TRANSITION IN DISERINE SULFATE  
MONOHYDRATE CRYSTALS  
PHYSICS OF THE SOLID STATE 48(10), 1954-1958 (2006)
64. YARMARKIN, VK; SHUL'MAN, SG; LEMANOV, VV.  
PHASE TRANSITION IN DISERINE SULFATE MONOHYDRATE CRYSTALS  
PHYSICS OF THE SOLID STATE 48(8), 1568-1571 (2006)
65. TORGASHEV, VI; YUZYUK, YI; SHIROKOV, VB; LEMANOV, VV.  
ROTATIONAL POLAR STRUCTURAL DISTORTIONS IN PB1-XCAXTIO3 SOLID SOLUTIONS FROM RAMAN  
SPECTROSCOPIC DATA  
PHYSICS OF THE SOLID STATE 48(5), 919-928 (2006)
66. TORGASHEV, VI; YUZYUK, YI; LEMANOV, VV; KUNTSCHER, CA.  
RAMAN SPECTROSCOPIC STUDY OF THE CONCENTRATION PHASE TRANSITION IN PB1-XCAXTIO3 SOLID  
SOLUTIONS  
PHYSICS OF THE SOLID STATE 48(4), 765-773 (2006)
67. LEMANOV, VV; VUL', AY.  
GUEST EDITORIAL  
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 14(2-3), 129-130 (2006)
68. SHIROKOV, VB; TORGASHEV, VI; BAKIROV, AA; LEMANOV, VV.  
CONCENTRATION PHASE DIAGRAM OF BAXSR1-XTIO3 SOLID SOLUTIONS  
PHYSICAL REVIEW B 73(10), - (2006)
69. LEMANOV, VV; SOTNIKOV, AV; SMIRNOVA, EP; WEIHNACHT, M.  
DIELECTRIC RELAXATION IN DOPED SRTIO3: TRANSITION FROM CLASSICAL THERMAL ACTIVATION TO QUANTUM  
TUNNELLING  
JOURNAL OF APPLIED PHYSICS 98(5), - (2005)
70. GORSHUNOV, BP; PRONIN, AV; KUTSKOV, I; VOLKOV, AA; LEMANOV, VV; TORGASHEV, VI.  
POLAR PHONONS AND SPECIFIC FEATURES OF THE FERROELECTRIC STATES IN CADMIUM TITANATE  
PHYSICS OF THE SOLID STATE 47(3), 547-555 (2005)
71. TORGASHEV, VI; YUZYUK, YI; SHIROKOV, VB; LEMANOV, VV; SPEKTOR, IE.  
RAMAN SPECTRA OF CADMIUM TITANATE  
PHYSICS OF THE SOLID STATE 47(2), 337-346 (2005)
72. LEMANOV, VV.  
DIELECTRIC RELAXATION IN DOPED SRTIO3 IN THE REGIMES OF CLASSICAL THERMAL ACTIVATION AND OF  
QUANTUM TUNNELING  
FERROELECTRICS 318, 121-131 (2005)
73. BALASHOVA, EV; LEMANOV, VV; PANKOVA, GA.  
ACOUSTIC PROPERTIES OF GLYCINE PHOSPHITE CRYSTALS WITH AN ADMIXTURE OF GLYCINE PHOSPHATE  
PHYSICS OF THE SOLID STATE 47(1), 183-190 (2005)
74. YARMARKIN, VK; SHUL'MAN, SG; PANKOVA, GA; LEMANOV, VV.  
PYROELECTRIC PROPERTIES OF SOME COMPOUNDS BASED ON PROTEIN AMINOACIDS

- PHYSICS OF THE SOLID STATE 47(11), 2135-2137 (2005)
75. YARMARKIN, VK; POPOV, SN; SHULMAN, SG; LEMANOV, VV.  
DEFECT DIPOLES AND INTERNAL BIAS FIELD IN GLYCINE PHOSPHATE-DOPED GLYCINE PHOSPHITE CRYSTALS  
FERROELECTRICS 320, 559-565 (2005)
  76. SMIMOVA, EP; SOTNIKOVA, AV; KUNZE, R; WEIHNACHT, M; KVIATKOVSKII, OE; LEMANOV, VV.  
INTERRELATION OF ANTIFERRODISTORTIVE AND FERROELECTRIC PHASE TRANSITIONS IN  $\text{Sr}(1-x)\text{A}(x)\text{TlO}_3$  (A= BA, PB)  
SOLID STATE COMMUNICATIONS 133(7), 421 (2005)
  77. VOLKOV, AA; KOMANDIN, GA; GORSHUNOV, BP; LEMANOV, VV; TORGASHEV, VI.  
SOFT POLAR MODES AND PHASE STATES OF  $\text{Ca}_1\text{-xPb}_x\text{TlO}_3$  SOLID SOLUTIONS  
PHYSICS OF THE SOLID STATE 46(5), 927-941 (2004)
  78. STRUKOV, BA; DAVITADZE, ST; SHULMAN, SG; GOLTZMAN, BV; LEMANOV, VV.  
CLARIFICATION OF SIZE EFFECTS IN POLYCRYSTALLINE  $\text{BaTiO}_3$  THIN FILMS BY MEANS OF THE SPECIFIC HEAT MEASUREMENTS: GRAIN SIZE OR FILM THICKNESS?  
FERROELECTRICS 301, 157-162 (2004)
  79. LEMANOV, VV; SHUL'MAN, SG; YARMARKIN, VK; POPOV, SN; PANKOVA, GA.  
PYROELECTRIC, PIEZOELECTRIC, AND POLARIZATION RESPONSES OF GLYCINE PHOSPHITE CRYSTALS WITH AN ADMIXTURE OF GLYCINE PHOSPHATE  
PHYSICS OF THE SOLID STATE 46(7), 1285-1290 (2004)
  80. LEMANOV, VV; SMIRNOVA, EP; UKHIN, EV.  
STRUCTURAL PHASE TRANSITION IN  $(1-x)\text{SrTiO}_3$  PLUS  $\text{xSrMg}(1/3)\text{Nb}(2/3)\text{O}_3$  SOLID SOLUTIONS  
PHYSICS OF THE SOLID STATE 46(7), 1323-1326 (2004)
  81. LEMANOV, VV; SMIRNOVA, EP; SOTNIKOV, AV; WEIHNACHT, M.  
DIELECTRIC RELAXATION IN  $\text{SrTiO}_3$  : MN  
PHYSICS OF THE SOLID STATE 46(8), 1442-1448 (2004)
  82. BALASHOVA, EV; LEMANOV, VV.  
DIELECTRIC PROPERTIES OF BETAINE PHOSPHITE-BETAINE PHOSPHATE IN IMPROPER FERROELASTIC PHASE  
FERROELECTRICS 302, 389-391 (2004)
  83. LEMANOV, VV.  
PHASE TRANSITIONS IN PEROVSKITE SOLID SOLUTIONS WITH INCIPIENT FERROELECTRICS  
FERROELECTRICS 302, 415-419 (2004)
  84. LEMANOV, VV.  
GUEST EDITORIAL: INTRODUCTION TO THE DUBNA 2000 PROCEEDINGS  
FERROELECTRICS 299, VII-VIII (2004)
  85. LEMANOV, VV; VUL, AY.  
PROCEEDINGS OF THE 6TH BIENNIAL INTERNATIONAL WORKSHOP "FULLERENES AND ATOMIC CLUSTERS"  
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES 12(1-2), XLIII-XLIV (2004)
  86. STRUKOV, BA; DAVITADZE, ST; KRAVCHUN, SN; TARASKIN, SA; GOLTZMAN, M; LEMANOV, VV; SHULMAN, SG.  
SPECIFIC HEAT AND HEAT CONDUCTIVITY OF  $\text{BaTiO}_3$  POLYCRYSTALLINE FILMS IN THE THICKNESS RANGE 20-1100 NM  
JOURNAL OF PHYSICS-CONDENSED MATTER 15(25), 4331-4340 (2003)
  87. LEMANOV, VV; GOLTSMAN, BM; YARMARKIN, VK; BOIKOV, YA.  
SLOW DIELECTRIC RELAXATION IN  $\text{SrRuO}_3/\text{Ba}_0.8\text{Sr}_0.2\text{TiO}_3/\text{SrRuO}_3$  FERROELECTRIC THIN FILM CAPACITOR STRUCTURES  
FERROELECTRICS 286, 973-981 (2003)
  88. STRUKOV, BA; DAVITADZE, ST; TARASKIN, SA; GOLTZMAN, BM; SHULMAN, SG; LEMANOV, VV.  
THERMODYNAMICAL PROPERTIES OF THE THIN POLYCRYSTALLINE  $\text{BaTiO}_3$  FILMS ON SUBSTRATES  
FERROELECTRICS 286, 967-972 (2003)
  89. LEMANOV, VV; POPOV, SN; PANKOVA, GA.  
PROTEIN AMINO ACID CRYSTALS: STRUCTURE, SYMMETRY, PHYSICAL PROPERTIES  
FERROELECTRICS 285, 581-590 (2003)
  90. LEMANOV, VV; SOCHAVA, LS.  
HINDERED ROTATION OF THE  $\text{CH}_3$  GROUP IN L-ALANINE SINGLE CRYSTALS: TEMPERATURE-INDUCED TRANSFORMATION OF THE ESR SPECTRUM  
PHYSICS OF THE SOLID STATE 45(8), 1455-1458 (2003)
  91. BALASHOVA, EV; LEMANOV, VV.  
DIELECTRIC PROPERTIES OF BETAINE PHOSPHITE-BETAINE PHOSPHATE SOLID-SOLUTION CRYSTALS IN THE

IMPROPER FERROELASTIC PHASE

PHYSICS OF THE SOLID STATE 45(7), 1310-1314 (2003)

92. LEMANOV, VV; VAKHRUSHEV, SB; UESU, Y; ONODERA, A.  
PROCEEDINGS OF THE SEVENTH RUSSIAN-CIS-BALTIC-JAPANESE SYMPOSIUM ON FERROELECTRICITY (RCBJSF-7) - PART I OF IV - ST. PETERSBURG, RUSSIA - JUNE 24-28, 2002  
FERROELECTRICS 283, VII-VIII (2003)
93. LEMANOV, VV; VAKHRUSHEV, SB; UESU, Y; ONODERA, A.  
PROCEEDINGS OF THE SEVENTH RUSSIAN-CIS-BALTIC-JAPANESE SYMPOSIUM ON FERROELECTRICITY (RCBJSF-7) - PART II OF IV - ST. PETERSBURG, RUSSIA - JUNE 24-28, 2002 - PREFACE  
FERROELECTRICS 284, VII-VIII (2003)
94. LEMANOV, VV; VAKHRUSHEV, SB; UESU, Y; ONODERA, A.  
PROCEEDINGS OF THE SEVENTH RUSSIAN-CIS-BALTIC-JAPANESE SYMPOSIUM ON FERROELECTRICITY (RCBJSF-7) - PART III OF IV - ST. PETERSBURG, RUSSIA - JUNE 24-28, 2002  
FERROELECTRICS 285, IX-X (2003)
95. BALASHOVA, EV; LEMANOV, VV.  
DIELECTRIC AND ACOUSTIC PROPERTIES OF SOME BETAINE AND GLYCINE COMPOUNDS  
FERROELECTRICS 285, 553-579 (2003)
96. LEMANOV, VV; VAKHRUSHEV, SB; UESU, Y; ONODERA, A.  
PROCEEDINGS OF THE SEVENTH RUSSIAN-CIS-BALTIC-JAPANESE SYMPOSIUM ON FERROELECTRICITY (RCBJSF-7) - PART IV OF IV - ST. PETERSBURG, RUSSIA - JUNE 24-28, 2002  
FERROELECTRICS 286, XXIX-XXX (2003)
97. ZELEZNY, V; COCKAYNE, E; PETZELT, J; LIMONOV, MF; USVYAT, DE; LEMANOV, VV; VOLKOV, AA.  
TEMPERATURE DEPENDENCE OF INFRARED-ACTIVE PHONONS IN  $\text{CaTiO}_3$ : A COMBINED SPECTROSCOPIC AND FIRST-PRINCIPLES STUDY  
PHYSICAL REVIEW B 66(22), - (2002)
98. LEMANOV, VV; SOTNIKOV, AV; SMIRNOVA, EP; WEIHNACHT, M.  
FROM INCIPIENT FERROELECTRICITY IN  $\text{CaTiO}_3$  TO REAL FERROELECTRICITY IN  $\text{Ca}_{1-x}\text{Pb}_x\text{TiO}_3$  SOLID SOLUTIONS  
APPLIED PHYSICS LETTERS 81(5), 886-888 (2002)
99. LEMANOV, VV; GRIDNEV, SA; UKHIN, EV.  
LOW-FREQUENCY ELASTIC PROPERTIES, DOMAIN DYNAMICS, AND SPONTANEOUS TWISTING OF  $\text{SrTiO}_3$  NEAR THE FERROELASTIC PHASE TRANSITION  
PHYSICS OF THE SOLID STATE 44(6), 1156-1165 (2002)
100. BOIKOV, YA; GOLTSMAN, BM; YARMARKIN, VK; LEMANOV, VV.  
NEAR-ELECTRODE MODEL OF TRANSIENT CURRENTS IN  $(\text{Ba,Sr})\text{TiO}_3$  THIN FILM CAPACITOR STRUCTURES  
APPLIED PHYSICS LETTERS 80(21), 4003-4005 (2002)
101. DAVITADZE, ST; KRAVCHUN, SN; STRUKOV, BA; GOLTZMAN, BM; LEMANOV, VV; SHULMAN, SG.  
SPECIFIC HEAT AND THERMAL CONDUCTIVITY OF  $\text{BaTiO}_3$  POLYCRYSTALLINE THIN FILMS  
APPLIED PHYSICS LETTERS 80(9), 1631-1633 (2002)
102. MISHINA, ED; MOROZOV, AI; SIGOV, AS; SHERSTYUK, NE; AKTSIPETROV, OA; LEMANOV, VV; RASING, T.  
A STUDY OF THE STRUCTURAL PHASE TRANSITION IN STRONTIUM TITANATE SINGLE CRYSTAL BY COHERENT AND INCOHERENT SECOND OPTICAL HARMONIC GENERATION  
JOURNAL OF EXPERIMENTAL AND THEORETICAL PHYSICS 94(3), 552-567 (2002)
103. LEMANOV, VV.  
IMPROPER FERROELASTIC  $\text{SrTiO}_3$  AND WHAT WE KNOW TODAY ABOUT ITS PROPERTIES  
FERROELECTRICS 265, 1-21 (2002)
104. BALASHOVA, EV; LEMANOV, VV; PANKOVA, GA.  
ELECTRIC FIELD EFFECT ON DIELECTRIC CONSTANT OF GLYCINE PHOSPHITE  
FERROELECTRICS LETTERS SECTION 29(1-2), 5-14 (2002)
105. BALASHOVA, EV; LEMANOV, VV; KLOPPERPIEPER, A.  
EFFECT OF ELECTRIC FIELD ON THE DIELECTRIC PERMITTIVITY OF BETAINE PHOSPHITE CRYSTALS IN THE PARAELECTRIC PHASE  
PHYSICS OF THE SOLID STATE 44(8), 1597-1603 (2002)
106. LEMANOV, VV; POPOV, SN; PANKOVA, GA.  
PIEZOELECTRIC PROPERTIES OF CRYSTALS OF SOME PROTEIN AMINOACIDS AND THEIR RELATED COMPOUNDS  
PHYSICS OF THE SOLID STATE 44(10), 1929-1935 (2002)
107. LEMANOV, VV; SOTNIKOV, AV; SMIRNOVA, EP; WEIHNACHT, M.  
GIANT DIELECTRIC RELAXATION IN  $\text{SrTiO}_3\text{-SrMg}_{1/3}\text{Nb}_2/3\text{O}_3$  AND  $\text{SrTiO}_3\text{-Sr}_{0.5}\text{Ta}_{0.5}\text{O}_3$  SOLID SOLUTIONS



- PHYSICS OF THE SOLID STATE 44(11), 2039-2049 (2002)
108. ZELEZNY, V; LIMONOV, MF; USVYAT, D; LEMANOV, VV; PETZELT, J; VOLKOV, AA.  
SOFT-MODE BEHAVIOR OF INCIPIENT FERROELECTRIC PEROVSKITE  $\text{CATIO}_3$   
FERROELECTRICS 272, 2105-2110 (2002)
109. BOIKOV, YA; GOLTSMAN, BM; YARMARKIN, VK; LEMANOV, VV.  
SLOW CAPACITANCE RELAXATION IN  $(\text{BASR})\text{TIO}_3$  THIN FILMS DUE TO THE OXYGEN VACANCY REDISTRIBUTION  
APPLIED PHYSICS LETTERS 78(24), 3866-3868 (2001)
110. TALYZIN, AV; GRELL, AS; MASIN, F; SHERMAN, AB; LEMANOV, VV; LUNKENHEIMER, P; BRAND, R; LOIDL, A.  
MOLECULAR DYNAMICS OF  $\text{C70S48}$ : DIELECTRIC FUNCTION AND NMR STUDY  
JOURNAL OF PHYSICAL CHEMISTRY B 105(6), 1162-1167 (2001)
111. SMIRNOVA, EP; SOTNIKOV, AV; WEIHNACHT, M; HASSLER, W; LEMANOV, VV.  
PHASE TRANSITION OF  $\text{SRTIO}_3$ - $\text{PBZRO}_3$  SOLID SOLUTIONS  
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY 21(10-11), 1341-1344 (2001)
112. BALASHOVA, EV; LEMANOV, VV; PANKOVA, GA.  
ACOUSTIC AND DIELECTRIC ANOMALIES IN THE TEMPERATURE RANGE OF A FERROELECTRIC PHASE TRANSITION  
IN GLYCINE PHOSPHITE CRYSTALS  
PHYSICS OF THE SOLID STATE 43(7), 1328-1335 (2001)
113. LEMANOV, VV; POPOV, SN; BAKHURIN, VV; ZAITSEVA, NV.  
DISERINE SULFATE MONOHYDRATE: SYMMETRY, PIEZOELECTRIC PROPERTIES, AND PHASE TRANSITIONS  
PHYSICS OF THE SOLID STATE 43(7), 1336-1338 (2001)
114. GUZHVA, ME; LEMANOV, VV; MARKOVIN, PA.  
DIELECTRIC STUDIES OF PHASE TRANSITIONS IN THE FERROELECTRIC  $\text{CDTIO}_3$  AND THE  $\text{SR1-XCDXTIO}_3$  SOLID  
SOLUTION  
PHYSICS OF THE SOLID STATE 43(11), 2146-2153 (2001)
115. GOLTSMAN, BM; YARMARKIN, VK; LEMANOV, VV.  
MOBILE DEFECT CONTRIBUTION TO THE DIELECTRIC NON-LINEARITY OF PZT FERROELECTRIC THIN FILMS  
INTEGRATED FERROELECTRICS 32(1-4), 995-1000 (2001)
116. LEMANOV, VV; SMIRNOVA, EP; SOTNIKOV, AV; WEIHNACHT, M.  
DIELECTRIC RELAXATION IN  $\text{SRTIO}_3$ - $\text{SRMG1/3NB2/3O}_3$  AND  $\text{SRTIO}_3$ - $\text{SRSC1/2TA1/2O}_3$  SOLID SOLUTIONS  
APPLIED PHYSICS LETTERS 77(25), 4205-4207 (2000)
117. MISHINA, ED; MISURYAEV, TV; SHERSTYUK, NE; LEMANOV, VV; MOROZOV, AI; SIGOV, AS; RASING, T.  
OBSERVATION OF A NEAR-SURFACE STRUCTURAL PHASE TRANSITION IN  $\text{SRTIO}_3$  BY OPTICAL SECOND HARMONIC  
GENERATION  
PHYSICAL REVIEW LETTERS 85(17), 3664-3667 (2000)
118. BALASHOVA, EV; LEMANOV, VV.  
ACOUSTIC AND DIELECTRIC PROPERTIES OF BETAINE PHOSPHITE AND A PHENOMENOLOGICAL MODEL WITH  
COUPLED ORDER PARAMETERS  
FERROELECTRICS 247(4), 269-281 (2000)
119. LEMANOV, VV.  
PIEZOELECTRIC AND PYROELECTRIC PROPERTIES OF PROTEIN AMINO ACIDS AS BASIC MATERIALS OF SOFT STATE  
PHYSICS  
FERROELECTRICS 238(1-4), 775-782 (2000)
120. YARMARKIN, VK; GOL'TSMAN, BM; KAZANIN, MM; LEMANOV, VV.  
BARRIER PHOTOVOLTAIC EFFECTS IN PZT FERROELECTRIC THIN FILMS  
PHYSICS OF THE SOLID STATE 42(3), 522-527 (2000)
121. GOL'TSMAN, BM; YARMARKIN, VK; LEMANOV, VV.  
INFLUENCE OF MOBILE CHARGED DEFECTS ON THE DIELECTRIC NON-LINEARITY OF THIN FERROELECTRIC PZT  
FILMS  
PHYSICS OF THE SOLID STATE 42(6), 1116-1119 (2000)
122. DAVITADZE, ST; KRAVCHUN, SN; STRUKOV, BA; TARASKIN, SA; GOL'TSMAN, BM; LEMANOV, VV; SHUL'MAN, SG.  
STUDY OF THE THERMAL PROPERTIES OF  $\text{BA1-XSRXTIO}_3$  THIN FILMS BY THE AC HOT-PROBE METHOD  
PHYSICS OF THE SOLID STATE 42(10), 1887-1890 (2000)
123. LEMANOV, VV; VUL', AY.  
FULLERENES AND ATOMIC CLUSTERS - PROCEEDINGS OF THE INTERNATIONAL WORKSHOP IWFACT'99 - ST.  
PETERSBURG, RUSSIA, OCTOBER 4-8, 1999 - GUEST EDITORIAL  
MOLECULAR MATERIALS 13(1-4), XIII-XIV (2000)
124. SHERMAN, B; ELGHOLABZOURI, M; LEMANOV, VV; TALYZIN, AV; JANSSON, U; LUNKENHEIMER, P; BRAND, R;

- LOIDL, A.  
PHASE TRANSITION AND RELAXATION DYNAMICS IN C70S48 POLAR CRYSTALS AND FILMS  
MOLECULAR MATERIALS 13(1-4), 269-274 (2000)
125. LEMANOV, VV.  
PHASE TRANSITIONS IN INCIPIENT FERROELECTRICS OF PEROVSKITE STRUCTURE WITH IMPURITIES  
DEFECTS AND SURFACE-INDUCED EFFECTS IN ADVANCED PEROVSKITES 77, 329-340 (2000)
126. LEMANOV, VV.  
PIEZO-, PYRO-, AND FERROELECTRICITY IN BIOLOGICAL MATERIALS  
PIEZOELECTRIC MATERIALS: ADVANCES IN SCIENCE, TECHNOLOGY AND APPLICATIONS 76, 1-9 (2000)
127. KOPELEVICH, Y; LEMANOV, VV; MOEHLECKE, S; TORRES, JHS.  
LANDAU LEVEL QUANTIZATION AND POSSIBLE SUPERCONDUCTING INSTABILITIES IN HIGHLY ORIENTED PYROLITIC  
GRAPHITE  
PHYSICS OF THE SOLID STATE 41(12), 1959-1962 (1999)
128. LEMANOV, VV; SOTNIKOV, AV; SMIRNOVA, EP; WEIHNACHT, M; HASSLER, O.  
DIELECTRIC PROPERTIES OF SOLID SOLUTIONS PBMG1/3NB2/3O3-SRTIO3  
PHYSICS OF THE SOLID STATE 41(6), 994-998 (1999)
129. TREPAKOV, V; VIKHNIN, V; SAVINOV, M; SYRNIKOV, P; KAPPAN, S; LEMANOV, V; HESSE, H; JASTRABIK, L.  
DIELECTRIC PERMITTIVITY AND FE- AND CU-DOPING EFFECT IN KTAO3 AND K1-XLIXTAO3  
FERROELECTRICS 235(1-4), 59-75 (1999)
130. LEMANOV, VV.  
PHASE TRANSITIONS IN SRTIO3 QUANTUM PARAELECTRIC WITH IMPURITIES  
FERROELECTRICS 226(1-4), 133-146 (1999)
131. SOTNIKOV, AV; LEMANOV, VV; SMIRNOVA, EP; WEIHNACHT, M; KUNZE, R.  
DIELECTRIC RELAXATION IN SR1-XBAXTIO3 (X=0.005-0.1)  
FERROELECTRICS 223(1-4), 113-117 (1999)
132. LEMANOV, VV; SOTNIKOV, AV; SMIRNOVA, EP; WEIHNACHT, M; KUNZE, R.  
PEROVSKITE CATIO3 AS AN INCIPIENT FERROELECTRIC  
SOLID STATE COMMUNICATIONS 110(11), 611-614 (1999)
133. LEMANOV, VV; SOTNIKOV, AV; SMIRNOVA, EP; WEIHNACHT, M; HASSLER, W.  
DIELECTRIC PROPERTIES OF SRTIO3-PMN CERAMICS  
FERROELECTRICS 223(1-4), 263-267 (1999)
134. LEMANOV, VV; POPOV, SN.  
PHONON ECHO IN L-ALANINE  
PHYSICS OF THE SOLID STATE 40(11), 1921-1922 (1998)
135. LEMANOV, VV; POPOV, SN.  
UNUSUAL ELECTROMECHANICAL EFFECTS IN GLYCINE  
PHYSICS OF THE SOLID STATE 40(6), 991-994 (1998)
136. BALASHOVA, EV; LEMANOV, VV; ALBERS, J; KLOPPERPIEPER, A.  
ACOUSTIC PROPERTIES OF BETAINE PHOSPHITE IN THE VICINITY OF PHASE TRANSITIONS  
PHYSICS OF THE SOLID STATE 40(6), 995-1000 (1998)
137. DAVITADZE, ST; KRAVCHUN, SN; STRUKOV, BA; GOLTZMAN, BM; LEMANOV, VV; SHULMAN, SG.  
THE MEASURING OF THERMAL PROPERTIES OF THIN DIELECTRIC FILMS WITH THE USE OF PERIODICAL HEATING  
PROBE METHOD  
JOURNAL OF THE KOREAN PHYSICAL SOCIETY 32, S253-S255 (1998)
138. TREPAKOV, VA; VIKHNIN, VS; LEMANOV, VV; SYRNIKOV, PP; SMUTNY, F; SAVINOV, ME; JASTRASIK, L; KAPPAN, S.  
DIELECTRIC PROPERTIES AND PHASE TRANSITIONS OF SRTIO3-KTAO3 SYSTEM  
JOURNAL OF THE KOREAN PHYSICAL SOCIETY 32, S277-S279 (1998)
139. VIKHNIN, VS; MARKOVIN, PA; LEMANOV, VV; KLEEMANN, W.  
CLUSTER MODEL OF FERROELECTRIC ORDERING IN INCIPIENT FERROELECTRICS-BASED SOLID-SOLUTIONS  
JOURNAL OF THE KOREAN PHYSICAL SOCIETY 32, S853-S856 (1998)
140. BALASHOVA, EV; LEMANOV, VV; ALBERS, J; KLOPPERPIEPER, A.  
ULTRASONIC STUDY OF BETAINE COMPOUNDS  
FERROELECTRICS 208(1-4), 63-81 (1998)
141. DAVITADZE, ST; KRAVCHUN, SN; MIZINA, NS; STRUKOV, BA; GOLTSMAN, BM; LEMANOV, VV; SHULMAN, SG.  
MEASUREMENT OF THERMAL PROPERTIES OF THIN DIELECTRIC FILMS AND ANISOTROPIC SOLIDS BY AC HOT-  
STRIP METHOD  
FERROELECTRICS 208(1-4), 279-292 (1998)

142. LEMANOV, VV; VUL', AY.  
INTERNATIONAL WORKSHOP "FULLERENES AND ATOMIC CLUSTERS" HELD IN ST. PETERSBURG, JUNE 30 JULY 4, 1997 - GUEST EDITORIAL  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY SECTION C-MOLECULAR MATERIALS 11(1-2), XI-XI (1998)
143. LEMANOV, VV; VUL, AY.  
FULLERENES AND ATOMIC CLUSTERS - PROCEEDINGS OF THE INTERNATIONAL WORKSHOP - IW FAC '97 - ST. PETERSBURG, RUSSIA, JUNE 30 JULY 4, 1998 - PART 1 - GUEST EDITORIAL  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY SECTION C-MOLECULAR MATERIALS 10(1-4), XI-XI (1998)
144. LEMANOV, VV.  
TRIBUTE TO PROFESSOR MUSER  
FERROELECTRICS 208(1-4), XV-XV (1998)
145. LEMANOV, VV; KOZYREV, SV; KIDALOV, SV; VUL, AY.  
FULLERENES IN RUSSIA  
FULLERENE SCIENCE AND TECHNOLOGY 6(3), 361-374 (1998)
146. GUZHVA, M.E.; LEMANOV, V.V.; MARKOVIN, P.A.; SHUPLYGINA, T.A..  
FERROELECTRIC BEHAVIOUR AND PHASE DIAGRAMS OF SRTIO3-BASED SOLID SOLUTIONS  
CONFERENCE: SIXTH JAPANESE - CIS/BALTIC SYMPOSIUM ON FERROELECTRICITY LOCATION: NODA, JAPAN DATE: 22-25 MARCH 1998 218(1-4), 93 (1998)
147. LEMANOV, VV; TREPAKOV, VA; SYRNIKOV, PP; SAVINOV, M; JASTRABIK, L.  
POLAR STATE IN A SRTIO3-KTAO3 SOLID SOLUTION  
PHYSICS OF THE SOLID STATE 39(10), 1642-1644 (1997)
148. LEMANOV, VV.  
PHASE TRANSITIONS IN SRTIO3-BASED SOLID SOLUTIONS  
PHYSICS OF THE SOLID STATE 39(9), 1468-1473 (1997)
149. GOL'TSMAN, BM; LEMANOV, VV; DEDYK, AI; KARMANENKO, SF; TER-MARTIROSYAN, LT.  
DIELECTRIC PROPERTIES OF PLANAR STRUCTURES BASED ON FERROELECTRIC BA0.5SR0.5TIO3 FILMS  
TECHNICAL PHYSICS LETTERS 23(8), 594-596 (1997)
150. DAVITADZE, ST; KRAVCHUN, SN; STRUKOV, BA; GOL'TSMAN, BM; LEMANOV, VV; SHULMAN, SG.  
EXPERIMENTAL STUDIES OF THE THERMAL PROPERTIES OF THIN FILMS BY A PROBE TECHNIQUE WITH PERIODIC HEATING  
PHYSICS OF THE SOLID STATE 39(7), 1154-1156 (1997)
151. GUZHVA, ME; LEMANOV, VV; MARKOVIN, PA; KLEEMANN, W.  
CRITICAL CONCENTRATIONS IN BA-DOPED INCIPIENT FERROELECTRIC SRTIO3  
PHYSICS OF THE SOLID STATE 39(4), 618-624 (1997)
152. LEMANOV, VV; SMIRNOVA, EP; TARAKANOV, EA.  
FERROELECTRIC PROPERTIES OF SRTIO3-PBTIO3 SOLID SOLUTIONS  
PHYSICS OF THE SOLID STATE 39(4), 628-631 (1997)
153. LEMANOV, VV.  
CONCENTRATION DEPENDENCE OF PHONON MADE FREQUENCIES AND THE GRUNEISEN COEFFICIENTS IN BAXSR1-XTIO3 SOLID SOLUTIONS  
PHYSICS OF THE SOLID STATE 39(2), 318-322 (1997)
154. LEMANOV, VV; YARMARKIN, VK.  
DEPOLARIZATION FIELD AS A DRIVING FORCE OF FATIGUE IN PZT FERROELECTRIC THIN FILMS  
FERROELECTRICS 201(1-4), 55-64 (1997)
155. MARKOVIN, PA; LEMANOV, VV; GUZHVA, ME; KLEEMANN, W.  
REFRACTOMETRIC STUDY OF POLAR ORDERING IN SR1-XBAXTIO3 SINGLE CRYSTALS  
FERROELECTRICS 199(1-4), 121-129 (1997)
156. LEMANOV, VV; SMIRNOVA, EP; TARAKANOV, EA.  
FERROELECTRICITY IN SRTIO3:PB  
FERROELECTRICS LETTERS SECTION 22(3-4), 69-73 (1997)
157. LEMANOV, VV; TALYZIN, AV; SHERMAN, AB; ELGHALABZOURI, M.  
A NEW POLAR SINGLE CRYSTAL C70S48  
PROCEEDINGS OF THE SYMPOSIUM ON RECENT ADVANCES IN THE CHEMISTRY AND PHYSICS OF FULLERENES AND RELATED MATERIALS, VOL 4 97(14), 1217-1223 (1997)
158. SHERMAN, AB; SHAKIN, OV; LEMANOV, VV; ELGHALABZOURI, M.

- OXYGEN EFFECT UPON ELECTRICAL CONDUCTIVITY AND ACOUSTICAL ATTENUATION IN C-60 FILM  
PROCEEDINGS OF THE SYMPOSIUM ON RECENT ADVANCES IN THE CHEMISTRY AND PHYSICS OF FULLERENES AND RELATED MATERIALS, VOL 4 97(14), 1206-1216 (1997)
159. LEMANOV, VV; MOSINA, GN; SOROKIN, LM; SHELMAKH, SV; YARMARKIN, VK.  
STRUCTURE OF SURFACE LAYERS OF LEAD ZIRCONATE-TITANATE FERROELECTRICAL THIN FILMS  
FIZIKA TVERDOGO TELA 38(10), 3108-3115 (1996)
160. MARKOVIN, PA; LEMANOV, VV; KLEEMANN, W; BIANCHI, U; LINDER, R.  
OPTICAL STUDY OF POLAR STATE IN SR1-XBAXTIO3 (X=0,025) SINGLE CRYSTALS  
IZVESTIYA AKADEMII NAUK SERIYA FIZICHESKAYA 60(10), 11-19 (1996)
161. LEMANOV, VV; YARMARKIN, VK.  
DEPOLARIZATION FIELD AND THE FATIGUE OF FERROELECTRIC THIN FILMS  
FIZIKA TVERDOGO TELA 38(8), 2482-2492 (1996)
162. LEMANOV, VV; SMIRNOVA, EP; SYRNIKOV, PP; TARAKANOV, EA.  
PHASE TRANSITIONS AND GLASSLIKE BEHAVIOR IN SR1-XBAXTIO3  
PHYSICAL REVIEW B 54(5), 3151-3157 (1996)
163. GOLTSMAN, BM; DEDYK, AI; LEMANOV, VV; TERMARTIROCYAN, LT; KARMANENKO, SF.  
DIELECTRIC PROPERTIES OF SRTIO3 AND SR0.5BA0.5TIO3 THIN FILMS  
FIZIKA TVERDOGO TELA 38(8), 2493-2501 (1996)
164. MARKOVIN, PA; KLEEMANN, W; LINDNER, R; LEMANOV, VV; KORSHUNOV, OY; SYRNIKOV, PP.  
A CRYSTAL OPTICAL STUDY OF PHASE TRANSITIONS IN SR1-XBAXTIO3 SINGLE CRYSTALS  
JOURNAL OF PHYSICS-CONDENSED MATTER 8(14), 2377-2388 (1996)
165. LEMANOV, VV; IOFAN, AA; SOLOVEVA, KN; FROLOV, YV; YARMARKIN, VK.  
FERROELECTRIC CONDENSATOR STRUCTURES ON SILICON FOR INTEGRAL MICROCIRCUITS OF ENERGY-DEPENDENT MEMORY  
PISMA V ZHURNAL TEKHNICHESKOI FIZIKI 22(6), 72-78 (1996)
166. LEMANOV, VV; VUL, AY.  
FULLERENES AND ATOMIC CLUSTERS - PROCEEDINGS OF THE INTERNATIONAL WORKSHOP IWFAC'95 - ST PETERSBURG, RUSSIA, JUNE 19-24, 1995  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY SECTION C-MOLECULAR MATERIALS 7(1-4), R13-R13 (1996)
167. MARKOVIN, PA; LEMANOV, VV; KORSHUNOV, OY; SYRNIKOV, PP; BIANCHI, U; LINDNER, R; KLEEMANN, W.  
OPTICAL STUDY OF SR(1-X)BA(X)TIO(3) SINGLE CRYSTALS  
FERROELECTRICS 184, 269-272 (1996)
168. BALASHOVA, EV; LEMANOV, VV; KUNZE, R; MARTIN, G; WEIHNACHT, M.  
ULTRASONIC STUDY ON THE TETRAGONAL AND MULLER PHASE IN SRTIO(3)  
FERROELECTRICS 183, 75-83 (1996)
169. LEMANOV, V.V.; IOFAN, A.A.; SOLOV'EVA, K.N.; FROLOV, YU.V.; YARMARKIN, V.K..  
FERROELECTRIC CAPACITOR STRUCTURES ON SILICON FOR VOLATILE MEMORY INTEGRATED CIRCUITS  
TECHNICAL PHYSICS LETTERS 22(3), 261 (1996)
170. GOLTSMAN, BM; ZAITSEVA, NV; KRETSEY, YL; LEMANOV, VV; SHAPLYGINA, TA.  
CERTAIN CHARACTERISTICS OF SRTIO3 AND BA0.5SR0.5TIO3 FILMS FORMING UNDER MAGNETIC SPRAYING  
FIZIKA TVERDOGO TELA 37(12), 3723-3726 (1995)
171. LEMANOV, VV; FROLOV, YV; IOFAN, AA; YARMARKIN, VK; IOFFE, AF.  
SOME PHYSICAL AND TECHNOLOGICAL ASPECTS OF DESIGNING OF FERROELECTRIC NON-VOLATILE SRAM  
MICROELECTRONIC ENGINEERING 29(1-4), 37-40 (1995)
172. LEMANOV, VV; SMIRNOVA, EP; TARAKANOV, EA.  
PHASE DIAGRAM OF BATIO3-SRTIO3 SYSTEM  
FIZIKA TVERDOGO TELA 37(8), 2476-2480 (1995)
173. LEMANOV, VV; ZAITSEVA, NV; SMIRNOVA, EP; SYRNIKOV, PP.  
PHASE TRANSITIONS IN BATIO3-KTAO3 SOLID SOLUTIONS  
FIZIKA TVERDOGO TELA 37(6), 1854-1861 (1995)
174. SINY, IG; ANDRIANOV, GO; FEDOSEEV, AI; LEMANOV, VV; VOLNYANSKY, MD.  
ACOUSTIC ANOMALIES IN THE PHASE-TRANSITION VICINITY IN THE WEAK FERROELECTRIC LI2GE7O15  
JOURNAL OF PHYSICS-CONDENSED MATTER 7(22), 4283-4298 (1995)
175. BALASHOVA, EV; LEMANOV, VV; TAGANTSEV, AK; SHERMAN, AB; SHOMURADOV, SH.  
BETAINE ARSENATE AS A SYSTEM WITH 2 INSTABILITIES  
PHYSICAL REVIEW B 51(14), 8747-8752 (1995)

176. BALASHOVA, EV; LEMANOV, VV; KUNZE, R; MARTIN, G; WEIHNACHT, M.  
INTERDIGITAL TRANSDUCER APPLICATION FOR ULTRASONIC STUDY OF SRTIO3 IN THE QUANTUM PARAELECTRIC REGION  
SOLID STATE COMMUNICATIONS 94(1), 17-20 (1995)
177. SHERMAN, AB; SHAKIN, OV; LEMANOV, VV; SYRNIKOV, PP; TALYZIN, AV.  
ELECTROCONDUCTIVITY OF C-60 FILMS  
PISMA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 21(6), 19-24 (1995)
178. LEMANOV, VV; ZAITSEVA, NV; SMIRNOVA, EP; SYRNIKOV, PP.  
BATIO3-KTAO3 SOLID-SOLUTION - A NEW RELAXOR SYSTEM  
FERROELECTRICS LETTERS SECTION 19(1-2), 7-12 (1995)
179. BALASHOVA, EV; LEMANOV, VV; KUNZE, R; MARTIN, G; WEIHNACHT, M.  
SOME NEW RESULTS ON THE ULTRASONIC BEHAVIOR OF SRTIO3 IN THE QUANTUM PARAELECTRIC REGION  
1995 IEEE ULTRASONICS SYMPOSIUM PROCEEDINGS, VOLS 1 AND 2 , 653-656 (1995)
180. LEMANOV, V.V.; ZAITSEVA, N.V.; SMIRNOVA, E.P.; SYRNIKOV, P.P..  
PHASE TRANSITIONS IN BATIO3-KTAO3 SOLID SOLUTIONS  
PHYSICS OF THE SOLID STATE 37(6), 1010 (1995)
181. GOL'TSMAN, B.M.; ZAITSEVA, N.V.; KRETSER, YU.L.; LEMANOV, V.V.; SHAPLYGINA, T.A..  
FORMATION OF SRTIO3 AND BA0.5SR0.5TIO3 FILMS BY MAGNETRON SPUTTERING  
PHYSICS OF THE SOLID STATE 37(12), 2052 (1995)
182. LEMANOV, VV; MAKAROV, VV; SHERMAN, AB.  
EVEN EFFECT OF FIELD IN YBA2CU3CU7-DELTA FILMS  
FIZIKA TVERDOGO TELA 36(8), 2456-2464 (1994)
183. LEMANOV, VV; KHOLKIN, AL.  
ELECTRIC-FIELD EFFECT IN SUPERCONDUCTORS (REVIEW)  
FIZIKA TVERDOGO TELA 36(6), 1537-1587 (1994)
184. LEMANOV, VV; BALASHOVA, EV; SHERMAN, AB; ZAIDENBERG, AZ; ROZHKOVA, NN.  
ACOUSTIC PROPERTIES OF SCHUNGITES  
RUSSIAN ULTRASONICS 24(6), 322-328 (1994)
185. LEMANOV, VV; SOTNIKOV, AV; YUSHIN, NK.  
FERROELECTRIC-OPTICAL MEMORY ON FERROELECTRIC THIN-FILMS  
FERROELECTRICS LETTERS SECTION 17(3-4), 79-82 (1994)
186. LEMANOV, VV; BALASHOVA, EV; SHERMAN, AB; ZAIDENBERG, AZ; ROZHKOVA, NN.  
ARE THERE FULLERENES IN PRECAMBRIAN ROCK SHUNGITE  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS SCIENCE AND TECHNOLOGY SECTION C-MOLECULAR MATERIALS  
4(1-3), 205-208 (1994)
187. BALASHOVA, E.V.; LEMANOV, V.V.; SHERMAN, A.B.; SHOMURADOV, S..  
POLARIZATION SWITCHING THROUGH THE METASTABLE STATE IN FERROELECTRIC PHASE OF DEUTERATED  
BETAINE ARSENATE  
CONFERENCE: 8TH IUPAP INTERNATIONAL MEETING ON FERROELECTRICITY: IMF-8 LOCATION: GAITHERSBURG,  
MD, USA DATE: 8-13 AUG. 1993 159(1-4), 1 (1994)
188. LEMANOV, V.V.; KHOLKIN, A.L..  
THE ELECTRIC FIELD EFFECT IN SUPERCONDUCTORS (REVIEW)  
PHYSICS OF THE SOLID STATE 36(6), 841 (1994)
189. LEMANOV, VV; KHOLKIN, AL; SHERMAN, AB.  
EFFECT OF SPONTANEOUS POLARIZATION ON THE ELECTRICAL PROPERTIES OF YBACUO SUPERCONDUCTIVE  
FILMS  
FERROELECTRICS 151(1), 109-114 (1994)
190. LEMANOV, VV; KHOLKIN, AL; SHERMAN, AB.  
YBCO THIN-FILMS ON FERROELECTRIC SUBSTRATES - THE POLARIZATION-INDUCED CHANGES OF  
SUPERCONDUCTIVE PROPERTIES  
SUPERCONDUCTOR SCIENCE & TECHNOLOGY 6(12), 814-818 (1993)
191. LEMANOV, VV.  
GOL'TSMAN, B.M.; LEMANOV, V.V.; KHOLKIN, A.L.; SHUL'MAN, S.G..  
THIN FILM STRUCTURES OF (BA,SR)TIO3/YBA2CU3OY  
TECHNICAL PHYSICS LETTERS 19(10), 639 (1993)  
PISMA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 19(22), 33-38 (1993)
192. LEMANOV, VV; BALASHOVA, EV; SHERMAN, AB; ZAIDENBERG, AZ; ROZHKOVA, NN.

- ACOUSTIC PROPERTIES OF SHUNGITES  
FIZIKA TVERDOGO TELA 35(11), 3082-3086 (1993)
193. ALFEROV, ZI; ALEKSANDROV, AP; ALEKSANDROV, AD; ALEKSANDROV, EB; ZHURKOV, SN; ZAKHARCHENYA, BP; KAPLYANSKII, AA; OSIPYAN, YA; ABAEV, MI; GRIGOREVA, NP; KOROVIN, LI; LEMANOV, VV; MIRLIN, DN; RESHINA, II; SOCHAVA, LS.  
IN MEMORY OF KORNFELD, M.I. (1908-1993)  
FIZIKA TVERDOGO TELA 35(8), 2285-2287 (1993)
194. LEMANOV, VV; SOTNIKOV, AV; YUSHIN, NK.  
THERMOFERROOPTICAL RECORD OF INFORMATION IN FERROELECTRIC-FILMS  
PISMA V ZHURNAL TEKHNIЧЕСKOI FIZIKI 19(1), 61-64 (1993)
195. LEMANOV, VV; KHOLKIN, AL; SHERMAN, AB.  
EFFECT OF SPONTANEOUS POLARIZATION OF THE FERROELECTRIC SUBSTRATE ON THE ELECTRICAL-PROPERTIES OF FILMS  
JETP LETTERS 56(11), 562-565 (1992)
196. LEMANOV, VV; PAVLOV, ST; PIVOVAROV, IS.  
ELECTRICAL FIELD-CONTROLLED FERROELECTRIC-SUPERCONDUCTOR STRUCTURES WITH MEMORY ELEMENTS  
PISMA V ZHURNAL TEKHNIЧЕСKOI FIZIKI 18(15), 55-59 (1992)
197. LEMANOV, VV; YUSHIN, NK; SMIRNOVA, EP; SOTNIKOV, AV; TARAKANOV, EA; MAKSIMOV, AY.  
GIANT ELECTROSTRICTION OF FERROELECTRICS WITH DIFFUSE PHASE-TRANSITION - PHYSICS AND APPLICATIONS  
FERROELECTRICS 134(1-4), 139-144 (1992)
198. LEMANOV, VV; SHERMAN, AB; ANDRIANOV, GO; ERGASHEV, IA.  
ULTRASONIC PROPERTIES OF YBA<sub>2</sub>CU<sub>3</sub>OX IN THE TEMPERATURE-RANGE 300-500-K  
FERROELECTRICS 130(1-3), 35-44 (1992)
199. ALBERS, J; BALASHOVA, EV; KLOPPERPIEPER, A; LEMANOV, VV; MUSER, HE; SHERMAN, AB.  
ULTRASONIC STUDY OF DEUTERATED BETAINE ARSENATE CRYSTALS  
FERROELECTRICS 125(1-4), 93-98 (1992)
200. ANDRIANOV, OG; FEDOSEEV, AI; LEMANOV, VV; SINY, IG; VOLNYANSKY, MD.  
DISPERSION OF THE ACOUSTIC ANOMALIES NEAR TC IN FERROELECTRIC LI<sub>2</sub>GE<sub>7</sub>O<sub>15</sub>  
FERROELECTRICS 125(1-4), 471-476 (1992)
201. LEMANOV, V.V.; PAVLOV, S.T.; PIVOVAROV, I.S..  
FERROELECTRIC-SUPERCONDUCTOR STRUCTURES WITH ELECTRIC-FIELD-CONTROLLED MEMORY  
SOVIET TECHNICAL PHYSICS LETTERS 18(8), 494 (1992)
202. KHOLKIN, AL; LEMANOV, VV; KOPELEVICH, YV.  
EVEN HALL-EFFECT IN YBA<sub>2</sub>CU<sub>3</sub>OX FILMS  
PISMA V ZHURNAL TEKHNIЧЕСKOI FIZIKI 17(18), 32-36 (1991)
203. ALBERS, J; BALASHOVA, EV; KLOPPERPIEPER, A; LEMANOV, VV; MUSER, H; SHERMAN, AB.  
ULTRASOUND STUDY OF DEUTERATED BETAINE ARSENATE CRYSTALS  
FIZIKA TVERDOGO TELA 33(8), 2363-2368 (1991)
204. ZAITSEVA, NV; KOPELEVICH, YV; KOCHINA, II; LEMANOV, VV; SYRNIKOV, PP.  
LATTICE-PARAMETERS AND ELECTRICAL-CONDUCTIVITY OF YBA<sub>2</sub>CU<sub>3</sub>O<sub>7-x</sub> CERAMIC VS OXYGEN-CONTENT  
FIZIKA TVERDOGO TELA 33(2), 569-574 (1991)
205. LEMANOV, VV.  
OPTICAL 2ND HARMONIC-GENERATION IN FERROELECTRICS WITH INCOMMENSURATE PHASE  
FERROELECTRICS 117(1-4), 93-103 (1991)
206. LEMANOV, VV; SINY, IG.  
ACOUSTIC ANOMALIES IN WEAK FERROELECTRIC LI<sub>2</sub>GE<sub>7</sub>/15  
FERROELECTRICS 117(1-4), 105-113 (1991)
207. ZAITSEVA, N.V.; KOPELEVICH, YA.V.; KOCHINA, I.I.; LEMANOV, V.V.; SYRNIKOV, P.P..  
DEPENDENCES OF THE LATTICE PARAMETERS AND OF THE ELECTRICAL RESISTIVITY OF CERAMIC YBA<sub>2</sub>CU<sub>3</sub>OX ON THE OXYGEN CONTENT  
SOVIET PHYSICS - SOLID STATE 33(2), 323 (1991)
208. KOPELEVICH, YV; LEMANOV, VV; MAKAROV, VV.  
EFFECT OF WEAK BONDING ON THE ELECTRIC CHARACTERISTICS OF THE YBA<sub>2</sub>CU<sub>3</sub>O<sub>6.9</sub> CERAMIC  
FIZIKA TVERDOGO TELA 32(12), 3613-3617 (1990)
209. LEMANOV, VV; SHERMAN, AB; ANDRIANOV, GO; ERGASHEV, I.  
ULTRASONIC ANOMALIES IN YBA<sub>2</sub>CU<sub>3</sub>OX - A PHASE-TRANSITION OR DEFECTS  
FIZIKA TVERDOGO TELA 32(7), 2161-2164 (1990)

210. POPOV, SN; SYRNIKOV, PP; LEMANOV, VV; CHARNAYA, EV; EFITSENKO, PY; KULESHOV, AA.  
NQR OF COPPER IN EUBA<sub>2</sub>CU<sub>3</sub>O<sub>7</sub> CERAMIC  
FIZIKA TVERDOGO TELA 32(5), 1548-1550 (1990)
211. ALBERS, J; BALASHOVA, EV; KLOPPERPIEPER, A; LEMANOV, VV; MUSER, HE; SHERMAN, AB.  
ULTRASONIC STUDY OF DEUTERATED BETAIN PHOSPHATE CRYSTALS  
FERROELECTRICS 108, 357-362 (1990)
212. LEMANOV, VV; SHERMAN, AB; ANDRIANOV, GO; ERGASHEV, IA.  
IS THERE A FERROELECTRIC DIFFUSE PHASE-TRANSITION IN YBA<sub>2</sub>CU<sub>3</sub>O<sub>7</sub>  
FERROELECTRICS LETTERS SECTION 12(1), 9-16 (1990)
213. HOCHLI, UT; SCOTT, JF; LEMANOV, VV; TATSUZAKI, I.  
SPECIAL ISSUE ON ACOUSTICAL PROPERTIES OF FERROELECTRICS AND RELATED MATERIALS  
FERROELECTRICS 112, 1-1 (1990)
214. BALASHOVA, EV; LEMANOV, VV; SHERMAN, AB.  
ULTRASONIC STUDY OF NONLINEAR PROPERTIES OF CRYSTALS AT PHASE-TRANSITIONS  
FERROELECTRICS 112, 181-193 (1990)
215. KOPELEVICH, YA.V.; LEMANOV, V.V.; MAKAROV, V.V..  
INFLUENCE OF WEAK LINKS ON THE ELECTRICAL CHARACTERISTICS OF CERAMIC YBA<sub>2</sub>CU<sub>3</sub>O<sub>6.9</sub>  
SOVIET PHYSICS - SOLID STATE 32(12), 2095 (1990)
216. KOPELEVICH, YV; LEMANOV, VV; SONIN, EB; KHOLKIN, AL.  
EVEN HALL-EFFECT IN SUPERCONDUCTING PHASE OF YBA<sub>2</sub>CU<sub>3</sub>O<sub>7</sub>-DELTA  
JETP LETTERS 50(4), 212-215 (1989)
217. KOPELEVICH, YV; LEMANOV, VV; KHOLKIN, AL.  
FREQUENCY-DEPENDENCE OF IMPEDANCE AND MAGNETIC-FIELD PENETRATION DEPTH IN YBA<sub>2</sub>CU<sub>3</sub>O<sub>7</sub>-DELTA  
FIZIKA TVERDOGO TELA 31(8), 302-304 (1989)
218. BALASHOVA, EV; LEMANOV, VV; CHUDNOVSKII, FA; SHER, EM; SHERMAN, AB; EMIRYAN, LM; YANUTA, AN.  
SAS DISTRIBUTION IN LAYERED STRUCTURES - SUPERCONDUCTING FILM OF YBACUO-LINBO<sub>3</sub>  
PISMA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 15(1), 11-15 (1989)
219. ALEKSANDROV, KS; ANDRIANOV, GO; BARTA, C; ZAMKOV, AV; LEMANOV, VV; TRISKA, A.  
PHOTOELASTIC PROPERTIES OF LEAD HALIDES IN THE MEDIUM IR RANGE  
FIZIKA TVERDOGO TELA 31(1), 122-125 (1989)
220. LEMANOV, VV; KANDIDOVA, OV.  
PHOTOINDUCED PHENOMENA IN LINBO<sub>3</sub> CRYSTALS  
FERROELECTRICS 95, 15-21 (1989)
221. ISHIBASHI, Y; JANOVEC, V; NEWNHAM, R; LEMANOV, V.  
DOMAIN-STRUCTURES IN FERROELECTRIC, FERROELASTICS, AND OTHER FERROIC MATERIALS .2. GUEST  
EDITORIAL  
FERROELECTRICS 98, R11-R12 (1989)
222. LEMANOV, VV; JANOVEC, V.  
SHUVALOV, LEV, ALEKSANDROVICH - A TRIBUTE  
FERROELECTRICS 98, R15-R16 (1989)
223. KOPELEVICH, YV; LEMANOV, VV; SYRNIKOV, PP.  
TEMPERATURE-DEPENDENCE OF THE ELECTRICAL-RESISTIVITY OF THE SUPERCONDUCTING YBA<sub>2</sub>CU<sub>3</sub>O<sub>7</sub>-DELTA  
SINGLE-CRYSTALS  
FIZIKA TVERDOGO TELA 30(10), 3186-3188 (1988)
224. KOPELEVICH, YV; LEMANOV, VV; SONIN, EB; SYRNIKOV, PP.  
CRITICAL PARAMETERS OF THE SUPERCONDUCTOR YBA<sub>2</sub>CU<sub>3</sub>O<sub>7</sub>-DELTA  
FIZIKA TVERDOGO TELA 30(8), 2432-2436 (1988)
225. BALASHOVA, EV; LEMANOV, VV; RUVIMOV, SS; SOROKIN, LM; SHERMAN, AB.  
DISLOCATION-NUCLEATED LOW-TEMPERATURE PHASE D<sub>4</sub>H IN THE SURFACE-LAYER OF SRTIO<sub>3</sub>  
FIZIKA TVERDOGO TELA 30(7), 2066-2070 (1988)
226. AKHMEDZHANOVA, MM; AKHMEDZHANOV, FR; LEMANOV, VV; PETROV, AA.  
ANNEALING OF HIGH-FREQUENCY ACOUSTIC-WAVES IN BISMUTH SILICATE CRYSTALS  
ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 58(5), 1005-1007 (1988)
227. LEMANOV, VV.  
ELASTIC PROPERTIES OF INCOMMENSURATE STRUCTURES  
FERROELECTRICS 78, 163-172 (1988)
228. BALASHOVA, EV; LEMANOV, VV; SHERMAN, AB.

- PHASE-TRANSITION IN DISTORTED SURFACE-LAYER OF SRTIO<sub>3</sub>  
FERROELECTRICS 79, 451-454 (1988)
229. KANDIDOVA, OV; LEMANOV, VV; SUKHAREV, BV; FURMAN, AS.  
MOTION OF SPACE-CHARGE WAVES IN LINBO<sub>3</sub>-FE  
JETP LETTERS 46(11), 552-556 (1987)
230. BASYUK, SB; DYAKONOV, AM; LEMANOV, VV.  
ANGULAR APERTURE AND SPECTRAL RESOLUTION OF A NONCOLINEAR ACOUSTOOPTICAL FILTER  
ZHURNAL TEKHNICHESKOI FIZIKI 57(9), 1791-1798 (1987)
231. ALEKSANDROV, KS; BOROVIKROMANOV, AS; GINZBURG, VL; ISSUPOV, VA; LEMANOV, VV; OSSIPYAN, YA;  
PROKHOROV, AM; SHUVALOV, LA.  
SMOLENSKII, GEORGII, ANATOLYEVICH - OBITUARY  
USPEKHI FIZICHESKIKH NAUK 152(2), 347-348 (1987)
232. ESAYAN, SK; KITYK, AV; LEMANOV, VV.  
2ND OPTICAL HARMONIC-GENERATION IN THE VICINITY OF INCOMMENSURATE-POLAR PHASE-TRANSITION IN  
K<sub>2</sub>ZNCL<sub>4</sub>  
FIZIKA TVERDOGO TELA 29(5), 1554-1556 (1987)
233. LEMANOV, VV; KIM, VS.  
THE ANISOTROPY OF ELASTIC PROPERTIES OF QUARTZ CRYSTALS  
KRISTALLOGRAFIYA 32(3), 713-717 (1987)
234. PROKHOROV, AM; ALEKSANDROV, KS; SHUVALOV, LA; LEMANOV, VV.  
IN MEMORY OF SMOLENSKY, GEORGE, A. (23.6.1910-20.11.1986) - OBITUARY  
FERROELECTRICS 76(1-2), 1-2 (1987)
235. LEMANOV, VV; ESAYAN, SK.  
ULTRASONIC STUDY OF INCOMMENSURATE PHASE-TRANSITIONS IN FERROELECTRICS  
FERROELECTRICS 73(1-2), 125-144 (1987)
236. KANDIDOVA, OV; LEMANOV, VV; SUKHAREV, BV.  
PHOTODESTRUCTION OF LINBO<sub>3</sub>-FE CRYSTALS  
FERROELECTRICS LETTERS SECTION 7(6), 157-161 (1987)
237. ESAYAN, S.KH.; KITYK, A.V.; LEMANOV, V.V..  
GENERATION OF THE SECOND OPTICAL HARMONIC IN K<sub>2</sub>ZNCL<sub>4</sub> IN THE REGION OF A TRANSITION FROM AN  
INCOMMENSURATE TO A POLAR PHASE  
SOVIET PHYSICS - SOLID STATE 29(5), 891 (1987)
238. BRYKSIN, VV; KANDIDOVA, OV; KOROVIN, LI; LEMANOV, VV; SUKHAREV, BV.  
DYNAMICS OF THE FORMATION OF A SPATIAL CHARGE FIELD DURING THE EXPOSURE OF LITHIUM-NIOBATE  
CRYSTALS  
ZHURNAL TEKHNICHESKOI FIZIKI 56(12), 2353-2360 (1986)
239. BALASHOVA, EV; LEMANOV, VV; SHERMAN, AB.  
NONLINEAR ACOUSTIC EFFECTS IN THE PROPAGATION OF SURFACE ACOUSTIC-WAVES IN SRTIO<sub>3</sub> NEAR THE  
STRUCTURAL PHASE-TRANSITION  
FIZIKA TVERDOGO TELA 28(9), 2717-2720 (1986)
240. BREZINA, B; VANEK, P; ESAYAN, SK; KARAEV, AD; LEMANOV, VV.  
ACOUSTIC AND DIELECTRIC STUDIES OF PHASE-TRANSITIONS IN RB<sub>2</sub>COCL<sub>4</sub> CRYSTALS  
FIZIKA TVERDOGO TELA 28(9), 2802-2807 (1986)
241. KIN, VS; LEMANOV, VV; NASYROV, AN.  
ACOUSTIC DAMPING SURFACES IN QUARTZ  
FIZIKA TVERDOGO TELA 28(8), 2505-2508 (1986)
242. ALEKSANDROV, KS; ANDRIANOV, GO; DYAKONOV, AM; ZAMKOV, AV; LEMANOV, VV.  
PHOTOELASTIC PROPERTIES OF PBCL<sub>2</sub> CRYSTALS ON THE 10.6-MU-M WAVELENGTH  
PISMA V ZHURNAL TEKHNICHESKOI FIZIKI 12(12), 737-740 (1986)
243. LAZAREV, MV; LEMANOV, VV; SUKHAREV, BV.  
OPTICAL REGISTRATION OF SURFACE ACOUSTIC-WAVES IN LITHIUM-NIOBATE  
PISMA V ZHURNAL TEKHNICHESKOI FIZIKI 12(12), 760-764 (1986)
244. LEMANOV, VV; ESAYAN, SK; KARAYEV, A.  
A MANIFESTATION OF THE PHASON IN ULTRASONIC EXPERIMENTS ON INCOMMENSURATE PHASE-TRANSITIONS  
IN FERROELECTRICS  
FIZIKA TVERDOGO TELA 28(6), 1683-1689 (1986)
245. BALASHOVA, EV; LEMANOV, VV; SHERMAN, AB; TIKHODEEV, YS.



- SCATTERING OF RAYLEIGH-WAVES IN POLYCRYSTAL  $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{TiO}_3$  FILMS  
PISMA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 12(6), 321-325 (1986)
246. KANDIDOVA, OV; LEMANOV, VV; SUKHAREV, BV.  
ASYMMETRIC PHOTOINDUCED LIGHT-SCATTERING IN  $\text{LiNbO}_3$ -FE CRYSTALS  
FIZIKA TVERDOGO TELA 28(3), 762-766 (1986)
247. ESAYAN, SK; LEMANOV, VV; MAKSIMOV, AY.  
PHOTOGALVANIC CURRENT IN THE INCOMMENSURATE PHASE IN  $\text{Ba}_2\text{NaNb}_5\text{O}_{15}$   
FERROELECTRICS LETTERS SECTION 4(1), 1-5 (1985)
248. DOBROVLSKII, AA; LEMANOV, VV; MAKARENKO, VA; SHERMAN, AB.  
MAGNETIC-FIELD EFFECT ON SURFACE ACOUSTIC-WAVE ATTENUATION IN PIEZOELECTRICS DUE TO INTERACTION  
WITH GAS-DISCHARGE PLASMA  
FIZIKA TVERDOGO TELA 27(3), 936-937 (1985)
249. ESAYAN, SK; IVCHENKO, EL; LEMANOV, VV; MAKSIMOV, AY.  
ANISOTROPIC PHOTOCONDUCTIVITY IN FERROELECTRICS  
JETP LETTERS 40(11), 1290-1292 (1984)
250. BALASHOVA, EV; LEMANOV, VV; SHERMAN, AB.  
ACOUSTICAL STUDY OF THE PHASE-TRANSITION IN  $\text{SrTiO}_3$  SURFACE-LAYERS  
FERROELECTRICS LETTERS SECTION 2(2), 89-92 (1984)
251. ESAYAN, SK; LEMANOV, VV; MAKSIMOV, AY.  
PHOTOVOLTAIC EFFECT IN FERROELECTRIC  $\text{Pb}_5\text{Ge}_3\text{O}_{11}$   
FERROELECTRICS LETTERS SECTION 2(2), 93-96 (1984)
252. ARUTUNYAN, AM; ESAYAN, SK; LEMANOV, VV.  
OPTICAL 2ND HARMONIC STUDY OF THE INCOMMENSURATE PHASE IN  $\text{K}_2\text{SeO}_4$  AND  $(\text{NH}_4)_2\text{BeF}_4$  CRYSTALS  
FERROELECTRICS LETTERS SECTION 2(3), 119-122 (1984)
253. ESAYAN, SK; LEMANOV, VV; MAKSIMOV, AY.  
PHOTOGALVANIC EFFECTS IN  $\text{Pb}_5\text{Ge}_3\text{O}_{11}$  FERROELECTRICS  
FIZIKA TVERDOGO TELA 26(3), 655-658 (1984)
254. LEMANOV, VV; BRZHEZINA, B; ESAYAN, SK; KARAEV, A.  
DIELECTRIC PERMEABILITY OF  $\text{K}_2\text{SeO}_4$  AT PHASE-TRANSITION FROM INCOMMENSURATE TO POLAR PHASE  
FIZIKA TVERDOGO TELA 26(5), 1331-1333 (1984)
255. KOLESOV, AE; KUPTSOV, AD; LAZAREV, MV; LEMANOV, VV; RYZHEVNIN, VN; SUKHAREV, BV.  
OPTICAL BISTABILITY IN THE HYBRID DEVICE BASED ON THE INTEGRAL-OPTICAL SWITCH WITH THE  
ELECTROOPTICAL MIRROR  
PISMA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 10(17), 1042-1045 (1984)
256. KANDIDOVA, OV; LEMANOV, VV; SUKHAREV, BV.  
SELF-DIFFRACTION OF LIGHT IN WAVEGUIDES FROM LITHIUM-NIOBATE  
ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 54(9), 1748-1754 (1984)
257. SHERMAN, AB; DOBROVLSKII, AA; LEMANOV, VV; MAKARENKO, VA.  
SURFACE ACOUSTIC-WAVE ATTENUATION IN PIEZOELECTRIC-CRYSTALS DUE TO INTERACTION WITH PLASMA OF  
GAS-DISCHARGE  
FIZIKA TVERDOGO TELA 26(11), 3373-3375 (1984)
258. LEMANOV, VV; MALAMED, ER; SKVORTSOV, YS; YUSHIN, NK; YAKHKIND, EZ.  
SYSTEMS FOR MEASURING LINEAR TRANSLATION WITH ACOUSTOOPTIC MODULATORS  
PISMA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 10(6), 330-334 (1984)
259. DOBROVLSKII, AA; LEMANOV, VV; MAKARENKO, VA; MARTSINOVSKII, AM; SHERMAN, AB.  
DAMPING OF SURFACE ACOUSTIC-WAVES IN PIEZOELECTRICS DURING THE INTERACTION WITH GAS-DISCHARGE  
PLASMA  
PISMA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКИ 10(6), 371-374 (1984)
260. LEMANOV, V.V.; KIM, V.S.; NASYROV, A.N.  
ACOUSTIC ATTENUATION SURFACES OF CUBIC CRYSTALS  
SOVIET PHYSICS - SOLID STATE 26(4), 618 (1984)
261. BALASHOVA, EV; LEMANOV, VV; SHERMAN, AB.  
SAW DETERMINATION OF D<sub>4H</sub> LAYER ON THE SURFACE OF  $\text{SrTiO}_3$   
FERROELECTRICS LETTERS SECTION 44(10), 301-306 (1983)
262. ESAYAN, SK; LEMANOV, VV; ARUTUNYAN, AM; IOFFE, AF.  
OPTICAL SECOND-HARMONIC GENERATION IN  $\text{LiNbO}_3$  CRYSTALS INDUCED BY A PHOTO-VOLTAIC GRATING  
FERROELECTRICS LETTERS SECTION 1(1), 13-18 (1983)

263. ESAYAN, SK; LEMANOV, VV.  
ULTRASOUND INVESTIGATIONS OF DISPROPORTIONATE PHASE-TRANSITIONS IN FERROELECTRICS  
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 47(3), 591-597 (1983)
264. DANISHEVSKII, AM; ESAYAN, SK; LEMANOV, VV; MAKSIMOV, AY.  
LINEAR PHOTOGALVANIC EFFECT IN SIC  
FIZIKA TVERDOGO TELA 25(9), 2861-2863 (1983)
265. LEMANOV, V.V.; SUKHAREV, B.V..  
PYROELECTRIC AND PHOTOGALVANIC EFFECTS IN PLANAR LITHIUM NIOBATE OPTICAL WAVEGUIDES  
SOVIET TECHNICAL PHYSICS LETTERS 9(4), 218 (1983)
266. VASILENKO, P.G.; DUBROVSKAYA, I.M.; LAZAREV, M.V.; LEMANOV, V.V.; RYZHEVNIN, V.N.; SUKHAREV, B.V..  
SWITCHING OF LIGHT AT AN ELECTROOPTIC MIRROR IN INTERSECTING CHANNEL WAVEGUIDES  
SOVIET TECHNICAL PHYSICS LETTERS 9(6), 312 (1983)
267. KANDIDOVA, O.V.; LEMANOV, V.V.; SUKHAREV, B.V..  
HOLOGRAM WRITING IN LITHIUM NIOBATE PLANAR LIGHTGUIDES  
SOVIET TECHNICAL PHYSICS LETTERS 9(7), 335 (1983)
268. ARUTYUNYAN, AM; BRZHEZINA, B; ESAYAN, SK; LEMANOV, VV.  
2ND OPTICAL HARMONIC-GENERATION AT INCOMMENSURATE PHASE-TRANSITION IN K<sub>2</sub>SEO<sub>4</sub> CRYSTALS  
FIZIKA TVERDOGO TELA 24(5), 1434-1437 (1982)
269. LEMANOV, V.V.; ILISAVSKY, YU.V..  
PIEZOELECTRICITY AND ACOUSTOELECTRONICS  
FERROELECTRICS 42(1-4), 77 (1982)
270. SMOLENSKII, GA; LEMANOV, VV; SHERMAN, AB; DOBROVOLSKII, AA; GALPERIN, YM; KOZUB, VP.  
ACOUSTO-ELECTRON INTERACTION IN THE SYSTEM OF PIEZOELECTRICS-SECONDARY ELECTRONS  
USPEKHI FIZICHESKIKH NAUK 134(1), 167-168 (1981)
271. LEMANOV, VV.  
NOVEL APPLICATIONS OF PIEZOELECTRIC AND FERROELECTRIC-CRYSTALS IN ACOUSTOELECTRIC PHENOMENA  
FERROELECTRICS 35(1-4), 123-130 (1981)
272. LEMANOV, VV; ESAYAN, SK; CHAPELLE, JP.  
ULTRASOUND STUDIES OF PHASE-TRANSITION IN HG<sub>2</sub>BR<sub>2</sub> CRYSTALS  
FIZIKA TVERDOGO TELA 23(1), 262-270 (1981)
273. ESAYAN, SK; LEMANOV, VV; MAMATKULOV, N.  
ULTRASOUND STUDY OF PHASE-TRANSITIONS IN NANO<sub>2</sub> CRYSTALS  
FIZIKA TVERDOGO TELA 23(7), 2048-2051 (1981)
274. EGOROV, VM; ESAYAN, SK; LEMANOV, VV; POLKHOVSKAYA, TM.  
SPECIFIC-HEAT OF TERBIUM MOLYBDENUM CRYSTALS IN THE PHASE-TRANSITION REGION  
FIZIKA TVERDOGO TELA 23(8), 2482-2484 (1981)
275. LEMANOV, VV; ESAYAN, SK; MAKSIMOV, AY; GABRIELIAN, VT.  
CIRCULAR PHOTO-VOLTAIC EFFECT IN THE FERROELECTRIC PB<sub>5</sub>GE<sub>3</sub>O<sub>11</sub>  
JETP LETTERS 34(8), 423-425 (1981)
276. ESAYAN, SK; LEMANOV, VV; MAMATKULOV, N; SHUVALOV, LA.  
ACOUSTIC STUDIES OF RBH<sub>3</sub>(SEO<sub>3</sub>)<sub>2</sub> CRYSTALS IN THE REGION OF PHASE-TRANSITIONS  
KRISTALLOGRAFIYA 26(5), 1086-1093 (1981)
277. SMOLENSKY, GA; LEMANOV, VV; SHERMAN, AB.  
NEW ACOUSTIC-ELECTRONIC METHODS OF PROCESSING SIGNALS  
VESTNIK AKADEMII NAUK SSSR (9), 20-28 (1981)
278. SMOLENSKII, GA; LEMANOV, VV; SOTNIKOV, AV; SYRNIKOV, PP; IUSHIN, NK.  
PIEZOELECTRIC EXCITATION OF ELASTIC-WAVES IN A CENTROSYMMETRIC CRYSTAL OF POTASSIUM TANTALATE  
DOKLADY AKADEMII NAUK SSSR 260(3), 605-607 (1981) DOBROVOLSKY, AA; LEMANOV, VV; SHERMAN, AB;  
GALPERIN, YM; KOZUB, VI.  
NON-LINEAR INTERACTION OF SAWS IN PIEZOELECTRIC-CRYSTALS WITH SECONDARY ELECTRONS  
ELECTRONICS LETTERS 16(7), 243-244 (1980)
279. SHERMAN, AB; DOBROVOLSKY, AA; LEMANOV, VV.  
NON-LINEAR ACOUSTOELECTRO-LUMINESCENCE  
ELECTRONICS LETTERS 16(1), 37-38 (1980)
280. DYAKONOV, AM; LEMANOV, VV; SATTIKULOV, M.  
EXCITATION AND AMPLIFICATION OF ELASTIC-WAVES IN LEAD MOLYBDATE CRYSTALS UNDER ACTION OF  
POWERFUL LASER-RADIATION

- FIZIKA TVERDOGO TELA 22(2), 353-358 (1980)
281. DYAKONOV, AM; LEMANOV, VV; SATTIKULOV, MS.  
STIMULATED MANDELSHTAM-BRILLOUIN SCATTERING IN CDS CRYSTALS DUE TO BUILDUP OF ACOUSTIC PHONONS  
JETP LETTERS 31(8), 430-434 (1980)
282. BALASHOVA, EV; DOBROVLSKII, AA; LEMANOV, VV; SHERMAN, AB; GALPERIN, YM; KOZUB, VI.  
NON-LINEAR INTERACTION OF SURFACE ACOUSTICAL WAVES WITH ELECTRON-BEAMS  
FIZIKA TVERDOGO TELA 21(10), 3086 (1979)
283. AGISHEV, BA; LAIKHTMAN, BD; LEMANOV, VV; POLKHOVSKAYA, TM; YUSHIN, NK.  
ELECTROACOUSTIC COEFFICIENTS OF GADOLINIUM AND TERBIUM MOLYBDATE CRYSTALS IN THE REGION OF PHASE-TRANSITION  
FIZIKA TVERDOGO TELA 21(1), 142 (1979)
284. DOBROVLSKY, AA; LEMANOV, VV; SMOLENSKY, GA; SHERMAN, AB.  
SAW CONVOLVER USING SECONDARY ELECTRONS  
ELECTRONICS LETTERS 15(14), 437 (1979)
285. BALASHOVA, E.V.; LEMANOV, V.V.; SHERMAN, A.B.; TRUSOV, L.I..  
INTERACTION OF SURFACE ACOUSTIC WAVES WITH A POWDER  
SOVIET TECHNICAL PHYSICS LETTERS 5(6), 264 (1979)
286. LEMANOV, V.V.; PETROV, A.V.; AKHMEDZHANOV, F.R.; NASYROV, A.N..  
DAMPING OF ELASTIC WAVES IN IMPURE CRYSTALS  
SOVIET PHYSICS - SOLID STATE 21(12), 2117 (1979)
287. AGISHEV, B.A.; ESAYAN, S.KH.; LEMANOV, V.V.; POLKHOVSKAYA, T.M..  
TEMPERATURE DEPENDENCES OF THE ATTENUATION AND VELOCITY OF ELASTIC WAVES IN TERBIUM MOLYBDATE NEAR THE PHASE TRANSITION POINT  
SOVIET PHYSICS - SOLID STATE 20(11), 2012 (1978)
288. ESAYAN, SK; LAIKHTMAN, BD; LEMANOV, VV; MAMATKULOV, N.  
NON-LINEAR ELASTIC PROPERTIES OF TERBIUM MOLYBDATE CRYSTALS IN REGION OF PHASE-TRANSITION  
FIZIKA TVERDOGO TELA 20(9), 2823 (1978)
289. AGISHEV, BA; LEMANOV, VV; YUSHIN, NK.  
ELECTROACOUSTIC COEFFICIENTS OF LITHIUM TANTALATE AND NIOBATE CRYSTALS  
FIZIKA TVERDOGO TELA 20(9), 2819 (1978)
290. AGISHEV, BA; ESAYAN, SK; LEMANOV, VV; POLKHOVSKAYA, TM.  
TEMPERATURE-DEPENDENCE OF ATTENUATION AND VELOCITY OF ELASTIC-WAVES IN TERBIUM MOLYBDATE IN REGION OF PHASE-TRANSITION  
FIZIKA TVERDOGO TELA 20(11), 3480 (1978)
291. AVDONIN, VY; LEMANOV, VV; YUSHIN, NK.  
RELAXATION ATTENUATION OF ELASTIC-WAVES IN GAMMA-IRRADIATED NAF CRYSTALS  
FIZIKA TVERDOGO TELA 20(4), 1100 (1978)
292. ESAYAN, S.KH.; LAIKHTMAN, B.D.; LEMANOV, V.V.; MAMATKULOV, N..  
NONLINEAR ELASTIC PROPERTIES OF TERBIUM MOLYBDATE CRYSTALS NEAR THEIR PHASE TRANSITION  
SOVIET PHYSICS - SOLID STATE 20(9), 1632 (1978)
293. AKHMEDZHANOV, F.R.; LEMANOV, V.V.; NASYROV, A.N.; PETROV, A.V..  
DAMPING OF ELASTIC WAVES IN AN NAFL CRYSTAL WITH MANGANESE IMPURITY  
SOVIET TECHNICAL PHYSICS LETTERS 4(9), 432 (1978)
294. BRYZHINA, MF; ESAYAN, SK; LEMANOV, VV.  
INVESTIGATION OF ACOUSTIC ACTIVITY IN CRYSTALS BY METHOD OF BRAGG REFLECTION OF LIGHT  
JETP LETTERS 25(11), 483 (1977)
295. SHAKIN, O.V.; KUZIN, A.G.; KULAKOV, S.V.; LEMANOV, V.V.; PIKARNIKOV, V.P.; SINYAKOV, E.V.; AKIMOV, S.V.; LAZOVSKII, M.YU.; LESNIKOV, I.V.; NARYSHKIN, N.F..  
PBM004 AS AN ACOUSTOOPTIC MODULATOR FOR TV SYSTEMS  
PIS'MA V ZHURNAL TEKHNIЧЕСКОИ ФИЗИКА 3(11), 494 (1977)
296. LEMANOV, V.V.; SUKHAREV, B.V..  
ACOUSTOOPTIC INTERACTION IN ANISOTROPIC PLANAR OPTICAL WAVEGUIDES  
SOVIET PHYSICS - SOLID STATE 18(11), 2071 (1977)
297. AGISHEV, B.A.; DERYUGIN, I.A.; LEMANOV, V.V.; YUSHIN, N.K..  
ELECTROACOUSTIC INTERACTION IN PIEZOELECTRICS  
SOVIET PHYSICS - SOLID STATE 18(4), 638 (1976)

298. LEMANOV, VV; SUKHAREV, BV.  
ACOUSTOOPTICAL INTERACTION IN ANISOTROPIC PLANAR LIGHTGUIDE  
FIZIKA TVERDOGO TELA 18(11), 3553 (1976)
299. YUSHIN, N.K.; AGISHEV, B.A.; DERYUGIN, I.A.; LEMANOV, V.V..  
NONDEGENERATE ELECTRO-ACOUSTIC INTERACTION IN LITHIUM NIOBATE  
PIS'MA V ZHURNAL TEKHNICHESKOI FIZIKA 2(13), 615 (1976)
300. KRAINIK, N.N.; LEMANOV, V.V.; POPOV, S.N.; SMOLENSKII, G.A..  
PHONON ECHO IN CRYSTALLINE POWDERS  
SOVIET PHYSICS - SOLID STATE 17(8), 1635 (1976)
301. SHERMAN, A.B.; BALASHOVA, E.V.; DOBROVOL'SKII, A.V.; LEMANOV, V.V.; TRUSOV, L.I..  
INTERACTION OF A SURFACE ELASTIC WAVE WITH AN ELECTRON BEAM IN QUARTZ CRYSTALS  
PIS'MA V ZHURNAL TEKHNICHESKOI FIZIKA 1(24), 1108 (1975)
302. ESAYAN, SK; LAIKHTMAN, BD; LEMANOV, VV.  
ELASTIC AND PHOTOELASTIC PROPERTIES OF GADOLINIUM MOLYBDATE CRYSTALS NEAR A PHASE-TRANSITION  
ZHURNAL EKSPERIMENTALNOI I TEORETICHESKOI FIZIKI 68(2), 689 (1975)
303. SMOLENSKII, GA; KRAINIK, NN; LEMANOV, VV; POPOV, SN.  
PHYSICAL-PROPERTIES OF MONOCRYSTALS .2. ELECTROACOUSTIC ECHO IN FERROELECTRICS  
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 39(5), 965 (1975)
304. ESAYAN, SK; LEMANOV, VV; SMOLENSK.GA.  
REFLECTION AND REFRACTION OF ELASTIC-WAVES AT DOMAIN BOUNDARIES IN FERROELECTRIC CRYSTAL,  
GD<sub>2</sub>(MOO<sub>4</sub>)<sub>3</sub>  
DOKLADY AKADEMII NAUK SSSR 217(1), 83 (1974)
305. LEMANOV, VV.  
ACOUSTOOPTICAL STUDY OF FERROELECTRIC-CRYSTALS  
FERROELECTRICS 7(1-4), 11 (1974)
306. YUSHIN, NK; LEMANOV, VV; AGISHEV, BA.  
PHONON ECHO IN LITHIUM-NIOBATE SINGLE-CRYSTALS  
FIZIKA TVERDOGO TELA 16(9), 2789 (1974)
307. YUSHIN, NK; GRISHMAN.AN; LEMANOV, VV.  
INTERACTION OF CONTRARY ORIENTED ELASTIC-WAVES IN YTTRIUM FERRITE-GARNET  
FIZIKA TVERDOGO TELA 16(5), 1569 (1974)
308. ESAYAN, SK; BAGDASAR.KS; LEMANOV, VV; POLKHOVS.TM; SHUVALOV, LA.  
LIGHT-SCATTERING ON ELASTIC-WAVES IN GADOLINIUM MOLIBDATE CRYSTALS  
FIZIKA TVERDOGO TELA 16(1), 143 (1974)
309. GRISHMANOVSKII, AN; LEMANOV, VV; SMOLENSK.GA; BALBASHO.AM; CHERVONE.AY.  
PIEZOMAGNETIC AND MAGNETOELASTIC EFFECTS WHEN ELASTIC-WAVES PROPAGATING IN CRYSTALS OF  
ORTHO-FERRITES  
FIZIKA TVERDOGO TELA 16(5), 1426 (1974)
310. LEMANOV, VV; SMOLENSKII, GA.  
NONLINEAR EFFECTS IN PROPAGATION OF HIGH-FREQUENCY ELASTIC-WAVES IN CRYSTALS  
SOVIET PHYSICS ACOUSTICS-USSR 20(3), 259 (1974)
311. ESAYAN, SK; LEMANOV, VV; REZ, IS; SHAKIN, OV.  
PHOTOELASTIC PROPERTIES OF PROUSTITE  
FIZIKA TVERDOGO TELA 15(3), 907 (1973)
312. LEMANOV, VV; YUSHIN, NK.  
NONLINEAR PHENOMENA DUE TO PROPAGATION OF ELASTIC-WAVES IN PIEZOELECTRIC CRYSTALS  
FIZIKA TVERDOGO TELA 15(11), 3206 (1973)
313. LEMANOV, V.V.; YUSHIN, N.K..  
GENERATION OF HARMONICS OF TRANSVERSE ELASTIC WAVES IN CRYSTALS  
SOVIET PHYSICS - SOLID STATE 14(8), 2053 (1973)
314. GRISHMANOVSKII, A.N.; LEMANOV, V.V.; SMOLENSKII, G.A.; SYRNIKOV, P.P..  
INTERACTION OF TRANSVERSE ELASTIC WAVES WITH SPIN WAVES IN THE UNIAXIAL FERROMAGNET RBNIF<sub>3</sub>  
SOVIET PHYSICS - SOLID STATE 14(8), 2050 (1973)
315. LEMANOV, VV; SHAKIN, OV.  
LIGHT-SCATTERING ON ELASTIC-WAVES IN UNIAXIAL CRYSTALS  
FIZIKA TVERDOGO TELA 14(1), 229 (1972)
316. LEMANOV, VV; SMOLENSK.GA.

HYPERSONIC WAVES IN CRYSTALS

USPEKHI FIZICHESKIKH NAUK 108(3), 465 (1972)

317. AVDONIN, V.YA.; LEMANOV, V.V.; SMIRNOV, I.A.; TIKHONOV, V.V..  
ELASTIC WAVE DAMPING IN CUBIC CRYSTALS ACCORDING TO THE AKHIEZER MECHANISM  
SOVIET PHYSICS - SOLID STATE 14(3), 747 (1972)
318. GRISHMANOVSKII, AN; SYRNIKOV, PP; SMOLENSK.GA; LEMANOV, VV.  
INTERACTION OF SHEAR ELASTIC WAVES WITH SPIN-WAVES IN RBNIF<sub>3</sub> UNUNIAXIAL FERRIMAGNET  
FIZIKA TVERDOGO TELA 14(8), 2369 (1972)
319. LEMANOV, VV; PAVLENKO, AV; GRISHMAN.AN.  
INTERACTION BETWEEN ELASTIC AND SPIN WAVES IN YTTRIUM IRON GARNET CRYSTALS  
SOVIET PHYSICS JETP-USSR 32(3), 389 (1971)
320. GRISHMAN.AN; YUSHIN, NK; BOGDANOV, VL; LEMANOV, VV.  
ELASTIC NONLINEARITY OF YTTRIUM IRON GARNET  
SOVIET PHYSICS SOLID STATE,USSR 13(6), 1537 (1971)
321. LEMANOV, VV; SHAKIN, OV; SMOLENSK.GA.  
LIGHT SCATTERING BY ULTRASONIC WAVES IN LITHIUM NIOBATE CRYSTALS  
SOVIET PHYSICS SOLID STATE,USSR 13(2), 426 (1971)
322. SHERMAN, A.B.; VAIDA, D.; VELICHKO, I.A.; GUTNER, O.S.; LEMANOV, V.V..  
LANDAU-KHALATNIKOV DAMPING IN KD<sub>2</sub>PO<sub>4</sub> CRYSTALS  
FIZIKA TVERDOGO TELA 13(12), 3716 (1971)
323. SHERMAN, AB; LEMANOV, VV.  
ABSORPTION OF ELASTIC WAVES IN REDUCED LINBO<sub>3</sub>  
SOVIET PHYSICS SOLID STATE,USSR 13(6), 1413 (1971)
324. SHAKIN, O.V.; BRYZHINA, M.F.; LEMANOV, V.V..  
PHOTOELASTIC CONSTANTS OF ALKALINE-EARTH FLUORIDES  
FIZIKA TVERDOGO TELA 13(12), 3714 (1971)
325. LEMANOV, V.V.; PAVLENKO, A.V.; GRISHMANOVSKII, A.N..  
INTERACTION BETWEEN ELASTIC AND SPIN WAVES IN YTTRIUM FERRITE GARNET CRYSTALS  
ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI 59(3), 712 (1970)
326. PAVLENKO, AV; YAKOVLEV, YM; LEMANOV, VV.  
ACOUSTICAL FARADAY AND BIREFRINGENCE EFFECTS IN Y<sub>3</sub>FE<sub>5</sub>O<sub>12</sub> UNDER CONDITIONS OF A UNIFORM  
INTERNAL MAGNETIC FIELD  
SOVIET PHYSICS SOLID STATE,USSR 11(11), 2673 (1970)
327. KHASHKHOZHEV, Z.M.; LEMANOV, V.V.; PISAREV, R.V..  
MANDEL'SHTAM-BRILLOUIN SCATTERING OF LIGHT IN OPTICALLY ACTIVE CRYSTALS  
FIZIKA TVERDOGO TELA 12(9), 2592 (1970)
328. LEMANOV, VV; SMOLENSK.GA; SHERMAN, AB.  
TEMPERATURE DEPENDENCE OF ELASTIC WAVE ATTENUATION IN LITHIUM NIOBATE CRYSTALS  
SOVIET PHYSICS SOLID STATE,USSR 11(3), 524 (1969)
329. LEMANOV, V.V.; PAVLENKO, A.V..  
NATURAL MAGNETOELASTIC RESONANCE IN FERRITE GARNETS  
ZHURNAL EKSPERIMENTAL'NOI I TEORETICHESKOI FIZIKI 57(5), 1528 (1969)
330. LEMANOV, VV; LEBED, BM; PAVLENKO, AV.  
SEQUENCE OF MAGNETOELASTIC PULSES DURING MAGNETIC EXCITATIONS OF YTTRIUM IRON GARNET  
SOVIET PHYSICS SOLID STATE,USSR 11(3), 677 (1969)
331. BOGDANOV, V.L.; LEMANOV, V.V..  
QUADRUPOLE RELAXATION AND CHEMICAL SHIFT IN AIII<sub>2</sub>BV CRYSTALS  
FIZIKA TVERDOGO TELA 10(1), 286 (1968)
332. BOGDANOV, VL; LEMANOV, VV; KLYUEV, VP; FEDULOV, SA.  
NUCLEAR MAGNETIC RESONANCE IN LITHIUM NIOBATE CRYSTALS  
SOVIET PHYSICS SOLID STATE,USSR 10(4), 886 (1968)
333. ZHDANOVA, VV; KLYUEV, VP; LEMANOV, VV; SMIRNOV, IA; TIKHONOV, VV.  
THERMAL PROPERTIES OF LITHIUM NIOBATE CRYSTALS  
SOVIET PHYSICS SOLID STATE,USSR 10(6), 1360 (1968)
334. BOGDANOV, VL; LEMANOV, VV.  
ELECTRIC FIELD GRADIENTS AT ATOMIC NUCLEI IN ELASTICALLY DEFORMED A<sub>3</sub> BV-TYPE CRYSTALS  
SOVIET PHYSICS SOLID STATE,USSR 10(1), 159 (1968)

335. BOGDANOV, VL; LEMANOV, VV.  
QUADRUPOLE RELAXATION AND CHEMICAL SHIFT IN A3 BV CRYSTALS  
SOVIET PHYSICS SOLID STATE,USSR 10(1), 223 (1968)
336. BOGDANOV, VL; LEMANOV, VV.  
EXPERIMENTAL DETERMINATION OF RELATIONSHIP BETWEEN INTRACRYSTALLINE ELECTRIC FIELD GRADIENT AT  
NUCLEUS AND ELASTIC DEFORMATION OF LATTICE IN CUBIC CRYSTALS NAF NAFL AND KCL  
SOVIET PHYSICS SOLID STATE,USSR 9(2), 357 (1967)
337. KORNFEL'D, M.I.; LEMANOV, V.V..  
COMPENSATION OF DIVALENT METALLIC IMPURITIES IN ALKALI-HALIDE CRYSTALS  
FIZIKA TVERDOGO TELA 7(7), 2249 (1965)
338. LEMANOV, VV; SMIRNOV, IA.  
THERMAL CONDUCTIVITY OF NAFL SINGLE CRYSTALS CONTAINING CA IMPURITIES  
SOVIET PHYSICS-SOLID STATE 4(9), 1914 (1963)
339. KORNFELD, MI; LEMANOV, VV.  
DEFORMATION OF THE NAFL LATTICE BY AG+, BR-, AND K+ IMPURITY IONS  
SOVIET PHYSICS JETP-USSR 14(5), 1038 (1962)
340. LEMANOV, VV.  
NUCLEAR MAGNETIC RESONANCE IN ELASTICALLY DEFORMED ROCK SALT  
SOVIET PHYSICS JETP-USSR 13(3), 543 (1961)