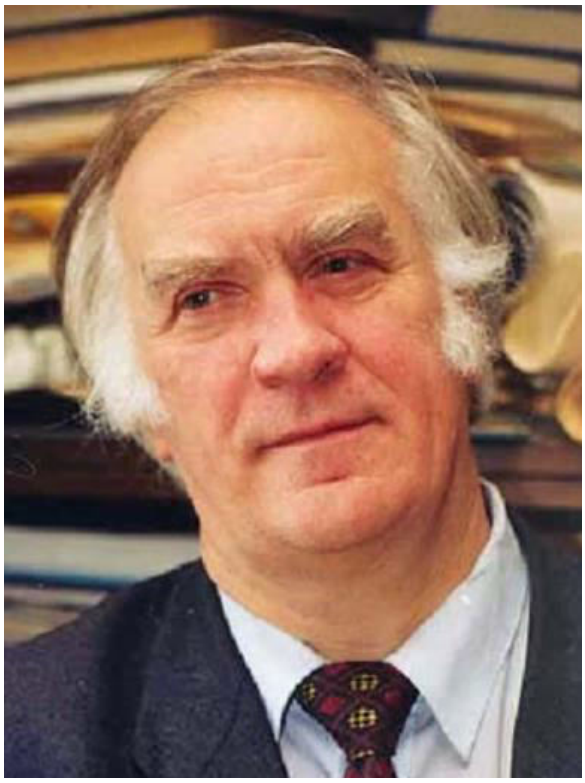
Виталий Васильевич Михайлин



20 апреля 1935 г. – 14 октября 2013 г.

После тяжелой болезни ног и сердечно-сосудистой системы скончался президент Российского физического общества, заслуженный профессор МГУ **Виталий Васильевич Михайлин**. На церемонию прощания с Виталием Васильевичем в здание физического факультета МГУ 17 октября пришло свыше трехсот человек. Похоронен Михайлин на Хованском кладбище.

Виталий Васильевич родился 20 апреля 1935 года в Москве в семье служащих. Отец Василий Тимофеевич Михайлин — инженер — энергетик, работал в Комитете по мирному использованию атомной энергии СССР. Мать Надежда Евдокимовна Михайлина — стоматолог. Братья — Станислав и Геннадий, оба инженеры. Будучи совсем молодым парнишкой, Виталий, гоняя с дворовыми ребятишкам футбольный мяч, не рассчитав свои силы, высоко, выше голов забросил его. Мяч перелетел через ограду заброшенного кладбища и упал на чью-то могилу. Виталий, раздвинув кусты, прочел на надгробье надпись: «Здесь покоится профессор Московского университета». Его это так поразило, что в тот самый момент он твёрдо решил, что тоже станет профессором МГУ.

В 1953-ем году окончил с серебряной медалью 7-ую среднюю школу Москвы, в этом же году поступил на философский факультет МГУ, а в 1954-ом году перешел на физический факультет, который окончил в 1960-ом году. Был оставлен в аспирантуре на кафедре оптики и спектроскопии.

Под руководством профессора Леонида Вадимовича Левшина занимался исследованием люминесценции щелочноземельных фосфоров. В 1966-ом году защитил кандидатскую диссертацию на тему — «Поглощение, свечение и стимулированное свечение щелочноземельных сульфидов».

Одновременно занимался приборостроением. Им с соавторами был создан сканирующий спектрофотометр СКФ–1, за что в 1967 году был удостоен Вавиловской премии. В 1967 году совместно с О.Ф. Куликовым создал первый в стране спектроскопический канал на синхротроне ФИАН. В 1969—1970 годы проходил годичную стажировку на немецком электронном синхротроне ДЭЗИ (Гамбург, ФРГ).

Совместно с М. Скибовским и Э. Кохом на синхротроне ДЭЗИ создал установку для люминесцентных исследований при возбуждении синхротронным излучением (СИ). Тогда же на этой установке им были измерены оптические характеристики ряда щелочноземельных соединений и на основании полученных результатов были рассчитаны совместно с соавторами их зонные структуры.

По возвращении из Германии в 1971 году выступил на Президиуме АН СССР с анализом развития работ по применению СИ в различных областях современной науки и с предложением по созданию источников СИ в стране.

С 1972 года — Михайлин заместитель председателя Комиссии по СИ при Президиуме АН СССР.

С 1973 года он и его сотрудники работают на источниках СИ в Институте ядерной физики СО АН СССР в Новосибирске. С первого дня работы Курчатовского источника СИ (1984) группа Михайлина ведет на нем исследования взаимодействия СИ с веществом. В частности, при исследовании высокоэнергетического возбуждения люминесценции кристаллов СИ установлено постоянство энергетического выхода люминесценции при энергиях выше 3-4 ширин запрещенной зоны. Установлены корреляции в спектре возбуждения на порогах поглощения кристаллофосфоров, исследованы механизмы люминесценции сцинтилляторов, применяемых в физике высоких энергий и медицине.

Михайлин участвовал в первых экспериментах по ондуляторному излучению и проверке его квазимонохроматичности на синхротроне ФИАН «Пахра». По итогам этих работ в 1990 году защитил докторскую диссертацию на тему «Спектроскопия широкощелевых кристаллофосфоров с применением синхротронного излучения».

В 2000 году Виталий Васильевич, А.Н. Васильев, И.А. Каменских удостоены Ломоносовской премии МГУ второй степени за цикл работ по применению СИ в спектроскопии твердого тела.

Подготовил около тридцати кандидатов и нескольких докторов наук. Опубликовал более 300 научных работ.

Виталий Михайлин один из инициаторов возрождения Физического общества в России. Член физического общества СССР (1989), президент Российского физического общества (1991), член Немецкого физического общества (1969), член Совета Европейского общества синхротонного излучения (1993), вице–президент Союза научных обществ России (1993), действительный член Международной академии наук высшей школы (1997), председатель докторского совета Д.501.001.45.

Источник:

http://epizodsspace.airbase.ru/bibl/digest/2013/digest-042.pdf

Список основных научных публикаций В.В. Михайлина

1. LEVUSHKINA, VS; MIKHAILIN, VV; SPASSKY, DA; ZADNEPROVSKI, BI; TRET'YAKOVA, MS.
   LUMINESCENCE PROPERTIES OF SOLID SOLUTIONS OF BORATES DOPED WITH RARE-EARTH IONS
   PHYSICS OF THE SOLID STATE 56(11), 2247-2258 (2014)
2. SPASSKY, D; OMELKOV, S; MAGI, H; MIKHAILIN, V; VASIL'EV, A; KRUTYAK, N; TUPITSYNA, I; DUBOVIK, A; YAKUBOVSKAYA, A; BELSKY, A.
   ENERGY TRANSFER IN SOLID SOLUTIONS ZNXMG1-XWO4
   OPTICAL MATERIALS 36(10), 1660-1664 (2014)
3. MIKHAILIN, V. V.; ZHUKOVSKY, K. V.; KUDYUKOVA, A. I..
   ON THE RADIATION OF A PLANAR UNDULATOR WITH CONSTANT MAGNETIC FIELD ON ITS AXIS TAKEN INTO ACCOUNT
   JOURNAL OF SURFACE INVESTIGATION 8(3), 422 (2014)
4. KRUTYAK, NR; MIKHAILIN, VV; VASIL'EV, AN; SPASSKY, DA; TUPITSYNA, IA; DUBOVIK, AM; GALASHOV, EN; SHLEGEL, VN; BELSKY, AN.
   THE FEATURES OF ENERGY TRANSFER TO THE EMISSION CENTERS IN ZNWO4 AND ZNWO4:MO
   JOURNAL OF LUMINESCENCE 144, 105-111 (2013)
5. SPASSKY, DA; NAGIRNYI, V; MIKHAILIN, VV; SAVON, AE; BELSKY, AN; LAGUTA, VV; BURYI, M; GALASHOV, EN; SHLEGEL, VN; VORONINA, IS; ZADNEPROVSKI, BI.
   TRAP CENTERS IN MOLYBDATES
   OPTICAL MATERIALS 35(12), 2465-2472 (2013)
6. SPASSKY, DA; LEVUSHKINA, VS; MIKHAILIN, VV; ZADNEPROVSKI, BI; TRET'YAKOVA, MS.
   LUMINESCENCE OF BORATES WITH YTTRIUM AND LUTETIUM CATIONS
   PHYSICS OF THE SOLID STATE 55(1), 150-159 (2013)
7. MIKHAILIN, VV.
   SYNCHROTRON AND UNDULATOR RADIATIONS AND THEIR APPLICATIONS IN SPECTROSCOPY
   PHYSICS-USPEKHI 56(4), 412-417 (2013)
8. SPASSKY, D; MIKHAILIN, V; NAZAROV, M; AHMAD-FAUZI, MN; ZHBANOV, A.
   LUMINESCENCE AND ENERGY TRANSFER MECHANISMS IN CAWO4 SINGLE CRYSTALS
   JOURNAL OF LUMINESCENCE 132(10), 2753-2762 (2012)
9. KIRKIN, R; MIKHAILIN, VV; VASIL'EV, AN.
   RECOMBINATION OF CORRELATED ELECTRON-HOLE PAIRS WITH ACCOUNT OF HOT CAPTURE WITH EMISSION OF OPTICAL PHONONS
   IEEE TRANSACTIONS ON NUCLEAR SCIENCE 59(5), 2057-2064 (2012)
10. SPASSKY, DA; MIKHAILIN, VV; SAVON, AE; GALASHOV, EN; SHLEGEL, VN; VASILIEV, YV.
    LOW TEMPERATURE LUMINESCENCE OF ZNMOO4 SINGLE CRYSTALS GROWN BY LOW TEMPERATURE GRADIENT CZOCHRALSKI TECHNIQUE
    OPTICAL MATERIALS 34(11), 1804-1810 (2012)
11. BEZHANOV, VA; KARIMOV, DN; KIRKIN, RV; KOLOBANOV, VN; MIKHAILIN, VV; CHERNOV, SP.
    SPECTRAL LUMINESCENCE PROPERTIES OF CA1-XSRXF2:CE3+ (0 < X < 1) CRYSTALS
    JOURNAL OF SURFACE INVESTIGATION-X-RAY SYNCHROTRON AND NEUTRON TECHNIQUES 6(3), 416-419 (2012)
12. KRUTYAK, NR; MIKHAILIN, VV; SPASSKY, DA; KOLOBANOV, VN; KOSMYNA, MB; NAZARENKO, BP; PUZIKOV, VM; SHEKHOVTSOV, AN.
    LUMINESCENCE OF PBWO4 SINGLE CRYSTALS DOPED WITH FLUORINE
    JOURNAL OF APPLIED SPECTROSCOPY 79(2), 211-218 (2012)
13. UMARKHODGAEV, RM; LIPEROVSKY, VA; MIKHAILIN, VV; BOGDANOV, VV; MEISTER, CV; LIPEROVSKAYA, EV.
    IR SPECTRAL ANALYSIS FOR THE DIAGNOSTICS OF CRUST EARTHQUAKE PRECURSORS
    NATURAL HAZARDS AND EARTH SYSTEM SCIENCES 12(11), 3269-3274 (2012)
14. SAVON, AE; SPASSKY, DA; VASIL'EV, AN; MIKHAILIN, VV.
    NUMERICAL SIMULATION OF ENERGY RELAXATION PROCESSES IN A ZNMOO4 SINGLE CRYSTAL
    OPTICS AND SPECTROSCOPY 112(1), 72-78 (2012)
15. ZHUKOVSKY, KV; MIKHAILIN, VV.
    SYNCHROTRON EFFECTS IN MODERN UNDULATORS-ANALYTICAL ACCOUNT
    PUBLISHER: TRANSWORLD RESEARCH NETWORK, KERALA, INDIA 10, 75 (2012)

16. SPASSKY, DA; VASIL'EV, AN; KAMENSKIKH, IA; MIKHAILIN, VV; SAVON, AE; HIZHNYI, YA; NEDILKO, SG; LYKOV, PA.
ELECTRONIC STRUCTURE AND LUMINESCENCE MECHANISMS IN ZNMOO4 CRYSTALS
JOURNAL OF PHYSICS-CONDENSED MATTER 23(36), - (2011)
17. CHUGUNOVA, MM; KAMENSKIKH, IA; MIKHAILIN, VV; USENKO, SA.
CHARGE TRANSFER LUMINESCENCE KINETICS IN A YAG:YB MONOCRYSTAL AND CERAMICS
MOSCOW UNIVERSITY PHYSICS BULLETIN 66(3), 249-253 (2011)
18. BEZHANOV, VA; ZININ, EI; KARIMOV, DN; MIKHAILIN, VV; CHERNOV, SP.
SPECTROSCOPIC INVESTIGATIONS OF WIDE-BAND FLUORIDE CRYSTALS DOPED WITH IONS OF SOME RARE-EARTH ELEMENTS UNDER X-RAY EXCITATION
JOURNAL OF SURFACE INVESTIGATION-X-RAY SYNCHROTRON AND NEUTRON TECHNIQUES 5(1), 43-47 (2011)
19. LIPEROVSKY, VA; MEISTER, CV; MIKHAILIN, VV; BOGDANOV, VV; UMARKHODGAEV, PM; LIPEROVSKAYA, EV.
ELECTRIC FIELD AND INFRARED RADIATION IN THE TROPOSPHERE BEFORE EARTHQUAKES
NATURAL HAZARDS AND EARTH SYSTEM SCIENCES 11(12), 3125-3133 (2011)
20. CHUGUNOVA, MM; KAMENSKIKH, IA; MIKHAILIN, VV; USENKO, SA.
LUMINESCENCE PROPERTIES OF TRANSPARENT CERAMICS Y3AL5O12:YB
OPTICS AND SPECTROSCOPY 109(6), 887-892 (2010)
21. YAKOVLEV, VG; MIKHAILIN, VV; ROMANENKO, AY; BASOVICH, OM; KHAIKINA, EG.
SPECTRAL-LUMINESCENT PROPERTIES OF LIRBLA2-X EU (X) (MOO4)(4) SOLID SOLUTIONS
MOSCOW UNIVERSITY PHYSICS BULLETIN 65(5), 392-396 (2010)
22. SHAPOCHKIN, GM; MIKHAILIN, VV.
VACUUM ULTRAVIOLET SPECTROSCOPY OF PURE AND CE3+-DOPED NA0.4LU0.6F2.2
JOURNAL OF SURFACE INVESTIGATION-X-RAY SYNCHROTRON AND NEUTRON TECHNIQUES 4(4), 675-677 (2010)
23. MIKHAILIN, VV; SPASSKY, DA; KOLOBANOV, VN; MEOTISHVILI, AA; PERMENOV, DG; ZADNEPROVSKI, BI.
LUMINESCENCE STUDY OF THE LUBO3 AND LUPO4 DOPED WITH RE3+
RADIATION MEASUREMENTS 45(3-6), 307-310 (2010)
24. MIKHAILIN, V. V.; LIPEROVSKY, V. A.; SILINA, A. S.; BOGDANOV, V. V.; MEISTER, C.-V.; LIPEROVSKAYA, E. V.; SHEVTSOV, B. M.; BOGDANOV, V. V..
GENERATION OF ELECTRIC FIELD AND INFRARED RADIATION IN THE TROPOSPHERE BEFORE EARTHQUAKES
PUBLISHER: IKIR FEB RAS, PETROPAVLOVSK-KAMCHATSKY , 402 (2010)
25. LIPEROVSKY, V. A.; UMARKHODJAEV, P. M.; MIKHAILIN, V. V.; BOGDANOV, V. V.; MALTSEV, S. A.; LIPEROVSKAYA, E. V.; KAISIN, A. V.; LEKSINA, E. G..
A METHOD OF SEARCHING FOR EARTHQUAKE PRECURSORS BASED ON REMOTE SENSING OF LOCAL ELECTRIC FIELDS IN THE ATMOSPHERE
SEISMIC INST 64, 272 (2010)
26. BEZHANOV, V; CHERNOV, S; KOLOBANOV, V; KIRKIN, R; MIKHAILIN, V; KARIMOV, D.
VUV-SPECTROSCOPY OF CE3+-DOPED CRYSTALS WITH FLUORITE-TYPE STRUCTURE
11TH EUROPHYSICAL CONFERENCE ON DEFECTS IN INSULATING MATERIALS (EURODIM 2010) 15, - (2010)
27. YAKOVLEV, VG; MIKHAILIN, VV; ROMANENKO, AY; BASOVICH, OM; KHAIKINA, EG.
SPECTRAL-LUMINESCENT PROPERTIES OF AGLA1-X EU (X) (MOO4)(2) SOLID SOLUTIONS
MOSCOW UNIVERSITY PHYSICS BULLETIN 64(5), 519-522 (2009)
28. DATTOLI, G; MIKHAILIN, VV; ZHUKOVSKY, KV.
INFLUENCE OF A CONSTANT MAGNETIC FIELD ON THE RADIATION OF A PLANAR UNDULATOR
MOSCOW UNIVERSITY PHYSICS BULLETIN 64(5), 507-512 (2009)
29. KOLOBANOV, VN; MIKHAILIN, VV; CHERNOV, SP; SPASSKY, DA; MAKHOV, VN; KIRM, M; FELDBACH, E; VIELHAUER, S.
LUMINESCENCE OF SINGLET SELF-TRAPPED EXCITONS IN MGF2
JOURNAL OF PHYSICS-CONDENSED MATTER 21(37), - (2009)
30. SPASSKY, D; VASIL'EV, A; KAMENSKIKH, I; KOLOBANOV, V; MIKHAILIN, V; SAVON, A; IVLEVA, L; VORONINA, I; BEREZOVSKAYA, L.
LUMINESCENCE INVESTIGATION OF ZINC MOLYBDATE SINGLE CRYSTALS
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE 206(7), 1579-1583 (2009)
31. ABDULLIN, S; ABRAMOV, V; ACHARYA, B;… MIKHAILIN, VV…

THE CMS BARREL CALORIMETER RESPONSE TO PARTICLE BEAMS FROM 2 TO 350 GEV/C (VOL 60, PG 359, 2009)
EUROPEAN PHYSICAL JOURNAL C 61(2), 353-356 (2009)

32. SHAPOCHKIN, GM; MIKHAILIN, VV; CHERNOV, SP; KARIMOV, DN.
VUV SPECTROSCOPY OF CE3+-DOPED NA0.4LU0.6F2.2 SINGLE CRYSTALS
MOSCOW UNIVERSITY PHYSICS BULLETIN 64(2), 141-145 (2009)
33. RANDOSHKIN, VV; VASIL'EVA, NV; KOLOBANOV, VN; MIKHAILIN, VV; PETROVNIN, NN; SPASSKII, DA; SYSOEV, NN.
EFFECT OF GD2O3 CONCENTRATION IN BI-CONTAINING HIGH-TEMPERATURE SOLUTIONS ON THE LUMINESCENCE OF EPITAXIAL GD3GA5O12 FILMS
INORGANIC MATERIALS 45(4), 418-422 (2009)
34. SPASSKII, DA; KOLOBANOV, VN; MIKHAILIN, VV; BEREZOVSKAYA, LY; IVLEVA, LI; VORONINA, IS.
LUMINESCENCE PECULIARITIES AND OPTICAL PROPERTIES OF MGMOO4 AND MGMOO4:YB CRYSTALS
OPTICS AND SPECTROSCOPY 106(4), 556-563 (2009)
35. ABDULLIN, S; ABRAMOV, V; ACHARYA, B; ADAM, N;… MIKHAILIN, VV…
THE CMS BARREL CALORIMETER RESPONSE TO PARTICLE BEAMS FROM 2 TO 350 GEV/C
EUROPEAN PHYSICAL JOURNAL C 60(3), 359-373 (2009)
36. KRASIKOV, D; MIKHAILIN, V; SCHERBININ, A.
AB INITIO EMBEDDED CLUSTER CALCULATIONS OF THE ELECTRONIC STRUCTURE AND PROPERTIES OF THE YB CHARGE TRANSFER LUMINESCENCE CENTRES
2008 INTERNATIONAL CONFERENCE ON LUMINESCENCE AND OPTICAL SPECTROSCOPY OF CONDENSED MATTER 2(2), 559-565 (2009)
37. DATTOLI, G; MIKHAILIN, VV; ZHUKOVSKY, KV.
UNDULATOR RADIATION IN A PERIODIC MAGNETIC FIELD WITH A CONSTANT COMPONENT
JOURNAL OF APPLIED PHYSICS 104(12), - (2008)
38. KRASIKOV, DN; SCHERBININ, AV; VASIL'EV, AN; KAMENSKIKH, IA; MIKHAILIN, VV.
MODEL OF Y2O3-YB CHARGE-TRANSFER LUMINESCENCE BASED ON AB INITIO CLUSTER CALCULATIONS
JOURNAL OF LUMINESCENCE 128(11), 1748-1752 (2008)
39. CHATRCHYAN, S; HMAYAKYAN, G; KHACHATRYAN, V; SIRUNYAN, AM; ADAM, W; MIKHAILIN, VV…
THE CMS EXPERIMENT AT THE CERN LHC
JOURNAL OF INSTRUMENTATION 3, - (2008)
40. ZORENKO, Y; GORBENKO, V; VOZNYAK, T; MIKHAILIN, V; KOLOBANOV, V; SPASSKY, D; NIKL, M.
INTRINSIC AND CE3+-RELATED LUMINESCENCE IN SINGLE CRYSTALLINE FILMS AND SINGLE CRYSTALS OF LUAP AND LUAP : CE PEROVSKITES
IEEE TRANSACTIONS ON NUCLEAR SCIENCE 55(3), 1192-1196 (2008)
41. RZHEVSKAYA, OV; SPASSKII, DA; KOLOBANOV, VN; MIKHAILIN, VV; NAGORNAYA, LL; TUPITSINA, IA; ZADNEPROVSKII, BI.
OPTICAL AND LUMINESCENCE PROPERTIES OF CDWO4 AND CDWO4 : MO SINGLE CRYSTALS
OPTICS AND SPECTROSCOPY 104(3), 366-373 (2008)
42. CHATRCHYAN, S; HMAYAKYAN, G; SIRUNYAN, AM; ADAM, W; BERGAUER, T; DRAGICEVIC, M; ERO, J;… MIKHAILIN, VV…
CMS PHYSICS TECHNICAL DESIGN REPORT: ADDENDUM ON HIGH DENSITY QCD WITH HEAVY IONS
JOURNAL OF PHYSICS G-NUCLEAR AND PARTICLE PHYSICS 34(11), 2307-2455 (2007)
43. ZORENKO, Y; VOLOSHINOVSKII, A; SAVCHYN, V; VOZNYAK, T; NIKL, M; NEJEZCHLEB, K; MIKHAILIN, V; KOLOBANOV, V; SPASSKY, D.
EXCITON AND ANTISITE DEFECT-RELATED LUMINESCENCE IN LUAL5O12 AND Y3AL5O12 GARNETS
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS 244(6), 2180-2189 (2007)
44. ZORENKO, Y; GORBENKO, V; KONSTANKEVYCH, I; VOZNJAK, T; SAVCHYN, V; NIKL, M; MARES, JA; NEJEZCHLEB, K; MIKHAILIN, V; KOLOBANOV, V; SPASSKY, D.
PECULIARITIES OF LUMINESCENCE AND SCINTILLATION PROPERTIES OF YAP : CE AND LUAP : CE SINGLE CRYSTALS AND SINGLE CRYSTALLINE FILMS
RADIATION MEASUREMENTS 42(4-5), 528-532 (2007)
45. GUERASSIMOVA, N; KAMENSKIKH, I; KRASIKOV, D; MIKHAILIN, V; ZAGUMENNYI, A; KOUTOVOI, S; ZAVARTSEV, Y; PEDRINI, C.
LUMINESCENT PROPERTIES OF YB-DOPED LASC3(BO3)(4) UNDER VUV EXCITATION
RADIATION MEASUREMENTS 42(4-5), 874-877 (2007)

46. VASIL'EVA, NV; RANDOSHKIN, VV; KOLOBANOV, VN; KRYUKOVA, EB; MIKHAILIN, VV; PETROVNIN, NN; PLOTNICHENKO, VG; PYRKOV, YN; SPASSKII, DA; SYSOEV, NN.
SPECTRAL AND LUMINESCENCE PROPERTIES OF GADOLINIUM GALLIUM GARNET EPITAXIAL FILMS DOPED WITH TERBIUM
PHYSICS OF THE SOLID STATE 49(3), 478-483 (2007)
47. LIPEROVSKY, V. A.; MIKHAILIN, V. V.; SHEVTSOV, B. M.; UMARKHODGAJEV, P. M.; BOGDANOV, V. V.; MEISTER, C.-V.; SHEVTSOV, B. M..
ELECTRICAL PHENOMENA IN AEROSOL CLOUDS ABOVE FAULTS REGIONS BEFORE EARTHQUAKES
PUBLISHER: IKIR FEB RAS , 391 (2007)
48. KOLOBANOV, V.; MIKHAILIN, V.; PETROVNIN, N.; SPASSKII, D.; YU, V.; ZORENKO, YU.
INVESTIGATION OF LUMINESCENCE SPECTRA OF THE Y3A15O12AND Y3A15O12:CE SINGLE-CRYSTAL FILMS
MOSC. UNIV. PHYS. BULL. 62, 35 (2007)
49. RANDOSHKIN, VV; VASIL'EVA, NV; KOLOBANOV, VN; MIKHAILIN, VV; PETROVNIN, NN; SPASSKII, DA; SYSOEV, NN; TIMOSHECHKIN, MI.
TERBIUM-DOPED GARNET SINGLE CRYSTALS AS X-RAY-SENSITIVE PHOSPHORS
TECHNICAL PHYSICS LETTERS 32(11), 958-959 (2006)
50. RANDOSHKIN, VV; ALPAROV, RM; VASIL'EVA, NV; KOLOBANOV, VN; MIKHAILIN, VV; PETROVNIN, NN; SPASSKII, DA; SYSOEV, NN.
LUMINESCENCE OF GADOLINIUM GALLIUM GARNET EPITAXIAL FILMS UNDER EXCITATION BY SYNCHROTRON RADIATION
PHYSICS OF THE SOLID STATE 48(11), 2097-2099 (2006)
51. DATTOLI, G; MIKHAILIN, VV; OTTAVIANI, PL; ZHUKOVSKY, KV.
TWO-FREQUENCY UNDULATOR AND HARMONIC GENERATION BY AN ULTRARELATIVISTIC ELECTRON
JOURNAL OF APPLIED PHYSICS 100(8), - (2006)
52. BEZHANOV, VA; MIKHAILIN, VV; CHERNOV, SP; KARIMOV, DN; SOBOLEV, BP.
UV AND VUV SPECTROSCOPIC STUDY OF NA0.4Y0.6F2.2 CRYSTALS DOPED WITH RARE-EARTH IONS
OPTICS AND SPECTROSCOPY 101(4), 571-581 (2006)
53. KOLOBANOV, V; MIKHAILIN, V; PETROVNIN, N; SPASSKY, D; ZORENKO, Y.
EXCITON CREATION IN LUALO3 SINGLE CRYSTALLINE FILM
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS 243(8), R60-R62 (2006)
54. RANDOSHKIN, VV; VASIL'EVA, NV; KOLOBANOV, VN; MIKHAILIN, VV; PETROVNIN, NN; SPASSKII, DA; SYSOEV, NN.
LUMINESCENCE OF GADOLINIUM GARNET SINGLE CRYSTALS EXCITED BY SYNCHROTRON RADIATION
TECHNICAL PHYSICS LETTERS 32(3), 194-196 (2006)
55. KOLOBANOV, V.; MIKHAILIN, V.; PETROVIN, N.; SPASSKY, D.; RANDOSHKIN, V.; VASILYEVA, N..
VUV-SPECTROSCOPY OF GGG SINGLE CRYSTALLINE FILMS
HASYLAB ANNUAL REPORT, PART I , 781 (2006)
56. KAMENSKIKH, I; DUJARDIN, C; GARNIER, N; GUERASSIMOVA, N; LEDOUX, G; MIKHAILIN, V; PEDRINI, C; PETROSYAN, A; VASIL'EV, A.
TEMPERATURE DEPENDENCE OF THE CHARGE TRANSFER AND F-F LUMINESCENCE OF YB3+ IN GARNETS AND YAP
JOURNAL OF PHYSICS-CONDENSED MATTER 17(36), 5587-5594 (2005)
57. ZORENKO, Y; GORBENKO, V; KONSTANKEVYCH, I; VOLOSHINOVSKII, A; STRYGANYUK, G; MIKHALLIN, V; KOLOBANOV, V; SPASSKY, D.
SINGLE-CRYSTALLINE FILMS OF CE-DOPED YAG AND LUAG PHOSPHORS: ADVANTAGES OVER BULK CRYSTALS ANALOGUES
JOURNAL OF LUMINESCENCE 114(2), 85-94 (2005)
58. ZAUSHITSYN, AV; MIKHAILIN, VV; ROMANENKO, AY; KHAIKINA, EG; BASOVICH, OM; MOROZOV, VA; LAZORYAK, BI.
LUMINESCENCE STUDY OF LIY1-XEUX(MOO4)(2)
INORGANIC MATERIALS 41(7), 766-770 (2005)
59. ZORENKO, Y; GORBENKO, V; VOLOSHINOVSKII, A; STRYGANYUK, G; MIKHAILIN, V; KOLOBANOV, V; SPASSKY, D; NIKL, M; BLAZEK, K.
EXCITON-RELATED LUMINESCENCE IN LUAG : CE SINGLE CRYSTALS AND SINGLE CRYSTALLINE FILMS
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE 202(6), 1113-1119 (2005)
60. SPASSKY, D; IVANOV, S; KITAEVA, I; KOLOBANOV, V; MIKHAILIN, V; IVLEVA, L; VORONINA, I; STUTZMANN, M.
OPTICAL AND LUMINESCENT PROPERTIES OF A SERIES OF MOLYBDATE SINGLE CRYSTALS OF SCHEELITE

CRYSTAL STRUCTURE
PHYSICA STATUS SOLIDI C - CONFERENCES AND CRITICAL REVIEWS, VOL 2, NO 1 2(1), 65 (2005)

61. KITAEVA, I.V.; KOLOBANOV, V.N.; MIKHAILIN, V.V.; SPASSKY, D.A.; BARINOVA, O.P.; KIRSANOVA, S.V.; IVLEVA, L.I.; VORONINA, I.S..
INVESTIGATION OF MOLYBDATE SINGLE CRYSTALS WITH LIGHT CATIONS
CONFERENCE: PROCEEDINGS OF THE 8TH INTERNATIONAL CONFERENCE ON INORGANIC SCINTILLATORS AND THEIR WE IN SCIENTIFIC AND INDUSTRIAL APPLICATIONS LOCATION: ALUSHTA, UKRAINE DATE: SEPTEMBER 19-23 , 44 (2005)
62. SHCHERBININ, S; DABAGOV, S; MIKHAILIN, V; LEITENBERGER, W; ERKO, A.
SYNCHROTRON RADIATION FOCUSING BY POLYCAPILLARY LENS
X-RAY AND NEUTRON CAPILLARY OPTICS II 5943, 154-157 (2005)
63. ZORENKO, YU.; GORBENKO, V.; KONSTANKEVYCH, I.; NIKL, M.; MARES, J. A.; BLAZEK, K.; NEJEZCHLEB, K.; GRINYOV, B.; MIKHAILIN, V.; KOLOBANOV, V.; SPASSKY, D..
SCINTILLATORS BASED ON YAG: CE AND LUAG: CE SINGLE CRYSTALLINE FILMS: NON-TRIVIAL ADVANTAGES OVER BULK CRYSTAL ANALOGUES
CONFERENCE: PROC. OF THE 8 INT. CONF. ON INORGANIC SCINTILLATORS AND THEIR USE IN SCIENCE AND INDUSTRIAL APPLICATIONS , 205 (2005)
64. ZORENKO, Y; VOLOSHINOVSKII, A; KONSTANKEVYCH, I; KOLOBANOV, V; MIKHAILIN, V; SPASSKY, D.
LUMINESCENCE OF EXCITONS AND ANTISITE DEFECTS IN THE PHOSPHORS BASED ON GARNET COMPOUNDS
RADIATION MEASUREMENTS 38(4-6), 677-680 (2004)
65. SPASSKY, DA; IVANOV, SN; KOLOBANOV, VN; MIKHAILIN, VV; ZEMSKOV, VN; ZADNEPROVSKI, BI; POTKIN, LI.
OPTICAL AND LUMINESCENT PROPERTIES OF THE LEAD AND BARIUM MOLYBDATES
RADIATION MEASUREMENTS 38(4-6), 607-610 (2004)
66. ZADNEPROVSKI, BI; KAMENSKIKH, IA; KOLOBANOV, VN; MIKHAILIN, VV; SHPINKOV, IN; KIRM, M.
GEL GROWTH, LUMINESCENCE, AND SCINTILLATION OF PBSO4 CRYSTALS
INORGANIC MATERIALS 40(7), 735-739 (2004)
67. KAMENSKIKH, IA; GUERASSIMOVA, NV; MIKHAILIN, VV; VASIL'EV, AN; DUJARDIN, C; PEDRINI, C; PETROSYAN, AG.
INTRINSIC LUMINESCENCE AND LUMINESCENCE OF INADVERTENT IMPURITIES IN LUAP AND LUYAP CRYSTALS
2004 IEEE NUCLEAR SCIENCE SYMPOSIUM CONFERENCE RECORD, VOLS 1-7 , 993-997 (2004)
68. BALALYKIN, N; BELOSHITSKY, P; BYKOVSKY, V; KOBETS, V; KOLOBANOV, V; KULIPANOV, G; LEVICHEV, E; MIKHAYLIN, V; MESHKOV, I; MEZENTSEV, N; MOROZOV, N; SELEZNEV, I; SIDOROV, G; SKRINSKY, A; SHIRKOV, G; SYRESIN, E; TITKOVA, I; YURKOV, M.
DELSY PROJECT: STATUS AND DEVELOPMENT
JOURNAL OF SYNCHROTRON RADIATION 10, 349-353 (2003)
69. BALALYKIN, N; BELOSHITSKY, P; BYKOVSKY, V; KOBETS, V; KOLOBANOV, V; KULIPANOV, G; LEVICHEV, E; MIKHAYLIN, V; MESHKOV, I; MEZENTSEV, N; MOROZOV, N; SELEZNEV, I; SIDOROV, G; SKRINSKY, A; SHIRKOV, G; SYRESIN, E; TITKOVA, I; YURKOV, M.
DELSY PROJECT: STATUS AND DEVELOPMENT
JOURNAL OF SYNCHROTRON RADIATION 10, 349-353 (2003)
70. KAMENSKIKH, IA; KOLOBANOV, VN; MIKHAILIN, VV; SPASSKY, DA; SHPINKOV, IN.
SPECTROSCOPY OF TUNGSTATES USING SYNCHROTRON RADIATION
IZVESTIYA AKADEMII NAUK SERIYA FIZICHESKAYA 66(12), 1812-1816 (2002)
71. RYBALTOVSKII, AO; KAMENSKIKH, IA; MIKHAILIN, VV; SEMENOVA, NL; SPASSKII, DA; ZIMMERER, G; CHERNOV, PV; GOLANT, KM.
SPECTROSCOPIC FEATURES OF SILICA GLASSES DOPED WITH TIN
GLASS PHYSICS AND CHEMISTRY 28(6), 379-388 (2002)
72. MIKHAILIN, VV; BELSKY, AN; KAMENSKIKH, IA; KOLOBANOV, VN; OREKHANOV, PA; SHPINKOV, IN; SPASSKY, DA; VASIL'EV, AN.
STUDY OF OPTICAL AND LUMINESCENT PROPERTIES OF SOME INORGANIC SCINTILLATORS IN THE FUNDAMENTAL ABSORPTION REGION
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 486(1-2), 367-373 (2002)
73. KOLOBANOV, VN; KAMENSKIKH, IA; MIKHAILIN, VV; SHPINKOV, IN; SPASSKY, DA; ZADNEPROVSKY, BI; POTKIN, LI; ZIMMERER, G.
OPTICAL AND LUMINESCENT PROPERTIES OF ANISOTROPIC TUNGSTATE CRYSTALS

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 486(1-2), 496-503 (2002)

74. KAMENSKIKH, I; MIKHAILIN, V; SPASSKY, D; BATYGOV, S; DMITRUK, L; MOISEEVA, L; VINOGRADOVA, N; KIRM, M; ZIMMERER, G.
LUMINESCENCE OF FLUOROHAFNATE GLASSES
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 486(1-2), 288-291 (2002)

75. GUERASSIMOVA, NV; KAMENSKIKH, IA; MIKHAILIN, VV; SHPINKOV, IN; SPASSKY, DA; LOMONOVA, EE; BORIK, MA; MARKOV, NI; PANOV, VA; VISHNJAKOVA, MA; KIRM, M; ZIMMERER, G.
FAST LUMINESCENCE OF HFO2-YB2O3 AND ZRO2-YB2O3 SOLID SOLUTIONS
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 486(1-2), 234-238 (2002)

76. GUERASSIMOVA, N; DUJARDIN, C; GARNIER, N; PEDRINI, C; PETROSYAN, AG; KAMENSKIKH, IA; MIKHAILIN, VV; SHPINKOV, IN; SPASSKY, DA; OVANESYAN, KL; SHIRINYAN, GO; CHIPAUX, R; CRIBIER, M; MALLET, J; MEYER, JP.
CHARGE-TRANSFER LUMINESCENCE AND SPECTROSCOPIC PROPERTIES OF YB3+ IN ALUMINIUM AND GALLIUM GARNETS
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 486(1-2), 278-282 (2002)

77. KOLOBANOV, VN; KAMENSKIKH, IA; MIKHAILIN, VV; SHPINKOV, IN; SPASSKY, DA; VASIL'EV, AN; ZADNEPROVSKY, BI; POTKIN, LI; ZIMMERER, G.
POLARIZATION PROPERTIES OF SYNCHROTRON RADIATION IN THE STUDY OF ANISOTROPIC INSULATING CRYSTALS
SURFACE REVIEW AND LETTERS 9(1), 469-472 (2002)

78. KAMENSKIKH, IA; KIRM, M; KOLOBANOV, VN; MIKHAILIN, VV; OREKHANOV, PA; SHPINKOV, IN; SPASSKY, DA; VASIL'EV, AN; ZADNEPROVSKY, BI; ZIMMERER, G.
OPTICAL AND LUMINESCENCE PROPERTIES OF COMPLEX LEAD OXIDES
IEEE TRANSACTIONS ON NUCLEAR SCIENCE 48(6), 2324-2329 (2001)

79. BALALYKIN, NI; BELOSHITSKII, PF; KADYSHEVSKII, VG; KOBETS, VV; MESHKOV, IN; MOROZOV, NA; SIDOROV, GI; SISAKYAN, AN; SYRESIN, EM; TITKOVA, IV; SHIRKOV, GD; YURKOV, MV; ANTOKHIN, EI; VOBLYI, PD; KULIPANOV, GN; LEVICHEV, EB; MEZENTSEV, NA; SKRINSKII, AN; MIKHAILIN, VV; KOLOBANOV, VN; LUX, H; MAAS, R; VAN MIDDELKOP, H; SPELT, J.
THIRD-GENERATION SYNCHROTRON RADIATION SOURCE AT THE JOINT INSTITUTE OF NUCLEAR RESEARCH
ATOMIC ENERGY 91(4), 841-849 (2001)

80. KAMENSKHIKH, IA; KOLOBANOV, VN; MIKHAILIN, VV; POTKIN, LI; SHPINKOV, IN; SPASSKY, DA; ZADNEPROVSKY, BI; ZIMMERER, G.
ANISOTROPY OF OPTICAL PROPERTIES OF SCHEELITE TUNGSTATES IN THE FUNDAMENTAL ABSORPTION REGION
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 470(1-2), 270-273 (2001)

81. KAMENSKIKH, IA; KOLOBANOV, VN; MIKHAILIN, VV; SHPINKOV, IN; SPASSKY, DA; ZIMMERER, G.
VUV-SPECTROSCOPY OF ANISOTROPIC CRYSTALS USING POLARIZED SYNCHROTRON RADIATION
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 467, 1423-1425 (2001)

82. ARKHIPOV, VA; ANTROPOV, VK; BALALYKIN, NI; BELOSHITSKY, PF; BROVKO, OI; BUTENKO, AB; FEDORENKO, SB; IVANOV, IN; KADYSHEVSKY, VG; KALINICHENKO, VV; KOBETS, VV; KRASAVIN, EA; MESHKOV, IN; MINASHKIN, V; MOROZOV, NA; POLYAKOV, YA; RUSSAKOVICH, NA; SIDORIN, AO; SIDOROV, AI; SIDOROV, GI; SISSAKYAN, AN; SHAKUN, NG; SHVETS, VA; SMIRNOV, VI; SUMBAEV, AP; SYRESIN, EM; TITKOVA, IV; TYUTYUNNIKOV, SI; VODOPYANOV, AS; YURKOV, MV; BOER-ROOKHUIZEN, H; HEINE, E; HEUBERS, WPJ; KAAN, AP; KROES, FB; KUIJER, LH; LAAN, JBVD; LANGELAAR, J; LOUWRIER, PWF; LUIJCKX, G; MAAS, R; VAN MIDDELKOOP, G; NOOMEN, JG; SPELT, JB; KULIPANOV, GN; LEVICHEV, EB; MEZENTSEV, NA; SHATUNOV, EM; SKRINSKY, AN; USHAKOV, VA; VOBLY, PD; KOLOBANOV, VN; MIKHAILIN, VV.
PROJECT OF THE DUBNA ELECTRON SYNCHROTRON
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 467, 59-62 (2001)

83. MOROZOV, VA; LAZORYAK, BI; SMIRNOV, VA; MIKHAILIN, VV; BASOVICH, OM; KHAIKINA, EG.
CRYSTAL STRUCTURES AND LUMINESCENCE PROPERTIES OF TERNARY MOLYBDATES LIMND2(MOO4)(4) (M =

K, RB, TL)
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY 46(6), 873-879 (2001)

84. KAMENSKIKH, IA; KIRM, M; KOLOBANOV, VN; MIKHAILIN, VV; OREKHANOV, PA; SHPINKOV, IN; SPASSKY, DA; VASIL'EV, AN; ZIMMERER, G.
OPTICAL PROPERTIES AND LUMINESCENCE CENTRES OF LEAD TUNGSTATE, SULPHATE AND CARBONATE
RADIATION EFFECTS AND DEFECTS IN SOLIDS 154(3-4), 307-311 (2001)

85. KAMENSKIKH, IA; MIKHAILIN, VV; SHPINKOV, IN; VASIL'EV, AN.
DEFECT CREATION AT THE CORE EDGES OF CESIUM AND POTASIUM BROMIDES
RADIATION EFFECTS AND DEFECTS IN SOLIDS 155(1-4), 153-157 (2001)

86. MIKHAILIN, VV.
SR STUDY OF SCINTILLATORS
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 448(1-2), 461-466 (2000)

87. VASIL'EV, AN; FANG, Y; MIKHAILIN, VV.
IMPACT PRODUCTION OF SECONDARY ELECTRONIC EXCITATIONS IN INSULATORS: MULTIPLE-PARABOLIC-BRANCH BAND MODEL
PHYSICAL REVIEW B 60(8), 5340-5347 (1999)

88. ROMANENKO, AY; MOROZOV, VA; YANOV, OV; KARACHKINA, MY; SEMENOVA, NL; LAZORYAK, BI; MIKHAILIN, VV; ZIMMERER, G.
LUMINESCENCE OF WHITLOCKITE-LIKE PHOSPHATES EXCITED WITH SYNCHROTRON RADIATION: II. LUMINESCENCE OF CA9M ' M '' (PO4)(7): EU3+ (M ' = CA, MG; M '' = LI, NA, K)
INORGANIC MATERIALS 35(7), 730-736 (1999)

89. ROMANENKO, AY; MOROZOV, VA; LAZORYAK, BI; MIKHAILIN, VV; ZIMMERER, G.
LUMINESCENCE OF WHITLOCKITE-LIKE PHOSPHATES EXCITED WITH SYNCHROTRON RADIATION: I. LUMINESCENCE OF BETA-CA-3(PO4)(2)
INORGANIC MATERIALS 35(7), 723-729 (1999)

90. GEKTIN, AV; KAMENSKIKH, IA; KIRM, M; MIKHAILIN, VV; ROMANENKO, AY; SHIRAN, NV; VORONOVA, VV; ZIMMERER, G.
OPTICAL PROPERTIES OF LIBAF3 - PURE AND DOPED WITH EU OR CE
RADIATION EFFECTS AND DEFECTS IN SOLIDS 150(1-4), 121-125 (1999)

91. BELSKY, AN; KAMENSKIKH, IA; MIKHAILIN, VV; PEDRINI, C; VASIL'EV, AN.
ENERGY TRANSFER IN INORGANIC SCINTILLATORS
RADIATION EFFECTS AND DEFECTS IN SOLIDS 150(1-4), 1-10 (1999)

92. SHPINKOV, IN; KAMENSKIKH, IA; KIRM, M; KOLOBANOV, VN; MIKHAILIN, VV; VASILEV, AN; ZIMMERER, G.
OPTICAL FUNCTIONS AND LUMINESCENCE QUANTUM YIELD OF LEAD TUNGSTATE
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH 170(1), 167-173 (1998)

93. FANG, Y; VASIL'EV, AN; MIKHAILIN, VV.
DENSITY OF THE GENERALIZED OSCILLATOR STRENGTH OF ATOMIC HYDROGEN: A SEMICLASSICAL APPROACH
PHYSICAL REVIEW A 58(5), 3683-3687 (1998)

94. BECKER, J; KIRM, M; KOLOBANOV, VN; MAKHOV, VN; MIKHAILIN, VV; VASIL'EV, AN; ZIMMERER, G.
COEXISTENCE OF TRIPLET AND SINGLET EXCITON EMISSION IN ALKALINE EARTH FLUORIDE CRYSTALS
PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON EXCITONIC PROCESSES IN CONDENSED MATTER - EXCON '98 98(25), 415-419 (1998)

95. VASIL'EV, AN; FANG, Y; MIKHAILIN, VV.
IMPACT PRODUCTION OF EXCITONS IN WIDE-BAND-GAP INSULATORS: NEAR-FREE ELECTRON APPROXIMATION
PROCEEDINGS OF THE THIRD INTERNATIONAL CONFERENCE ON EXCITONIC PROCESSES IN CONDENSED MATTER - EXCON '98 98(25), 403-408 (1998)

96. BELSKY, AN; KLIMOV, SM; MIKHAILIN, VV; VASILEV, AN; AUFFRAY, E; LECOQ, P; PEDRINI, C; KORZHIK, MV; ANNENKOV, AN; CHEVALIER, P; MARTIN, P; KRUPA, JC.
INFLUENCE OF STOICHIOMETRY ON THE OPTICAL PROPERTIES OF LEAD TUNGSTATE CRYSTALS
CHEMICAL PHYSICS LETTERS 277(1-3), 65-70 (1997)

97. KAMENSKIKH, IA; MIKHAILIN, VV; MUNRO, IH; SHAW, DA; SHPINKOV, IN; VASILEV, AN.
DECAY OF CORE HOLES IN CESIUM CHLORIDE STUDIED BY THE LUMINESCENCE SPECTROSCOPY
JOURNAL OF LUMINESCENCE 72-4, 930-932 (1997)

98. BELSKY, AN; GLUKHOV, RA; MARTIN, P; MIKHAILIN, VV; PEDRINI, C; VASILEV, AN.
VUV EXCITATION OF INTRINSIC LUMINESCENCE OF IONIC CRYSTALS WITH COMPLICATED BAND STRUCTURE. SIMULATION
JOURNAL OF LUMINESCENCE 72-4, 96-97 (1997)
99. BELSKY, AN; CORTES, R; GEKTIN, AV; MARTIN, P; MIKHAILIN, VV; PEDRINI, C.
EXCITATION MECHANISMS OF CSI FAST INTRINSIC LUMINESCENCE
JOURNAL OF LUMINESCENCE 72-4, 93-95 (1997)
100. AUFFRAY, E; BACCARO, S; BECKERS, T; BENHAMMOU, Y; BELSKY, AN; BORGIA, B; BOUTET, D; CHIPAUX, R; DAFINEI, I; DENOTARISTEFANI, F; DEPASSE, P; DUJARDIN, C; ELMAMOUNI, H; FAURE, JL; FAY, J; GOYOT, M; GUPTA, SK; GURTU, A; HILLEMANNS, H; ILLE, B; KIRN, T; LEBEAU, M; LEBRUN, P; LECOQ, P; MARES, JA; MARTIN, JP; MIKHAILIN, VV; MOINE, B; NELISSEN, J; NIKL, M; PEDRINI, C; RAGHAVAN, R; SAHUC, P; SCHMITZ, D; SCHNEEGANS, M; SCHWENKE, J; TAVERNIER, S; TOPA, V; VASILEV, AN; VIVARGENT, M; WALDER, JP.
EXTENSIVE STUDIES ON CEF3 CRYSTALS, A GOOD CANDIDATE FOR ELECTROMAGNETIC CALORIMETRY AT FUTURE ACCELERATORS
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 383(2-3), 367-390 (1996)
101. LAZORYAK, BI; STRUNENKOVA, TV; VOVK, EA; MIKHAILIN, VV; SHPINKOV, IN; ROMANENKO, AY; SCHEKOLDIN, VN.
THE NEW PHOSPHATES CA(9)MLN(2/3)(PO4)(7) (M=LI, NA; LN EQUALS RARE EARTH, Y, BI)
MATERIALS RESEARCH BULLETIN 31(6), 665-671 (1996)
102. VAVILOVA, VV; KOVNERISTYI, YK; LEBEDEV, AI; MIKHAILIN, VV; PALII, NA; ROGALEV, AL.
EXAFS STUDIES OF RE87TA13 AND RE48W52 AMORPHOUS ALLOYS
DOKLADY AKADEMII NAUK 348(2), 197-200 (1996)
103. BELSKY, AN; GLUKHOV, RA; KAMENSKIKH, IA; MARTIN, P; MIKHAILIN, VV; MUNRO, IH; PEDRINI, C; SHAW, DA; SHPINKOV, IN; VASILEV, AN.
LUMINESCENCE QUENCHING AS A PROBE FOR THE LOCAL DENSITY OF ELECTRONIC EXCITATIONS IN INSULATORS
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA 79, 147-150 (1996)
104. BELSKY, AN; KAMENSKIKH, IA; MIKHAILIN, VV; VASILEV, AN.
CROSSLUMINESCENCE IN IONIC CRYSTALS
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA 79, 111-116 (1996)
105. BELSKY, AN; COMTET, G; DUJARDIN, G; GEKTIN, AV; HELLNER, L; KAMENSKIKH, IA; MARTIN, P; MIKHAILIN, VV; PEDRINI, C; VASILEV, AN.
PHOTOEMISSION, PHOTODESORPTION AND LUMINESCENCE STUDIES OF CSI IN THE 20-140 EV REGION
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA 80, 109-112 (1996)
106. BECKER, J; BELSKY, AN; BOUTTET, D; DUJARDIN, C; GEKTIN, AV; HOPKIRK, A; IVANOV, SN; KAMENSKIKH, IA; KIRIKOVA, NY; KLIMENKO, V; KOLOBANOV, VN; MAKHOV, VN; MARTIN, P; MIKHAILIN, VV; MUNRO, IH; MYTHEN, C; OREKHANOV, PA; PEDRINI, C; SCHROEDER, A; SHAW, DA; SHIRAN, N; SHPINKOV, IN; VASILEV, AN; ZIMMERER, G.
TIME RESOLVED LUMINESCENCE SPECTROSCOPY OF WIDE BANDGAP INSULATORS
JOURNAL OF ELECTRON SPECTROSCOPY AND RELATED PHENOMENA 79, 99-102 (1996)
107. MIKHAILIN, VV.
PAST AND PRESENT OF THE RUSSIAN PHYSICAL SOCIETY
SECOND INTERNATIONAL CONFERENCE ON RESEARCH AND COMMUNICATIONS IN PHYSICS (RACIP2): WORLD CONGRESS OF PHYSICAL SOCIETIES , 316-319 (1996)
108. MIKHAILIN, VV.
PAST AND PRESENT OF THE RUSSIAN PHYSICAL SOCIETY
SECOND INTERNATIONAL CONFERENCE ON RESEARCH AND COMMUNICATIONS IN PHYSICS (RACIP2): WORLD CONGRESS OF PHYSICAL SOCIETIES , 316-319 (1996)
109. BELSKY, AN; MIKHAILIN, VV; VASILEV, AN; DAFINEI, I; LECOQ, P; PEDRINI, C; CHEVALLIER, P; DHEZ, P; MARTIN, P.
FAST LUMINESCENCE OF UNDOPED PBWO4 CRYSTAL
CHEMICAL PHYSICS LETTERS 243(5-6), 552-558 (1995)
110. BELSKY, AN; KLIMOV, SM; MIKHAILIN, VV; ZININ, EI; GEKTIN, AV.
FAST INTRINSIC LUMINESCENCE OF RBI AND KI CRYSTALS EXCITED BY X-RAY SYNCHROTRON-RADIATION
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 359(1-2), 348-350 (1995)

111. MIKHAILIN, VV.
LUMINESCENCE OF SOLIDS EXCITED BY SYNCHROTRON-RADIATION
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS 97(1-4), 530-535 (1995)
112. FANG, Y; VASILEV, AN; MIKHAILIN, VV.
THEORY OF X-RAY PHOTOACOUSTIC-SPECTROSCOPY
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING 60(3), 333-341 (1995)
113. HARUTUNYAN, VV; BELSKY, AN; GEVORKYON, VA; MIKHAILIN, VV; YERITSIAN, GN.
THE SHORT LIFE-TIME DEFECT FORMATION IN ALPHA-AL2O3 UNDER THE SYNCHROTRON RADIATION
RADIATION EFFECTS AND DEFECTS IN SOLIDS 134(1-4), 243-245 (1995)
114. KAMENSKIKH, IA; MIKHAILIN, VV; MUNRO, IH; PETROVYKH, DY; SHAW, DA; STUDENIKIN, PA; VASILEV, AN; ZAGUMENNYI, IA; ZAVARTSEV, YD.
LSO-CE FLUORESCENCE SPECTRA AND KINETICS FOR UV, VUV AND X-RAY EXCITATION
RADIATION EFFECTS AND DEFECTS IN SOLIDS 135(1-4), 889-894 (1995)
115. BELSKY, AN; MIKHAILIN, VV; VASILEV, AN.
THE ROLE OF CATION VACANCIES IN EXCITATION MECHANISM OF RE-IONS IN ALKALINE-EARTH SULPHIDES
RADIATION EFFECTS AND DEFECTS IN SOLIDS 135(1-4), 881-887 (1995)
116. BELSKY, A.N.; GEKTIN, A.V.; KLIMOV, S.M.; KRUPA, J.C.; MARTIN, P.; MAYOLET, A.; MIKHAILIN, V.V.; PEDRINI, C.; VASIL'EV, A.N.; ZININ, E.I..
SOLID SOLUTIONS OF SCINTILLATORS: A WAY OF IMPROVING PROPERTIES
CONFERENCE: INTERNATIONAL CONFERENCE ON INORGANIC SCINTILLATORS AND THEIR APPLICATION (SCINT) DATE: AUGUST 28-SEPTEMBER 1, 1995 , 384 (1995)
117. KAMENSKIKH, IA; MACDONALD, MA; MAKHOV, VN; MIKHAILIN, V; MUNRO, IH; TEREKHIN, MA.
FAST CRYSTALLINE SCINTILLATORS FOR HIGH COUNTING RATE X-RAY-DETECTORS
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 348(2-3), 542-545 (1994)
118. HRDINA, J; SIROKY, P; KOLOBANOV, VN; MIKHAILIN, VV; OREKHANOV, PA; PERINA, V; VISNOVSKY, S.
REFLECTIVITY OF BI SUBSTITUTED YTTRIUM-IRON-GARNET (BIYIG) BETWEEN 1 AND 30EV
CZECHOSLOVAK JOURNAL OF PHYSICS 44(6), 613-620 (1994)
119. BELSKY, AN; VASILEV, AN; MIKHAILIN, VV; GEKTIN, AV; MARTIN, P; PEDRINI, C; BOUTTET, D.
EXPERIMENTAL-STUDY OF THE EXCITATION THRESHOLD OF FAST INTRINSIC LUMINESCENCE OF CSI
PHYSICAL REVIEW B 49(18), 13197-13200 (1994)
120. BELSKY, AN; MIKHAILIN, VV; ROGALEV, AL; ZININ, EI.
TIME-RESOLVED SPECTROSCOPY OF SCINTILLATION MATERIALS USING X-RAY SYNCHROTRON RADIATION
SCINTILLATOR AND PHOSPHOR MATERIALS 348, 235-240 (1994)
121. BELSKY, AN; KRACHNI, O; MIKHAILIN, VV.
ON THE NATURE OF THE MODIFICATION OF LUMINESCENCE SPECTRA OF ALKALINE-EARTH SULFIDES DOPED WITH CERIUM IN THE CASE OF X-RAY-EXCITATION
JOURNAL OF PHYSICS-CONDENSED MATTER 5(50), 9417-9422 (1993)
122. GURVICH, AM; KAMENSKIKH, IA; MIKHAILIN, VV; MYAGKOVA, MG; RYUDIGER, Y; SOSNOVSKAYA, TV.
PROPERTIES OF BARIUM FLUOROHALIDE-BASED LUMINOPHORS IN RELATION TO THEIR COMPOSITION AND METHOD OF PRODUCTION
INORGANIC MATERIALS 29(10), 1268-1270 (1993)
123. PEDRINI, C; MOINE, B; BOUTTET, D; BELSKY, AN; MIKHAILIN, VV; VASILEV, AN; ZININ, EI.
TIME-RESOLVED LUMINESCENCE OF CEF3 CRYSTALS EXCITED BY X-RAY SYNCHROTRON RADIATION
CHEMICAL PHYSICS LETTERS 206(5-6), 470-474 (1993)
124. BELSKY, AN; KRACHNI, O; MIKHAILIN, VV.
RADIATIVELY INDUCED MODIFICATION OF THE LUMINESCENCE SPECTRUM OF THE ION CE3+ IN THE SOLID-SOLUTION CA1-XSRXS
PHYSICA STATUS SOLIDI B-BASIC RESEARCH 176(2), 493-501 (1993)
125. STEPANYUK, VS; GRIGORENKO, AA; KATSNELSON, AA; FARBEROVICH, OV; SZASZ, A; MIKHAILIN, VV.
ELECTRONIC-STRUCTURE AND OPTICAL-PROPERTIES OF MGS
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS 174(1), 289-294 (1992)
126. GURVICH, AM; MIKHAILIN, VV.
PHOSPHORS FOR THE STORAGE LUMINESCENT SCREENS
USPEKHI KHIMII 61(6), 1047-1060 (1992)

127. DAVOLI, I; MIKHAILIN, VV; STIZZA, S; VASILEV, AN.
URBACH EFFECTS IN THE KINETICS OF CORE HOLES FOR EXCITATION OF CROSS-LUMINESCENCE
JOURNAL OF LUMINESCENCE 51(5), 275-282 (1992)
128. DEVYATKOVA, KM; IVANOVA, ON; MIKHAILIN, VV; CHERNOV, SP.
THE MECHANISM OF ANOMALY RISE IN THE STRUCTURE OF SHORT-WAVE SPECTRA OF FLUORIDE MATRICES ACTIVATED BY RARE-EARTH IONS
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 33(2), 43-49 (1992)
129. KAMENSKIKH, IA; MACDONALD, MA; MIKHAILIN, VV; MUNRO, IH; TEREKHIN, MA.
CROSS LUMINESCENCE OF SEVERAL PEROVSKITE-TYPE CRYSTALS
REVIEW OF SCIENTIFIC INSTRUMENTS 63(1), 1447-1449 (1992)
130. BELSKY, AN; VASILEV, AN; MIKHAILIN, VV; GEKTIN, AV; SHIRAN, NV; ROGALEV, AL; ZININ, EI.
TIME-RESOLVED XEOL SPECTROSCOPY OF NEW SCINTILLATORS BASED ON CSI
REVIEW OF SCIENTIFIC INSTRUMENTS 63(1), 806-809 (1992)
131. MIKHAILIN, V.
SYNCHROTRON RADIATION UTILIZATION - PROCEEDINGS OF THE 9TH USSR NATIONAL CONFERENCE ON SYNCHROTRON RADIATION UTILIZATION (SR 90) MOSCOW, USSR, JUNE 26-29, 1990
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 308(1-2), R7-R7 (1991)
132. BELSKIY, AN; GURVICH, AM; KAMENSKIKH, IA; MIKHAILIN, VV; MYAGKOVA, MG; TEREKHIN, MA.
EXCITATION OF STATIONARY AND PHOTOSTIMULATED LUMINESCENCE OF BAFBR-EU-PHOSPHORS IN THE RANGE 4 TO 25 EV
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 308(1-2), 190-192 (1991)
133. STEPANYUK, VS; GRIGORENKO, AA; KATSNELSON, AA; SAS, A; FARBEROVICH, OV; MIKHAILIN, VV.
ELECTRONIC-STRUCTURE AND OPTICAL-PROPERTIES OF MGS
FIZIKA TVERDOGO TELA 32(6), 1766-1768 (1990)
134. KRISHNAN, R; KOLOBANOV, VN; MIKHAILIN, VV; OREKHANOV, PA; SIROKY, P; SRAMEK, J; VISNOVSKY, S.
REFLECTIVITY IN PBFE12O19 FROM 1 TO 30 EV
JOURNAL OF APPLIED PHYSICS 67(9), 4803-4805 (1990)
135. BELSKIY, AN; KAMENSKIKH, IA; MIKHAILIN, VV; SHPINKOV, IN; VASILEV, AN.
ELECTRONIC EXCITATIONS IN CRYSTALS WITH COMPLEX OXYANIONS
PHYSICA SCRIPTA 41(4), 530-536 (1990)
136. BELSKIY, AN; KAMENSKIKH, IA; MIKHAILIN, VV; SHPINKOV, IN; VASILEV, AN.
ELECTRONIC EXCITATIONS IN CRYSTALS WITH COMPLEX OXYANIONS
PHYSICA SCRIPTA 41(4), 530-536 (1990)
137. STEPANYUK, VS; GRIGORENKO, BL; KATZNELSON, AA; FARBEROVICH, OV; MIKHAILIN, VV.
ELECTRONIC BAND-STRUCTURE CALCULATIONS OF MGO CONTAINING F+-CENTERS AND F-CENTERS
FIZIKA TVERDOGO TELA 32(2), 588-592 (1990)
138. KUCERA, M; KOLOBANOV, VN; MIKHAILIN, VV; OREKHANOV, PA; MAKHOV, VN.
REFLECTION SPECTRA OF SOME GARNET AND ORTHOFERRITE SINGLE-CRYSTALS IN VACUUM ULTRAVIOLET
PHYSICA STATUS SOLIDI B-BASIC RESEARCH 157(2), 745-752 (1990)
139. MIKHAILIN, VV.
CONSTITUENT CONGRESS OF PHYSICAL SOCIETY OF THE USSR (MOSCOW, NOVEMBER 17-18, 1989)
USPEKHI FIZICHESKIKH NAUK 160(1), 162-163 (1990)
140. GURVICH, AM; MIKHAILIN, VV; MYAGKOVA, MG; TEREKHIN, MA.
TRANSFER AND STORAGE OF EXCITATION-ENERGY IN PHOSPHORS BASED ON BARIUM FLUOROHALIDES
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 31(1), 44-48 (1990)
141. GRIGORENKO, A.A.; STEPANYUK, V.S.; KATSNEL'SON, A.A.; FARBEROVICH, O.V.; MIKHAILIN, V.V..
ELECTRON STRUCTURE AND OPTICAL PROPERTIES OF BAO
MOSCOW UNIVERSITY PHYSICS BULLETIN 45(3), 105 (1990)
142. KOLOBANOV, VN; MIKHAILIN, VV; OREKHANOV, PA; PROSSER, V; VISNOVSKY, S; KUCERA, M.
OPTICAL-PROPERTIES OF SOME GARNETS IN THE FUNDAMENTAL ABSORPTION RANGE
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 282(2-3), 619-621 (1989)
143. MIKHAILIN, VV; TEREKHIN, MA.
LUMINESCENCE EXCITATION OF BARIUM FLUOROHALIDES BY USING SYNCHROTRON RADIATION

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 282(2-3), 607-609 (1989)

144. KAMENSKIKH, IA; MIKHAILIN, VV; SHPINKOV, IN; VASILYEV, AN.
HIGH-ENERGY EXCITATION OF LUMINESCENCE OF CRYSTALS WITH OXYANIONS
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 282(2-3), 599-606 (1989)

145. BELSKIY, AN; ZAKHARCHENKO, YA; IVANOV, SN; KOLOBANOV, VN; MIKHAILIN, VV; SHPINKOV, IN; LIPILIN, AV; ODINTSOV, DG; PROSVETOV, VK; RYBAKOV, BV; SMAKOV, AY; TEREKHIN, MA.
A STATION FOR VUV SPECTROSCOPY WITH THE SEYA-NAMIOKA MONOCHROMATOR AT THE SIBERIA-1 STORAGE RING
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 282(2-3), 625-627 (1989)

146. BELSKIY, AN; MIKHAILIN, VV; FRANK, IA; DODONOVA, NJ; RYBAKOV, BV.
VUV EXCITATION OF LUMINESCENCE OF ANTHRACENE, ADENINE AND THYMINE
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 282(2-3), 610-612 (1989)

147. STEPANYUK, VS; SZASZ, A; FARBEROVICH, OV; GRIGORENKO, AA; KOZLOV, AV; MIKHAILIN, VV.
AN ELECTRONIC BAND-STRUCTURE CALCULATION AND THE OPTICAL-PROPERTIES OF ALKALINE-EARTH SULFIDES
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS 155(1), 215-220 (1989)

148. STEPANYUK, VS; SZASZ, A; FARBEROVICH, OV; GRIGORENKO, AA; KOZLOV, AV; MIKHAILIN, VV.
AN ELECTRONIC BAND-STRUCTURE CALCULATION AND THE OPTICAL-PROPERTIES OF ALKALINE-EARTH SULFIDES
PHYSICA STATUS SOLIDI B-BASIC SOLID STATE PHYSICS 155(1), 215-220 (1989)

149. MIKHAYLIN, VV; TEREKHIN, MA.
LUMINESCENCE EXCITATION IN BAF2-BACL2 AND BAF2-BABR2 SYNCHROTRON RADIATION
REVIEW OF SCIENTIFIC INSTRUMENTS 60(7), 2545-2547 (1989)

150. STEPANOVA, YV; STEPANYUK, VS; KOLOBANOV, VN; VLASOV, SV; FARBEROVICH, OV; MIKHAILIN, VV; KATSNELSON, AA.
EXPERIMENTAL AND THEORETICAL-STUDY OF OPTICAL-PROPERTIES OF MGO
IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII FIZIKA 32(5), 117-120 (1989)

151. GOLOVIN, AV; MELCHAKOV, EN; MIKHAILIN, VV; RODNYI, PA; TEREKHIN, MA.
EXCITON AND CORE - VALENCE BAND RADIATIVE TRANSITIONS IN BAF2-LAF3
FIZIKA TVERDOGO TELA 31(4), 253-256 (1989)

152. AGAPOV, MN; KLISHIN, SV; MIKHAILIN, VV; PYTEV, YP.
APPLICATION OF REDUCTION METHOD FOR OPTICAL-SPECTRA ANALYSIS BY PHOTOEMISSION DATA
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 30(2), 90-92 (1989)

153. ALLSALU, MLJ; DANILKIN, MI; KUZNETSOV, VD; KUZNETSOV, IE; MIKHAILIN, VV; PEDAK, EJ; SEMAN, VO.
CAS-EU PHOSPHORESCENCE EXCITATION MECHANISM
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 30(2), 97-99 (1989)

154. STEPANYUK, VS; GRIGORENKO, AA; KOZLOV, AV; FARBEROVICH, OV; MIKHAILIN, VV; STEPANOVA, EV.
THEORETIC STUDY OF THE OPTICAL-PROPERTIES OF CAS
FIZIKA TVERDOGO TELA 31(2), 58-62 (1989)

155. DEVIATKOVA, KM; IVANOVA, ON; MIKHAILIN, VV; CHERNOV, SP; UVAROVA, TV.
CONTRIBUTION OF A STRUCTURAL FACTOR INTO OPTICAL-SPECTRA OF FLUORIDES
DOKLADY AKADEMII NAUK SSSR 306(2), 334-& (1989)

156. DEVYATKOVA, K.M.; IVANOVA, O.N.; MIKHAILIN, V.V.; CHERNOV, S.P.; UVAROVA, T.V..
CONTRIBUTION OF THE STRUCTURE FACTOR TO THE OPTICAL SPECTRA OF FLUORIDES
SOVIET PHYSICS - DOKLADY 34(5), 443 (1989)

157. STEPANYUK, V.S.; GRIGORENKO, A.A.; KOZLOV, A.V.; FARBEROVICH, O.V.; MIKHAILIN, V.V.; STEPANOVA, E.V..
THEORETICAL STUDY OF CALCIUM SULFIDE OPTICAL PROPERTIES
SOVIET PHYSICS - SOLID STATE 31(2), 207 (1989)

158. DEVJATKOVA, KM; IVANOVA, ON; MIKHAILIN, VV; UVAROVA, TV; CHERNOV, SP.
DESCRIPTION OF DEFECTS OBSERVED IN BAY2F8 MONOCRYSTALS WITH SCANNING ELECTRON-MICROSCOPE
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 29(6), 24-28 (1988)

159. STEPANOVA, EV; STEPANYUK, VS; ROGALEVA, MN; FARBEROVICH, OV; GRIGORENKO, AA; MIKHAILIN, VV.
ELECTRONIC-STRUCTURE AND OPTICAL-PROPERTIES OF CAO
FIZIKA TVERDOGO TELA 30(8), 2303-2306 (1988)
160. STEPANOVA, YV; STEPANYUK, VS; VLASOV, SV; FARBEROVICH, OV; MIKHAILIN, VV.
ELECTRON-STRUCTURE AND OPTICAL-PROPERTIES OF COMPOUND CAS
IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII FIZIKA 31(7), 82-86 (1988)
161. AGAPOV, MN; GALAKTIONOV, SS; MIKHAILIN, VV; TKACHEV, AV; SHPINKOV, IN.
EXCITATION MECHANISM OF SNO2-EU LUMINESCENCE
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 29(4), 91-93 (1988)
162. AGAPOV, MN; ALLSALU, MLY; DANILKIN, MI; KLIMONSKII, SO; KUZNETSOV, VD; KUZNETSOV, IE; MIKHAILIN, VV; PEDAK, EY.
PHOTOMAGNETISM OF CAS-EU AND SRS-EU CRYSTALLOPHOSPHATES
PISMA V ZHURNAL TEKHNICHESKOI FIZIKI 14(2), 114-118 (1988)
163. DOVGII, YO; KITYK, IV; KOLOBANOV, VN; MANKOVSKAYA, IG; MAKHOV, VN; MIKHAILIN, VV; PUGA, PP.
REFLECTION SPECTRA OF AG3ASS3 IN THE 2-30 EV RANGE
FIZIKA TVERDOGO TELA 30(1), 302-304 (1988)
164. STEPANOVA, E.V.; STEPANYUK, V.S.; ROGALEVA, M.N.; FARBEROVICH, O.V.; GRIGORENKO, A.A.; MIKHAILIN, V.V..
ELECTRONIC STRUCTURE AND OPTICAL PROPERTIES OF CAO
SOVIET PHYSICS - SOLID STATE 30(8), 1329 (1988)
165. IVANOV, SN; KITAYEVA, GH; MIKHAILIN, VV; PENIN, AN; SHEPELEV, AV; DAVOLI, I.
SPONTANEOUS-INDUCED PARAMETRICAL SCATTERING - APPLICATIONS USING SYNCHROTRON RADIATION
PHYSICA SCRIPTA 36(6), 960-961 (1987)
166. MIKHAILIN, VV.
EXCITATION OF SECONDARY PROCESSES IN THE VACUUM ULTRAVIOLET RANGE
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 261(1-2), 107-114 (1987)
167. BELSKIY, AN; IVANOV, SN; KAMENSKIKH, IA; KOLOBANOV, VN; MIKHAILIN, VV; OREKHANOV, PA; VASILYEV, AN; REPIN, NG; RYBAKOV, BV; TEREKHIN, MA; VASILYEV, AA.
STATION FOR VUV-SPECTROSCOPY AT BEAM LINE M OF THE STORAGE RING SIBERIA-I
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION A-ACCELERATORS SPECTROMETERS DETECTORS AND ASSOCIATED EQUIPMENT 261(1-2), 85-87 (1987)
168. KITYK, IV; KOLOBANOV, VN; MIKHAILIN, VV.
ELECTRONIC-STRUCTURE OF BERILLIUM OXIDE
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 28(4), 67-72 (1987)
169. DEVJATKOVA, LI; DRUZHININ, AA; IVANOVA, ON; MIKHAILIN, VV; CHERNOV, SP.
THE INFLUENCE OF COLLECTIVE EFFECTS TO RARE-EARTHS IONS VUV SPECTRA FORMATION IN CRYSTALS
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 28(3), 75-78 (1987)
170. VASILEV, AN; MIKHAILIN, VV; OVTCHINNIKOVA, IV.
THE EFFECT OF ELECTRON-HOLE CORRELATIONS ON THE LUMINESCENCE OF CRYSTALS WITH TRAPS
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 28(3), 50-54 (1987)
171. BELSKY, AN; KOLOBANOV, VN; MIKHAILIN, VV; RYBAKOV, BV; TEREKHIN, MA.
MEASUREMENT OF LUMINESCENCE-EXCITATION SPECTRA OF ALKALI-EARTH SULFIDES USING THE SPECIAL-PURPOSE SYNCHROTRON-RADIATION SOURCE FROM THE IAE NAMED AFTER KURCHATOV,I.V.
OPTIKA I SPEKTROSKOPIYA 62(3), 590-592 (1987)
172. DEVYATKOVA, LI; IVANOVA, ON; MIKHAILIN, VV; RUDNEV, SN; CHERNOV, SP.
HIGH-ENERGY 4+ STATES OF ER-3+ AND HO-3+ IONS IN FLUORIDE-CRYSTALS
OPTIKA I SPEKTROSKOPIYA 62(2), 464-466 (1987)
173. DEVYATKOVA, LI; DRUZHININ, AA; IVANOVA, ON; MIKHAILIN, VV; CHERNOV, SP.
VIRTUAL EXCITATION STATES OF YTTERBIUM IONS IN BAY2F8 DIELECTRIC MATRIX
OPTIKA I SPEKTROSKOPIYA 62(1), 222-224 (1987)
174. KOLOBANOV, VN; MIKHAILIN, VV; OREKHANOV, PA; PROSSER, V; VISNOVSKY, S; YAKIMENKO, MN.
REFLECTIVITY IN YTTRIUM-IRON-GARNET BETWEEN 4-EV AND 30-EV USING SYNCHROTRON RADIATION
CZECHOSLOVAK JOURNAL OF PHYSICS 37(2), 232-238 (1987)
175. DOVGII, YO; ZAMORSKII, MK; MIKHAILIN, VV; KOLOBANOV, VN.
ANALYSIS OF OPTICAL FUNCTIONS OF MONOCRYSTALS-BI12SIO20
IZVESTIYA VYSSHIKH UCHEBNYKH ZAVEDENII FIZIKA 29(4), 110-112 (1986)

176. ALLSALU, MLY; BELSKII, AN; ZININ, EI; KAMENSKIKH, IA; MIKHAILIN, VV; ORAV, MT; SHEPELEV, AV.
X-RAY LUMINESCENCE OF CA AND SR ACTIVATED SULFATES AND SULFIDES DURING SYNCHROTRON RADIATION EXCITATION
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 50(3), 581-586 (1986)
177. VASILEV, AN; MIKHAILIN, VV.
ROLE OF RELAXATION ON PHONONS DURING THE CASCADE FISSION PROCESS OF ELECTRON EXCITATIONS BORN BY X-RAY QUANTUM
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 50(3), 537-541 (1986)
178. DEVIATKOVA, LI; IVANOVA, ON; MIKHAILIN, VV; RUDNEV, SN; SOBOLEV, BP; UVAROVA, TV; CHERNOV, SP.
EXPERIMENTAL-STUDY OF THE 4F-5D TRANSITIONS OF HO-3+, ER-3+, TM-3+, AND YB-3+ IN BAY2F8
DOKLADY AKADEMII NAUK SSSR 283(6), 1339-1342 (1985)
179. VLASENKO, AA; DEVIATKOVA, LI; IVANOVA, ON; MIKHAILIN, VV; CHERNOV, SP; UVAROVA, TV; SOBOLEV, BP.
TRANSMISSION SPECTRA OF THE BALN2F8-TYPE SINGLE-CRYSTALS IN A WIDE SPECTRAL REGION (FROM 12 MU-M TO 0.12 MU-M)
DOKLADY AKADEMII NAUK SSSR 282(3), 565-568 (1985)
180. VASILEV, AN; MIKHAILIN, VV; OVCHINNIKOVA, IV.
EFFECT OF HOT SCATTERING OF ELECTRON-HOLE PAIRS OF CRYSTALLOPHOSPHOR QUANTUM OUTCOME WITH TRAPS
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 49(10), 2044-2048 (1985)
181. VASILEV, AN; KOLOBANOV, VN; KUUSMAN, IL; LUSHCHIK, CB; MIKHAILIN, VV.
MULTIPLICATION OF ELECTRONIC EXCITATIONS IN MGO CRYSTALS
FIZIKA TVERDOGO TELA 27(9), 2696-2702 (1985)
182. DOVGII, YA.O.; KITYK, I.V.; ALEKSANDROV, YU.M.; KOLOBANOV, V.N.; MAKHOV, V.N.; MIKHAILIN, V.V..
OPTICAL FUNCTIONS OF LAYERED CADMIUM DICHALCOGENIDE CRYSTALS IN THE ENERGY RANGE 4-20 EV
JOURNAL OF APPLIED SPECTROSCOPY 43(4), 1168 (1985) CHERNOV, SP; DEVYATKOVA, LI; IVANOVA, ON; KAMINSKII, AA; MIKHAILIN, VV; RUDNEV, SN; UVAROVA, TV.
5D14FN-1-4FN ABSORPTION AND LUMINESCENCE OF CE-3+, PR-3+, AND ND-3+ IONS IN BAY2F8 SINGLE-CRYSTALS
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH 88(2), K169-K173 (1985)
183. ALEKSANDROV, YM; DOVGIY, YO; KITYK, IV; KOLOBANOV, VN; MAKHOV, VN; MIKHAILIN, VV.
PARAMETERS OF ENERGY-SPECTRUM OF CDI2 LAYERED CRYSTALS
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 26(3), 94-96 (1985)
184. ALECKSANDROV, YM; DOVGII, YO; KITYK, IV; KOLOBANOV, VN; MAKHOV, VN; MIKHAILIN, VV.
ENERGY-BAND STRUCTURE OF LAYERED CDBR2 CRYSTALS
FIZIKA TVERDOGO TELA 27(5), 1565-1567 (1985)
185. ALLSALU, MLY; KONDAKOV, OV; MIKHAILIN, VV; NELIPA, VV; PEDAK, EY.
PHOTOLUMINESCENCE OF SRS DOPED BY SAMARIUM
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 25(5), 99-101 (1984)
186. ALLSALU, MLY; MIKHAILIN, VV; NELIPA, VV; PEDAK, EY.
PHOTOLUMINESCENCE OF SRS PHOSPHOR DOPED BY CERIUM
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 25(2), 78-80 (1984)
187. ALLSALU, M.-L.YU.; KONDAKOV, O.V.; MIKHAILIN, V.V.; NELIPA, V.V.; PEDAK, E.YU..
LUMINESCENCE PARAMETERS OF SAMARIUM-DOPED STRONTIUM SULFIDE
MOSCOW UNIVERSITY PHYSICS BULLETIN 39(5), 101 (1984)
188. ALLSALU, MLY; MIKHAILIN, VV; PEDAK, EY; ROZHDESTVENSKII, MA; TERESHCHENKO, IV.
STUDY OF STRONTIUM SULFIDE IN THE NEAREST IR REGION
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 24(2), 72-74 (1983)
189. GOLOVKOVA, SI; GURVICH, AM; KRAVCHENKO, AI; MIKHAILIN, VV; VASILEV, AN.
ENHANCING AND QUENCHING OF INTRINSIC LUMINESCENCE AND CHARACTERISTIC FEATURES OF CALCIUM TUNGSTATE PHOSPHORESCENCE IN THE PRESENCE OF LANTHANIDES
PHYSICA STATUS SOLIDI A-APPLIED RESEARCH 77(1), 375-380 (1983)
190. ALLSALU, M.-L.YU.; MIKHAILIN, V.V.; PEDAK, E.YU.; ROZHDESTVENSKII, M.A.; TERESHCHENKO, I.V..
INVESTIGATION OF STRONTIUM SULFIDE IN THE NEAR-IR REGION
MOSCOW UNIVERSITY PHYSICS BULLETIN 38(2), 84 (1983)
191. EFANOVA, EP; MIKHAYLIN, VV.
COLOR-CENTERS IN BARIUM SULFIDE PHOSPHORS
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 22(4), 29-32 (1981)

192. ALFEROV, DF; BASHMAKOV, IA; MIKHAILIN, VV; LIVSHITS, AM; LERMAN, AA; CHERENKOV, PA.
MEASUREMENT OF SPECTRAL INTENSITY DISTRIBUTION OF UNDULAR RADIATION
DOKLADY AKADEMII NAUK SSSR 256(3), 574-577 (1981)
193. EFANOVA, E.P.; MIKHAILIN, V.V..
COLOR CENTERS IN BARIUM SULFIDE PHOSPHORS
MOSCOW UNIVERSITY PHYSICS BULLETIN 36(4), 31 (1981)
194. EFANOVA, EP; MALASELA, D; MIKHAILIN, VV; PLACHEV, AA; ALLSALU, MLY; KILK, IR.
ON THE INFLUENCE OF SODIUM ON LUMINESCENCE OF BAS-BI, NA-PHOSPHORS
VESTNIK MOSKOVSKOGO UNIVERSITETA SERIYA 3 FIZIKA ASTRONOMIYA 21(4), 77-79 (1980)
195. EFANOVA, E.P.; MALASELA DU; MIKHAILIN, V.V.; PLACHEV, A.A.; ALLSALU, M.-L.YU.; KIL'K, I.R..
EFFECT OF SODIUM ON LUMINESCENCE OF BAS-BI AND NA-PHOSPHORS
MOSCOW UNIVERSITY PHYSICS BULLETIN 35(4), 90 (1980)
196. ALFEROV, D.F.; BASHMAKOV, YU.A.; BELOVINTSEV, K.A.; BESSONOV, E.G.; LIVSHITS, A.M.; MIKHAILIN, V.V.; CHERENKOV, P.A..
SPECTRUM AND ANGULAR DISTRIBUTION OF UNDULATOR RADIATION
SOVIET TECHNICAL PHYSICS LETTERS 4(6), 251 (1978)
197. DEVYATKOVA, LI; UVAROVA, TV; ESSELBAKH, PB; LOZOVSKII, PM; CHERNOV, SP; MIKHAILIN, VV; SHEPELEV, AV.
VACUUM ULTRAVIOLET LUMINESCENCE OF LAF3 SINGLE-CRYSTALS
JETP LETTERS 27(11), 576 (1978)
198. KHOKHLOV, RV; CHERNOV, SP; ESSELBAKH, PB; LOZOVSKY, PM; LUCHNIK, IN; MIKHAILIN, VV; SHEPELEV, AV.
NEW DEVELOPMENTS .8. POSSIBILITIES OF PUMPING UV LASERS BY SYNCHROTRON RADIATION
NUCLEAR INSTRUMENTS & METHODS 152(1), 265 (1978)
199. MIKHAILIN, VV; CHERNOV, SP; SHEPELEV, AV.
EXPERIMENTAL INVESTIGATION OF MEDIA FOR VACUUM UV LASERS PUMPED BY HIGH-POWER X-RAY SYNCHROTRON RADIATION
KVANTOVAYA ELEKTRONIKA 5(8), 1759 (1978)
200. GURVICH, AM; GUTAN, VB; MELESHKIN, BN; MIKHAILIN, VV; MIKHALEV, AA; TOMBAK, MI.
NATURE OF OPTICALLY-ACTIVE CENTERS IN SELF-ACTIVATED LUMINOPHORS OF CAWO4 TYPE
JOURNAL OF LUMINESCENCE 15(2), 187 (1977)
201. IVANOV, SN; KULIPANOV, GN; LUCHNIK, IN; MIKHAILIN, VV; KHLESTOV, VB; KHUDYAKOV, AV.
VACUUM UV LUMINESCENCE OF OXIDES DURING EXCITATION BY SYNCHROTRON RADIATION IN X-RAY REGION OF A SPECTRUM
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 41(7), 1326 (1977)
202. MIKHAILIN, V.V.; ORANOVSKII, V.E.; PASTRNYAK, I.; PACHESOVA, S.I.; FOK, M.V..
EXCITATION, LUMINESCENCE, AND REFLECTION SPECTRA OF ALUMINIUM NITRIDE IN THE FUNDAMENTAL ABSORPTION REGION
BULLETIN OF THE ACADEMY OF SCIENCES OF THE USSR, PHYSICAL SERIES 40(11), 44 (1976)
203. GURVICH, A.M.; MELESHKIN, B.N.; MIKHAILIN, V.V.; KHUNDZHUA, A.G..
EXCITED OF TUNGSTATE LUMINESCENCE IN THE FUNDAMENTAL ABSORPTION REGION WITH THE USE OF SYNCHROTRON EMISSION
ZHURNAL PRIKLADNOI SPEKTROSKOPII 20(4), 645 (1974)
204. MIKHAILIN, VV.
ELECTRON-STRUCTURE AND LUMINESCENCE OF CRYSTAL PHOSPHORS OF IIA-VIB CLASS
IZVESTIYA AKADEMII NAUK SSSR SERIYA FIZICHESKAYA 37(2), 444 (1973)
205. IVANOV, S.N.; IL'MAS, E.R.; LUSHCHIK, CH.B.; MIKHAILIN, V.V..
PHOTON MULTIPLICATION IN KCL AND NACL CRYSTALS
SOVIET PHYSICS - SOLID STATE 15(5), 1053 (1973)
206. BORISOV, I.N.; KIREEV, P.S.; MIKHAILIN, V.V..
THE STRUCTURE OF ZNSE AND HGSE REFLECTION SPECTRA IN 2-5,64 EV ENERGY RANGE AT 20 DEGREES K
IZVESTIYA AKADEMIA NAUK ARMYANSKOI SSR FIZIKA 6(1), 61 (1971)
207. LEVSHIM, V.L.; MIKHAILIN, V.V.; DIANOVA, I.M.; KULMAN, L.K..
ABSORPTION AND EXCITATION AT THE FUNDAMENTAL ABSORPTION EDGE OF THE CAS PHOSPHOR
OPTIKA I SPEKTROSKOPIA 22(1), 90 (1967)