Сергей Владимирович Стефановский

(5 января 1958 - 11 ноября 2019)

11 ноября 2019 года на 62 году ушел из жизни выдающийся ученый, доктор химических наук, профессор, заведующий лабораторией радиоэкологических и радиационных проблем ИФХЭ РАН, заместитель генерального директора по науке, главный специалист ФГУП “РАДОН” Сергей Владимирович Стефановский.

Сергей Владимирович родился 5 января 1958 года в Новосибирске. В 1979 году окончил Московский институт нефтехимической и газовой промышленности (сейчас РГУ нефти и газа им. И.М. Губкина) по специальности радиационная химия. Работал в Институте физической химии и электрохимии им. А.Н. Фрумкина Российской академии наук, был заведующим лабораторией радиоэкологических и радиационных проблем. Научные направления исследований лаборатории: химия и радиационно-химические превращения трансурановых элементов и технеция, экстракционное и сорбционное разделение радиоактивных элементов, их определение в объектах окружающей среды и технологических растворах; решение проблем обращения с радиоактивными отходами. За годы активной творческой и общественной жизни Сергей Владимирович внес огромный теоретический и практический вклад в решение проблем радиационной защиты и безопасного обращения с радиоактивными отходами. Он был одним из разработчиков перспективных технологий остекловывания жидких и термической переработки твердых радиоактивных отходов. Эти работы были связаны, в том числе, с предприятиием ФГУП «РАДОН», где при активном участии Сергея Владимировича была создана установка для переработки радиоактивных отходов на основе индукционных плавителей с водоохлаждаемым (холодным) тиглем.

Сергей Владимирович был также профессором кафедры химии высоких энергий и радиоэкологии Российского химико-технологического университета им. Д.И. Менделеева. Там, совместно с С.А. Дмитриевым он подготовил учебное пособие «Обращение с радиоактивными отходами» (2000).

Кандидатскую диссертацию «Стеклообразование и структура стекол в натриевых и свинцовых сульфатсодержащих силикатных, боратных и фосфатных системах» Сергей Владимирович защитил в 1989 году, докторскую диссертацию «Композиции и структура стекломатериалов для иммобилизации некоторых типов радиоактивных отходов» - в 1992. Он был в равной степени известен в кругу специалистов по керамикам и стеклам и в сообществе радиохимиков.

Высочайший профессионализм, широта кругозора, полная самоотдача в работе, требовательность и доброжелательность — эти и другие профессиональные и человеческие качества привлекали к Сергею Владимировичу учеников, соратников и друзей. С.В. Стефановский является автором более 150 научных работ, четырех патентов, был научным консультантом нескольких докторских и руководителем многих кандидатских диссертаций.

Источники:

http://old.phyche.ac.ru/?page_id=5205

Памятная статья о С.В. Стефановском: ПАМЯТИ СТЕФАНОВСКОГО СЕРГЕЯ ВЛАДИМИРОВИЧА, ФИЗИКА И ХИМИЯ ОБРАБОТКИ МАТЕРИАЛОВ № 6, 2019, с. 92.

Книга:

Владимир Лебедев, Сергей Стефановский, Сергей Швецов, Управление технологией ИПХТ, подходы к адаптации для переработки ВАО, OmniScriptum Publishing KS, 2015.

Обзор:

СТЕФАНОВСКИЙ, СВ; ЮДИНЦЕВ, СВ.
ТИТАНАТЫ, ЦИРКОНАТЫ, АЛЮМИНАТЫ И ФЕРРИТЫ КАК МАТРИЦЫ ДЛЯ ИММОБИЛИЗАЦИИ АКТИНИДОВ
УСП. ХИМ. 85(9), 962–994 (2016)
[STEFANOVSKY, SV; YUDINTSEV, SV.
TITANATES, ZIRCONATES, ALUMINATES AND FERRITES AS WASTE FORMS FOR ACTINIDE IMMOBILIZATION
RUSSIAN CHEMICAL REVIEWS 85(9), 962-994 (2016)]

Избранные статьи:

1. STEFANOVSKY, SV; PRUSAKOV, IL; STEFANOVSKY, OI; KADYKO, MI; AVERIN, AA; MAKARENKOV, VI; TRIGUB, AL; NIKONOV, BS.
   THE STRUCTURE OF RHENIUM-CONTAINING SODIUM ALUMINO (IRON) PHOSPHATE GLASSES
   INTERNATIONAL JOURNAL OF APPLIED GLASS SCIENCE 10(4), 479-487 (2019)
2. STEFANOVSKY, SV; STEFANOVSKY, OI; PRUSAKOV, IL; KADYKO, MI; AVERIN, AA; NIKONOV, BS.
   SPECIATION OF SULPHATE IONS IN SODIUM ALUMINO(IRON)PHOSPHATE GLASSES
   JOURNAL OF NON-CRYSTALLINE SOLIDS 512, 81-89 (2019)
3. STEFANOVSKY, SV; STEFANOVSKY, OI; DANILOV, SS; KADYKO, MI.
   PHOSPHATE-BASED GLASSES AND GLASS CERAMICS FOR IMMOBILIZATION OF LANTHANIDES AND ACTINIDES
   CERAMICS INTERNATIONAL 45(7), 9331-9338 (2019)
4. YUDINTSEV, SV; STEFANOVSKY, SV; NIKONOV, BS; STEFANOVSKY, OI; NICKOLSKY, MS; SKVORTSOV, MV.
   PHASE FORMATION AT SYNTHESIS OF MURATAITE-CRICHTONITE CERAMICS
   JOURNAL OF NUCLEAR MATERIALS 517, 371-379 (2019)
5. STEFANOVSKY, SV; STEFANOVSKY, OI; PRUSAKOV, IL; KADYKO, MI; NIKONOV, BS; GLAZKOVA, IS.
   SIMULATION OF RADIOACTIVE DECAY BY BARIUM SUBSTITUTION FOR CESIUM IN SODIUM ALUMINUM-IRON PHOSPHATE GLASS

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 319(3), 817-826 (2019)

6. STEFANOVSKY, SV; PTASHKIN, AG; KNYAZEV, IA; STEFANOVSKY, OI; YUDINTSEV, SV; NIKONOV, BS; MYASOEDOV, BF.
COLD CRUCIBLE MELTING AND CHARACTERIZATION OF TITANATE-ZIRCONATE PYROCHLORE AS A POTENTIAL RARE EARTH/ACTINIDE WASTE FORM
CERAMICS INTERNATIONAL 45(3), 3518-3521 (2019)
7. SRVORTSOV, IV; BELOVA, EV; SOKOLOV, IP; RODIN, AV; STEFANOVSKY, SV; MYSOEDOV, BF.
A STUDY OF THERMOLYSIS OF IRRADIATED DIAMIDE-CONTAINING EXTRACTION SYSTEMS WITH NITRIC ACID
NUCLEAR ENGINEERING AND TECHNOLOGY 50(8), 1421-1425 (2018)
8. LIZIN, AA; TOMILIN, SV; POGLYAD, SS; PRYZHEVSKAYA, EA; YUDINTSEV, SV; STEFANOVSKY, SV.
MURATAITE: A MATRIX FOR IMMOBILIZING WASTE GENERATED IN RADIOCHEMICAL REPROCESSING OF SPENT NUCLEAR FUEL
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 318(3), 2363-2372 (2018)
9. MARTYNOV, KV; NEKRASOV, AN; KOTELNIKOV, AR; SHIRYAEV, AA; STEFANOVSKY, SV.
SUBLIQUIDUS PHASE RELATIONS IN THE LOW-ALUMINA SECTION OF THE NA2O-AL2O3-P2O5 SYSTEM AND THE RADIOACTIVE WASTE VITRIFICATION
GLASS PHYSICS AND CHEMISTRY 44(6), 591-600 (2018)
10. DANILOV, SS; STEFANOVSKY, SV; STEFANOVSKAYA, OI; VINOKUROV, SE; MYASOEDOV, BF; TETERIN, YA.
ALUMINUM (IRON) PHOSPHATE GLASSES CONTAINING RARE EARTH AND TRANSURANIUM ELEMENTS: PHASE COMPOSITION, OXIDATION STATE OF NP AND PU, AND HYDROLYTIC DURABILITY
RADIOCHEMISTRY 60(4), 434-439 (2018)
11. STEFANOVSKII, SV; STEFANOVSKAYA, OI; SEMENOVA, DV; KADYKO, MI; DANILOV, SS.
PHASE COMPOSITION, STRUCTURE, AND HYDROLYTIC STABILITY OF SODIUM-ALUMINUM(IRON) PHOSPHATE GLASS CONTAINING RARE-EARTH OXIDES
GLASS AND CERAMICS 75(3-4), 89-94 (2018)
12. STEFANOVSKY, SV; PTASHKIN, AG; KNYAZEV, OA; YUDINTSEV, SV; NIKONOV, BS; STEFANOVSKY, OI.
THE EFFECT OF SYNTHESIS CONDITIONS ON THE PHASE COMPOSITION, STRUCTURE, AND CHEMICAL DURABILITY OF URANIUM-BEARING MURATAITE CERAMICS
CERAMICS INTERNATIONAL 44(8), 9773-9779 (2018)
13. STEFANOVSKY, SV; PTASHKIN, AG; STEFANOVSKY, OI; YUDINTSEV, SV; NIKONOV, BS.
THE EFFECT OF SYNTHESIS CONDITIONS ON THE PHASE COMPOSITION AND STRUCTURE OF THORIUM BEARING MURATAITE CERAMICS
CERAMICS INTERNATIONAL 44(4), 4088-4096 (2018)
14. STEFANOVSKY, SV; STEFANOVSKY, OI; KADYKO, MI; NIKONOV, BS.
SODIUM ALUMINUM-IRON PHOSPHATE GLASS-CERAMICS FOR IMMOBILIZATION OF LANTHANIDE OXIDE WASTES FROM PYROCHEMICAL REPROCESSING OF SPENT NUCLEAR FUEL
JOURNAL OF NUCLEAR MATERIALS 500, 153-165 (2018)
15. STEFANOVSKY, SV; MASLAKOV, KI; TETERIN, YA; KALMYKOV, SN; DANILOV, SS; TETERIN, AY; IVANOV, KE.
OXIDATION STATE OF NEPTUNIUM AND PLUTONIUM AND THEIR LEACHING FROM SODIUM-ALUMINUM-(IRON) PHOSPHATE GLASSES
DOKLADY PHYSICAL CHEMISTRY 478(1), 6-10 (2018)
16. BELOVA, EV; DZHIVANOVA, ZV; MYASOEDOV, BF; STEFANOVSKY, SV.
DYNAMICS OF GAS RELEASE DURING THERMAL OXIDATION OF TBP SOLUTIONS IN ISOPAR-M IN TWO-PHASE SYSTEM
MRS ADVANCES 3(21), 1181-1190 (2018)
17. MARTYNOV, KV; ZAKHAROVA, EV; STEFANOVSKY, SV; MYASOEDOV, BF.
THE EFFECT OF PHOSPHATE MELT COOLING RATE ON PHASE COMPOSITION AND LEACH RESISTANCE OF FINAL WASTE FORM
MRS ADVANCES 3(20), 1085-1091 (2018)
18. STEFANOVSKY, SV; STEFANOVSKY, OI; PRUSAKOV, IL.
NAGELSCHMIDTITE AS A CANDIDATE HOST PHASE FOR ACTINIDES, RARE EARTH AND DIFFERENT WASTE ELEMENTS

MRS ADVANCES 3(20), 1073-1083 (2018)
19. STEFANOVSKY, SV; SHIRYAEV, AA; TETERIN, YA; KALMYKOV, SN; GLAZKOVA, YS.
OXIDATION STATE AND COORDINATION SURROUNDING OF IRON AND URANIUM IN SODIUM ALUMINUM IRON PHOSPHATE GLASSES
RADIOCHEMISTRY 59(6), 562-569 (2017)
20. STEFANOVSKY, SV; STEFANOVSKY, OI; MYASOEDOV, BF; VINIKUROV, SE; DANILOV, SS; NIKONOV, BS; MASLAKOV, KI; TETERIN, YA.
THE PHASE COMPOSITION, STRUCTURE, AND HYDROLYTIC DURABILITY OF SODIUM-ALUMINUM-(IRON)-PHOSPHATE GLASSY MATERIALS DOPED WITH LANTHANUM, CERIUM, EUROPIUM, AND GADOLINIUM OXIDES
JOURNAL OF NON-CRYSTALLINE SOLIDS 471, 421-428 (2017)
21. MASLAKOV, KI; TETERIN, YA; STEFANOVSKY, SV; KALMYKOV, SN; TETERIN, AY; IVANOV, KE.
XPS STUDY OF URANIUM-CONTAINING SODIUM-ALUMINUM-IRON-PHOSPHATE GLASSES
JOURNAL OF ALLOYS AND COMPOUNDS 712, 36-43 (2017)
22. DANILOV, SS; VINOKUROV, SE; STEFANOVSKY, SV; MYASOEDOV, BF.
HYDROLYTIC DURABILITY OF URANIUM-CONTAINING SODIUM ALUMINUM (IRON) PHOSPHATE GLASSES
RADIOCHEMISTRY 59(3), 259-263 (2017)
23. YUDINTSEV, SV; PERVUKHINA, AM; MOKHOV, AV; MALKOVSKY, VI; STEFANOVSKY, SV.
INFLUENCE OF PHOSPHATE GLASS RECRYSTALLIZATION ON THE STABILITY OF A WASTE MATRIX TO LEACHING
DOKLADY EARTH SCIENCES 473(2), 427-432 (2017)
24. STEFANOVSKY, SV; YUDINTSEV, SV; SHIRYAEV, AA; MURZIN, VY; TRIGUB, AL.
PHASE PARTITIONING AND URANIUM SPECIATION IN BRANNERITE-BASED CERAMICS
JOURNAL OF THE EUROPEAN CERAMIC SOCIETY 37(2), 771-777 (2017)
25. GLAZKOVA, IS; KALMYKOV, SN; PRESNIAKOV, IA; SOBOLEV, AV; STEFANOVSKY, OI; STEFANOVSKY, SV; VINOKUROV, SE; MYASOEDOV, BF.
IRON OXIDATION STATE AND COORDINATION, AND HYDROLYTIC DURABILITY OF SODIUM-ALUMINUM IRON PHOSPHATE GLASSES
PROGRESS IN NUCLEAR ENERGY 94, 235-239 (2017)
26. STEFANOVSKY, SV; STEFANOVSKY, OI; REMIZOV, MB; KOZLOV, PV; BELANOVA, EA; MAKAROVSKY, RA; MYASOEDOV, BF.
SODIUM-ALUMINUM-IRON PHOSPHATE GLASSES AS LEGACY HIGH LEVEL WASTE FORMS
PROGRESS IN NUCLEAR ENERGY 94, 229-234 (2017)
27. STEFANOVSKY, SV; SKVORTSOV, MV; STEFANOVSKY, OI; NIKONOV, BS; KALMYKOV, S; PRESNIAKOV, IA; GLAZKOVA, IS.
DEVELOPMENT AND CHARACTERIZATION OF GLASSY MATERIALS FOR HLW IMMOBILIZATION WITH DATOLITE AND BENTONITE AS GLASS FORMING ADDITIVES
MRS ADVANCES 2(10), 569-575 (2017)
28. STEFANOVSKY, SV; SKVORTSOV, MV; STEFANOVSKY, OI; NIKONOV, BS; PRESNIAKOV, IA; GLAZKOVA, IS; PTASHKIN, AG.
PREPARATION AND CHARACTERIZATION OF BOROSILICATE GLASS WASTE FORM FOR IMMOBILIZATION OF HLW FROM WWER SPENT NUCLEAR FUEL REPROCESSING
MRS ADVANCES 2(11), 583-589 (2017)
29. STEFANOVSKY, SV; SKVORTSOV, IV; BELOVA, EV; RODIN, AV.
STUDY OF THERMAL AND RADIATION STABILITY OF THE EXTRACTANT BASED ON CMPO IN FLUORINATED SULFONES
MRS ADVANCES 2(12), 641-647 (2017)
30. BELOVA, EV; DZHIVANOVA, ZV; SMIRNOV, AV; KADYKO, MI; STEFANOVSKY, SV.
THE EFFECT OF IRRADIATION ON THE THERMAL STABILITY OF TBP SOLUTIONS IN ISOPAR-M
MRS ADVANCES 2(11), 627-633 (2017)
31. BELOVA, EV; DZHIVANOVA, ZV; TKHORZHNITSKY, GP; STEFANOVSKY, SV.
THE EFFECT OF IRRADIATION WITH ACCELERATED ELECTRONS ON THE EXTRACTION OF PU WITH 30% SOLUTION OF TBP IN ISOPAR-M

PROGRESS IN NUCLEAR ENERGY 94, 202-207 (2017)
32. STEFANOVSKY, SV; YUDINTSEV, SV; VINOKUROV, SE; MYASOEDOV, BF.
CHEMICAL-TECHNOLOGICAL AND MINERALOGICAL-GEOCHEMICAL ASPECTS OF THE RADIOACTIVE WASTE MANAGEMENT
GEOCHEMISTRY INTERNATIONAL 54(13), 1136-1155 (2016)
33. BORISOVA, NE; KOROTKOV, LA; IVANOV, AV; LAPKA, J; PAULENOVA, A; BELOVA, EV; STEFANOVSKY, SV; MYASOEDOV, BF.
NEW POTENTIALITIES OF THE UNEX PROCESS USING POLYHETEROCYCLIC DIAMIDES
RADIOCHEMISTRY 58(6), 606-616 (2016)
34. STEFANOVSKY, SV; STEFANOVSKAYA, OI; KADYKO, MI; NIKONOV, BS; MYASOEDOV, BF.
INFLUENCE OF THE HEAT TREATMENT PROCEDURE AND IRRADIATION ON THE STRUCTURE OF THE ANIONIC MOTIF AND CRYSTALLIZATION OF URANIUM-CONTAINING PHOSPHATE GLASSES
RADIOCHEMISTRY 58(6), 654-661 (2016)
35. BELOVA, EV; NAZIN, ER; SKVORTSOV, IV; SOKOLOV, IP; RODIN, AV; STEFANOVSKY, SV; MYASOEDOV, BF.
THERMAL STABILITY AND RADIATION RESISTANCE OF TRIFLUOROMETHYL PHENYL SULFONE IN THE PRESENCE OF NITRIC ACID
RADIOCHEMISTRY 58(5), 486-490 (2016)
36. STEFANOVSKY, SV; PRESNIAKOV, IA; SOBOLEV, AV; GLAZKOVA, IS; KADYKO, MI; STEFANOVSKY, OI.
THE EFFECT OF ELECTRON IRRADIATION ON THE STRUCTURE AND IRON SPECIATION IN SODIUM ALUMINUM (IRON) PHOSPHATE GLASSES
JOURNAL OF NUCLEAR MATERIALS 476, 262-269 (2016)
37. STEFANOVSKY, SV; STEFANOVSKY, OI; KADYKO, MI.
FTIR AND RAMAN SPECTROSCOPIC STUDY OF SODIUM ALUMINOPHOSPHATE AND SODIUM ALUMINUM-IRON PHOSPHATE GLASSES CONTAINING URANIUM OXIDES
JOURNAL OF NON-CRYSTALLINE SOLIDS 443, 192-198 (2016)
38. BELOVA, EV; DZHIVANOVA, ZV; TKHORZHNITSKII, GP; STEFANOVSKY, SV; MYASOEDOV, BF.
KINETICS OF OXIDATION OF 30% TBP SOLUTIONS IN C13 DILUENT WITH NITRIC ACID: EFFECT OF TEMPERATURE AND GAMMA-IRRADIATION
RADIOCHEMISTRY 58(4), 426-430 (2016)
39. YUDINTSEV, SV; STEFANOVSKY, SV; NIKOL'SKII, MS; STEFANOVSKAYA, OI; NIKONOV, BS.
BRANNERITE, UTI2O6: CRYSTAL CHEMISTRY, SYNTHESIS, PROPERTIES, AND USE FOR ACTINIDE WASTE IMMOBILIZATION
RADIOCHEMISTRY 58(4), 333-348 (2016)
40. STEFANOVSKY, SV; STEFANOVSKAYA, OI; MURZIN, VY; SHIRYAEV, AA; MYASOEDOV, BF.
OXIDATION STATE AND COORDINATION ENVIRONMENT OF URANIUM IN SODIUM IRON ALUMINOPHOSPHATE GLASSES
DOKLADY PHYSICAL CHEMISTRY 468(1), 76-79 (2016)
41. PAKHOMOVA, AS; KRIVOVICHEV, SV; YUDINTSEV, SV; STEFANOVSKY, SV.
POLYSOMATISM AND STRUCTURAL COMPLEXITY: STRUCTURE MODEL FOR MURATAITE-8C, A COMPLEX CRYSTALLINE MATRIX FOR THE IMMOBILIZATION OF HIGH-LEVEL RADIOACTIVE WASTE
EUROPEAN JOURNAL OF MINERALOGY 28(1), 205-214 (2016)
42. STEFANOVSKY, SV; BARINOVA, EA.
STRUCTURE AND HYDROLYTIC DURABILITY OF A GLASS CONTAINING WASTE FROM SPENT TRIBUTYL PHOSPHATE REPROCESSING
RADIOCHEMISTRY 58(2), 203-211 (2016)
43. STEFANOVSKY, SV; STEFANOVSKAYA, OI; KADYKO, MI; REMIZOV, MB; KOZLOV, PV; BELANOVA, EA; MYASOEDOV, BF.
PHASE COMPOSITION AND STRUCTURE OF SODIUM ALUMINOPHOSPHATE BASED GLASS MATERIALS DEPENDING ON THEIR SYNTHESIS CONDITIONS
DOKLADY PHYSICAL CHEMISTRY 466(2), 32-36 (2016)
44. STEFANOVSKY, SV; MURZIN, VY; REMIZOV, MB; MYASOEDOV, BF.
XAFS STUDY OF IRON AND NICKEL SPECIATION IN COMPLEX SODIUM ALUMINOPHOSPHATE BASED GLASSES
MRS ADVANCES 1(63-64), 4209-4214 (2016)

45. STEFANOVSKY, SV; STEFANOVSKY, OI; KADYKO, MI; ZHACHKIN, VA; BOGOMOLOVA, LD.
THE EFFECT OF ELECTRON IRRADIATION ON THE STRUCTURE OF SODIUM ALUMINUM-IRON PHOSPHATE GLASSES
MRS ADVANCES 1(63-64), 4227-4232 (2016)
46. STEFANOVSKY, SV; STEFANOVSKY, OI; REMIZOV, MB; BELANOVA, EA; KOZLOV, PV; GLAZKOVA, YS; SOBOLEV, AV; PRESNIAKOV, IA; KALMYKOV, SN; MYASOEDOV, BF.
FTIR AND MOSSBAUER SPECTROSCOPIC STUDY OF SODIUM-ALUMINUM-IRON PHOSPHATE GLASSY MATERIALS FOR HIGH LEVEL WASTE IMMOBILIZATION
JOURNAL OF NUCLEAR MATERIALS 466, 142-149 (2015)
47. YUDINTSEV, SV; STEFANOVSKY, SV; STEFANOVSKAYA, OI; NOVIKOV, BS; NIKOL'SKII, MS.
PHASE DISTRIBUTION OF URANIUM IN MATRICES FOR IMMOBILIZATION OF THE RARE EARTH-ACTINIDE FRACTION OF HIGH-LEVEL WASTE
RADIOCHEMISTRY 57(6), 640-651 (2015)
48. STEFANOVSKY, SV; STEFANOVSKY, OI; KADYKO, MI; PRESNIAKOV, IA; MYASOEDOV, BF.
THE EFFECT OF FE2O3 SUBSTITUTION FOR AL2O3 ON THE PHASE COMPOSITION AND STRUCTURE OF SODIUM-ALUMINUM-IRON PHOSPHATE GLASSES
JOURNAL OF NON-CRYSTALLINE SOLIDS 425, 138-145 (2015)
49. STEFANOVSKY, SV; REMIZOV, MB; BELANOVA, EA; KOZLOV, PV; MAKAROVSKY, RA; STEFANOVSKAYA, OI; NIKONOV, BS.
PHASE COMPOSITION, STRUCTURE, AND HYDROLYTIC DURABILITY OF PHOSPHATE GLASS MATERIALS FOR IMMOBILIZING LIQUID HIGHLY LEVEL WASTE RICH IN-IRON-GROUP ELEMENTS
GLASS PHYSICS AND CHEMISTRY 41(5), 489-499 (2015)
50. GLAZKOVA, YS; KALMYKOV, SN; PRESNIAKOV, IA; SOBOLEV, AV; STEFANOVSKAYA, OI; STEFANOVSKY, SV; VINOKUROV, SE; MYASOEDOV, BF.
OXIDATION STATE AND COORDINATION OF IRON IN SODIUM-ALUMINUM-IRON PHOSPHATE GLASSES AND THEIR HYDROLYTIC STABILITY
DOKLADY PHYSICAL CHEMISTRY 463(1), 145-149 (2015)
51. GLAZKOVA, YS; KALMYKOV, SN; PRESNYAKOV, IA; STEFANOVSKAYA, OI; STEFANOVSKY, SV.
THE STRUCTURAL STATE OF IRON IN MULTICOMPONENT ALUMINUM IRON BOROSILICATE GLASS DEPENDING ON THEIR COMPOSITION AND SYNTHESIS CONDITIONS
GLASS PHYSICS AND CHEMISTRY 41(4), 367-377 (2015)
52. STEFANOVSKY, SV; STEFANOVSKAYA, OI; VINOKUROV, SE; DANILOV, SS; MYASOEDOV, BF.
PHASE COMPOSITION, STRUCTURE, AND HYDROLYTIC DURABILITY OF GLASSES IN THE NA2O-AL2O3-(FE2O3)-P2O5 SYSTEM AT REPLACEMENT OF AL2O3 BY FE2O3
RADIOCHEMISTRY 57(4), 348-355 (2015)
53. YUDINTSEV, SV; LIZIN, AA; LIVSHITS, TS; STEFANOVSKY, SV; TOMILIN, SV; EWING, RC.
ION-BEAM IRRADIATION AND CM-244-DOPING INVESTIGATIONS OF THE RADIATION RESPONSE OF ACTINIDE-BEARING CRYSTALLINE WASTE FORMS
JOURNAL OF MATERIALS RESEARCH 30(9), 1516-1528 (2015)
54. YUDINTSEV, SV; STEFANOVSKY, SV; KALENOVA, MY; NIKONOV, BS; NIKOL'SKII, MS; KOSHCHEEV, AM; SHCHEPIN, AS.
MATRICES FOR IMMOBILIZATION OF THE RARE EARTH-ACTINIDE WASTE FRACTION, SYNTHESIZED BY COLD CRUCIBLE INDUCTION MELTING
RADIOCHEMISTRY 57(3), 321-333 (2015)
55. LIVSHITS, TS; ZHANG, JM; YUDINTSEV, SV; STEFANOVSKY, SV.
NEW TITANATE MATRICES FOR IMMOBILIZATION OF REE-ACTINIDE HIGH-LEVEL WASTE
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY 304(1), 47-52 (2015)
56. YUDINTSEV, SV; STEFANOVSKY, SV; NIKONOV, BS; NIKOL'SKII, MS; LIVSHITS, TS.
POTENTIAL MATRICES FOR IMMOBILIZATION OF THE RARE EARTH-ACTINIDE FRACTION OF HIGH-LEVEL WASTE IN THE REE2ZR2O7-REE2TI2O7 SYSTEM
RADIOCHEMISTRY 57(2), 187-199 (2015)
57. GLAZKOVA, YS; KALMYKOV, SN; SOBOLEV, AV; PRESNYAKOV, IA; STEFANOVSKAYA, OI; STEFANOVSKY, SV; MYASOEDOV, BF.

OXIDATION STATE AND LOCAL ENVIRONMENT OF IRON IN MULTICOMPONENT ALUMINOBOROSILICATE GLASSES
DOKLADY PHYSICAL CHEMISTRY 460(2), 27-32 (2015)

58. YUDINTSEV, SV; STEFANOVSKY, SV.
CERIUM VALENCE IN MATRICES FOR ACTINIDE IMMOBILIZATION
DOKLADY CHEMISTRY 460(1), 21-25 (2015)
59. REMIZOV, MB; BELANOVA, EA; STEFANOVSKY, SV; MYASOEDOV, BF; NIKONOV, BS.
PHASE COMPOSITION AND STRUCTURE OF MOLYBDENUM-, COPPER-, AND CESIUM-CONTAINING SODIUM ALUMINOPHOSPHATE GLASSY MATERIALS FOR IMMOBILIZATION OF HIGH LEVEL WASTES OF NUCLEAR REACTORS
GLASS PHYSICS AND CHEMISTRY 40(5), 534-542 (2014)
60. STEFANOVSKY, SV; MYASOEDOV, BF; REMIZOV, MB; BELANOVA, EA.
IR AND RAMAN SPECTROSCOPY OF SODIUM-ALUMINOPHOSPHATE GLASSES FOR IMMOBILIZING HIGH-LEVEL WASTES FROM SPENT NUCLEAR FUEL REPROCESSING
JOURNAL OF APPLIED SPECTROSCOPY 81(4), 618-623 (2014)
61. STEFANOVSKY, SV; MYASOEDOV, BF; REMIZOV, MB; KOZLOV, PV; BELANOVA, EA; SHIRYAEV, AA; ZUBAVICHUS, YV.
CESIUM SPECIATION IN ALUMINOPHOSPHATE-BASED GLASS-CRYSTALLINE MATERIALS FOR IMMOBILIZATION OF HIGH LEVEL WASTE FROM URANIUM-GRAPHITE CHANNEL REACTOR SPENT NUCLEAR FUEL REPROCESSING
DOKLADY CHEMISTRY 457, 148-153 (2014)
62. MALININA, GA; STEFANOVSKY, SV.
STRUCTURE AND VIBRATIONAL SPECTRA OF SLAGS PRODUCED FROM RADIOACTIVE WASTE
JOURNAL OF APPLIED SPECTROSCOPY 81(2), 200-204 (2014)
63. YUDINTSEV, SV; STEFANOVSKY, SV; NIKONOV, BS.
A PYROCHLORE-BASED MATRIX FOR ISOLATION OF THE REE-ACTINIDE FRACTION OF WASTES FROM SPENT NUCLEAR FUEL REPROCESSING
DOKLADY EARTH SCIENCES 454(1), 54-58 (2014)
64. LAVEROV, NP; OMEL'YANENKO, BI; YUDINTSEV, SV; STEFANOVSKY, SV; NIKONOV, BS.
GLASSES FOR IMMOBILIZATION OF LOW- AND INTERMEDIATE-LEVEL RADIOACTIVE WASTE
GEOLOGY OF ORE DEPOSITS 55(2), 71-95 (2013)
65. PAKHOMOVA, AS; KRIVOVICHEV, SV; YUDINTSEV, SV; STEFANOVSKY, SV.
SYNTHETIC MURATAITE-3C, A COMPLEX FORM FOR LONG-TERM IMMOBILIZATION OF NUCLEAR WASTE: CRYSTAL STRUCTURE AND ITS COMPARISON WITH NATURAL ANALOGUES
ZEITSCHRIFT FUR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS 228(3), 151-156 (2013)
66. PAKHOMOVA, AS; KRIVOVICHEV, SV; STEFANOVSKY, SV; YUDINTSEV, SV.
STRUCTURAL INVESTIGATIONS OF SYNTHETIC MEMBERS OF MURATAITE-PYROCHLORE POLYSOMATIC SERIES
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES 69, S436-S436 (2013)
67. STEFANOVSKY, SV; YUDINTSEV, SV; MYASOEDOV, BF.
RADIATION EFFECTS IN AMERICIUM-DOPED ZIRCONATE CERAMICS
DOKLADY CHEMISTRY 447, 296-299 (2012)
68. STEFANOVSKY, SV; PURANS, JJ.
CESIUM SPECIATION IN NUCLEAR WASTE GLASSES
PHYSICS AND CHEMISTRY OF GLASSES-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART B 53(5), 186-190 (2012)
69. STEFANOVSKY, SV; FOX, KM; MARRA, JC; SHIRYAEV, AA; ZUBAVICHUS, YV.
STRUCTURAL FEATURES OF HIGH-FE2O3 AND HIGH-AL2O3/FE2O3 SRS HLW GLASSES
PHYSICS AND CHEMISTRY OF GLASSES-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART B 53(4), 158-166 (2012)
70. MALININA, GA; STEFANOVSKY, SV; STEFANOVSKAYA, OI.
PHASE COMPOSITION AND STRUCTURE OF BORON-FREE AND BORON-CONTAINING SODIUM ALUMINUM IRON SILICATE GLASS MATERIALS FOR SOLID RADIOACTIVE WASTE IMMOBILIZATION
GLASS PHYSICS AND CHEMISTRY 38(3), 280-289 (2012)

71. STEFANOVSKY, SV; SOROKALETOVA, AN; NIKONOV, BS.
PHASE COMPOSITION AND ELEMENTAL PARTITIONING IN GLASS-CERAMICS CONTAINING HIGH-NA/AL HIGH LEVEL WASTE
JOURNAL OF NUCLEAR MATERIALS 424(1-3), 75-81 (2012)
72. LAVEROV, NP; YUDINTSEV, SV; STEFANOVSKY, SV; EWING, RC.
PHASE COMPOSITION AND RADIATION STABILITY OF MATRICES FOR ISOLATION OF REE-ACTINIDE WASTE
DOKLADY EARTH SCIENCES 443(2), 526-531 (2012)
73. LAVEROV, NP; OMEL'YANENKO, BI; YUDINTSEV, SV; STEFANOVSKY, SV.
CONFINEMENT MATRICES FOR LOW- AND INTERMEDIATE-LEVEL RADIOACTIVE WASTE
GEOLOGY OF ORE DEPOSITS 54(1), 1-16 (2012)
74. MALININA, GA; STEFANOVSKY, OI; STEFANOVSKY, SV.
GLASS CERAMICS FOR INCINERATOR ASH IMMOBILIZATION
JOURNAL OF NUCLEAR MATERIALS 416(1-2), 230-235 (2011)
75. LAVEROV, NP; URUSOV, VS; KRIVOVICHEV, SV; PAKHOMOVA, AS; STEFANOVSKY, SV; YUDINTSEV, SV.
MODULAR NATURE OF THE POLYSOMATIC PYROCHLORE-MURATAITE SERIES
GEOLOGY OF ORE DEPOSITS 53(4), 273-294 (2011)
76. PAKHOMOVA, AS; KRIVOVICHEV, SV; STEFANOVSKY, SV; YUDINTSEV, SV.
STRUCTURAL INVESTIGATIONS OF SYNTHETIC ANALOGUES OF MURATAITE
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES 67, C573-C574 (2011)
77. TETERIN, AY; MASLAKOV, KI; TETERIN, YA; IVANOV, KE; YUDINTSEV, SV; STEFANOVSKY, SV; LIVSHITS, TS; LAPINA, MI.
THE XPS STUDY OF PYROCHLORE MATRIXES FOR THE RADIOACTIVE WASTE DISPOSAL
NUCLEAR TECHNOLOGY & RADIATION PROTECTION 25(3), 157-163 (2010)
78. TETERIN, AY; MASLAKOV, KI; TETERIN, YA; IVANOV, KE; LIVSHITS, TS; YUDINTSEV, SV; STEFANOVSKY, SV; LAPINA, MI.
THE XPS STUDY OF THE STRUCTURE OF URANIUM-CONTAINING CERAMICS
NUCLEAR TECHNOLOGY & RADIATION PROTECTION 25(2), 107-113 (2010)
79. STEFANOVSKY, SV; LEBEDEV, VV; SUNTSOV, DY; NIKONOV, BS; OMEL'YANENKO, BI; AKATOV, AA; MARRA, JC.
INFLUENCE OF THE CONTENT OF RADIOACTIVE WASTES WITH HIGH CONCENTRATIONS OF ALUMINUM, SODIUM, AND IRON OXIDES ON THE PHASE COMPOSITION AND STRUCTURE OF GLASSY MATERIALS PREPARED IN A "COLD CRUCIBLE"
GLASS PHYSICS AND CHEMISTRY 36(4), 419-430 (2010)
80. AKATOV, AA; NIKONOV, BS; OMEL'YANENKO, BI; STEFANOVSKAYA, OI; STEFANOVSKY, SV; SUNTSOV, DY; MARRA, JC.
INFLUENCE OF THE CONTENT OF A SURROGATE OF IRON ALUMINATE HIGH-LEVEL WASTES ON THE PHASE COMPOSITION AND STRUCTURE OF GLASSY MATERIALS FOR THEIR IMMOBILIZATION
GLASS PHYSICS AND CHEMISTRY 36(1), 45-52 (2010)
81. KRIVOVICHEV, SV; YUDINTSEV, SV; STEFANOVSKY, SV; ORGANOVA, NI; KARIMOVA, OV; URUSOV, VS.
MURATAITE-PYROCHLORE SERIES: A FAMILY OF COMPLEX OXIDES WITH NANOSCALE PYROCHLORE CLUSTERS
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION 49(51), 9982-9984 (2010)
82. LAVEROV, NP; YUDINTSEV, SV; LIVSHITS, TS; STEFANOVSKY, SV; LUKINYKH, AN; EWING, RC.
SYNTHETIC MINERALS WITH THE PYROCHLORE AND GARNET STRUCTURES FOR IMMOBILIZATION OF ACTINIDE-CONTAINING WASTES
GEOCHEMISTRY INTERNATIONAL 48(1), 1-14 (2010)
83. AKATOV, AA; NIKONOV, BS; OMEL'YANENKO, BI; STEFANOVSKY, SV; MARRA, JC.
STRUCTURE OF BOROSILICATE GLASSY MATERIALS WITH HIGH CONCENTRATIONS OF SODIUM, IRON, AND ALUMINUM OXIDES
GLASS PHYSICS AND CHEMISTRY 35(3), 245-259 (2009)
84. STEFANOVSKY, SV; SHIRYAEV, AA; ZUBAVITCHUS, JV; VELIGJANIN, AA; MARRA, JC.
VALENCE STATE AND SPECIATION OF URANIUM IONS IN BOROSILICATE GLASSES WITH A HIGH IRON AND ALUMINUM CONTENT

GLASS PHYSICS AND CHEMISTRY 35(2), 141-148 (2009)
85. YUDINSEV, SV; LUKINYKH, AN; TOMILIN, SV; LIZIN, AA; STEFANOVSKY, SV.
ALPHA-DECAY INDUCED AMORPHIZATION OF CM-DOPED GD2TIZRO7
JOURNAL OF NUCLEAR MATERIALS 385(1), 200-203 (2009)
86. STEFANOVSKY, SV; MARRA, JC; SHIRYAEV, AA; ZUBAVICHUS, YV.
URANIUM SPECIATION AND GLASS NETWORK STRUCTURE OF VITRIFIED SAVANNAH RIVER SITE SLUDGE BATCH 2 (SB2) WASTE SURROGATE
GLASS TECHNOLOGY-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART A 50(1), 47-52 (2009)
87. MASLAKOV, KI; STEFANOVSKY, SV; TETERIN, AY; TETERIN, YA; MARRA, JC.
X-RAY PHOTOELECTRON STUDY OF LANTHANIDE BOROSILICATE GLASS
GLASS PHYSICS AND CHEMISTRY 35(1), 21-27 (2009)
88. STEFANOVSKY, SV; VARLAKOVA, GA; STARTSEVA, IV; YUDUNTSEV, SV; NIKONOV, BS; LAPINA, MI.
LEACH RATES OF URANIUM AND THORIUM FROM MURATAITE CERAMICS
RADIOCHIMICA ACTA 97(1), 17-21 (2009)
89. WEBER, WJ; NAVROTSKY, A; STEFANOVSKY, S; VANCE, ER; VERNAZ, E.
MATERIALS SCIENCE OF HIGH-LEVEL NUCLEAR WASTE IMMOBILIZATION
MRS BULLETIN 34(1), 46-53 (2009)
90. KOBELEV, AP; STEFANOVSKY, SV; LEBEDEV, VV; POLKANOV, AA; KNYAZEV, OA; MARRA, JC.
COLD CRUCIBLE VITRIFICATION OF THE SAVANNAH RIVER SITE SB2 HLW SURROGATE AT HIGH WASTE LOADING
GLASS TECHNOLOGY-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART A 49(6), 307-312 (2008)
91. BARINOV, AS; VARLAKOVA, GA; STEFANOVSKII, SV; OZHOVAN, MI.
CHANGE OF STRUCTURE AND PROPERTIES OF VITRIFIED RADIOACTIVE WASTES DURING LONG-TIME STORAGE IN AN EXPERIMENTAL REPOSITORY
ATOMIC ENERGY 105(2), 110-117 (2008)
92. STEFANOVSKY, SV; NIKONOV, BS; MARRA, JC.
CHARACTERIZATION OF GLASSY MATERIALS FOR IMMOBILIZATION OF RADIOACTIVE WASTE WITH A HIGH IRON OXIDE CONTENT
GLASS PHYSICS AND CHEMISTRY 34(3), 292-299 (2008)
93. KOBELEV, AP; STEFANOVSKII, SV; LEBEDEV, VV; POLKANOV, MA; KNYAZEV, OA; PTASHKIN, AG; NIKONOV, BS; MARRA, J.
VITRIFICATION OF A SIMULATOR OF SAVANNAH RIVER SITE (USA) WASTES WITH HIGH IRON AND ALUMINUM CONTENT ON BENCH AND COMMERCIAL FACILITIES WITH A COLD CRUCIBLE
ATOMIC ENERGY 104(5), 381-386 (2008)
94. STEFANOVSKY, SV; NIKONOV, BS; MARRA, JC.
CHARACTERIZATION OF THE GLASS-CERAMIC MATERIAL PREPARED UPON VITRIFICATION OF AN IRON-CONTAINING SURROGATE OF HIGH-LEVEL WASTES IN A COLD CRUCIBLE
GLASS PHYSICS AND CHEMISTRY 33(6), 576-586 (2007)
95. STEFANOVSKY, SV; YUDINTSEV, SV; PEREVALOV, SA; STARTSEVA, IV; VARLAKOVA, GA.
LEACH RESISTANCE OF MURATAITE-BASED CERAMICS CONTAINING ACTINIDES
JOURNAL OF ALLOYS AND COMPOUNDS 444, 618-620 (2007)
96. YUDINTSEV, SV; STEFANOVSKY, SV; NIKONOV, BS; MASLAKOV, KI; PTASHKIN, AG.
STRUCTURAL CHARACTERIZATION OF PU-BEARING MURATAITE CERAMIC
JOURNAL OF ALLOYS AND COMPOUNDS 444, 606-609 (2007)
97. STEFANOVSKY, SV; PTASHKIN, AG; KNYAZEV, OA; DMITRIEV, SA; YUDINTSEV, SV; NIKONOV, BS.
INDUCTIVE COLD CRUCIBLE MELTING OF ACTINIDE-BEARING MURATAITE-BASED CERAMICS
JOURNAL OF ALLOYS AND COMPOUNDS 444, 438-442 (2007)
98. LIAN, J; YUDINTSEV, SV; STEFANOVSKY, SV; WANG, LM; EWING, RC.
ION BEAM IRRADIATION OF U-, TH- AND CE-DOPED PYROCHLORES
JOURNAL OF ALLOYS AND COMPOUNDS 444, 429-433 (2007)
99. KOBELEV, AP; STEFANOVSKII, SV; ZAKHARENKO, VN; POLKANOV, MA; KNYAZEV, OA; LASHCHENOVA, TN; PTASHKIN, AG; HOLTZSCHEITER, E; MARRA, J.

VITRIFICATION OF A SURROGATE FOR HIGH-LEVEL WASTES FROM THE SAVANNAH RIVER FACILITY (USA) IN A COMMERCIAL COLD-CRUCIBLE FACILITY
ATOMIC ENERGY 102(5), 369-374 (2007)

100. KOBELEV, AP; STEFANOVSKII, SV; ZAKHARENKO, VN; POLKANOV, MA; KNYAZEV, OA; LASHCHENOVA, TN; PTASHKIN, AG; HOLTZSCHEITER, E; MARRA, J.
VITRIFICATION OF A SURROGATE FOR HIGH-LEVEL WASTES FROM THE SAVANNAH RIVER PLANT (USA) ON A COLD-CRUCIBLE BENCH FACILITY
ATOMIC ENERGY 102(4), 277-286 (2007)

101. LAVEROV, NP; YUDINTSEV, SV; STEFANOVSKY, SV; OMEL'YANENKO, BI; NIKONOV, BS.
MURATAITE AS A UNIVERSAL MATRIX FOR IMMOBILIZATION OF ACTINIDES
GEOLOGY OF ORE DEPOSITS 48(5), 335-356 (2006)

102. PEREVALOV, SA; STEFANOVSKY, SV; YUDINTSEV, SV; MOKHOV, AV; PTASHKIN, AG.
LEACHING OF NEPTUNIUM FROM GARNET- AND MURATAITE-BASED CERAMICS
RADIOCHIMICA ACTA 94(9-11), 509-514 (2006)

103. ORLOVA, AI; ORLOVA, VA; ORLOVA, MP; BYKOV, DM; STEFANOVSKII, SV; STEFANOVSKAYA, OI; NIKONOV, BS.
THE CRYSTAL-CHEMICAL PRINCIPLE IN DESIGNING MINERAL-LIKE PHOSPHATE CERAMICS FOR IMMOBILIZATION OF RADIOACTIVE WASTE
RADIOCHEMISTRY 48(4), 330 (2006)

104. ORLOVA, AI; ORLOVA, MP; SOLOV'EVA, EM; LOGINOVA, EE; DEMARIN, VT; KAZANTSEV, GN; SAMOILOV, SG; STEFANOVSKII, SV.
LANTHANIDES IN PHOSPHATES WITH THE STRUCTURE OF WHITLOCKITE MINERAL [ANALOG OF BETA-CA-3(PO4)(2)]
RADIOCHEMISTRY 48(6), 561 (2006)

105. BULKA, GR; VINOKUROV, VM; GALEEV, AA; DENISENKO, GA; KHASANOVA, NM; KANUNNIKOV, GV; NIZAMUTDINOV, NM; STEFANOVSKY, SV; TRUL, AY.
SPECIFIC FEATURES OF THE SUBSTITUTION OF FE3+ IMPURITY IONS FOR ZR4+ IN NAZR2(PO4)(3) SINGLE CRYSTALS
CRYSTALLOGRAPHY REPORTS 50(5), 827-835 (2005)

106. LIAN, J; WANG, LM; EWING, RC; YUDINTSEV, SV; STEFANOVSKY, SV.
ION-BEAM-INDUCED AMORPHIZATION AND ORDER-DISORDER TRANSITION IN THE MURATAITE STRUCTURE
JOURNAL OF APPLIED PHYSICS 97(11), - (2005)

107. URUSOV, VS; ORGANOVA, NI; KARIMOVA, OV; YUDINTSEV, SV; STEFANOVSKII, SV.
SYNTHETIC "MURATAITES" AS MODULAR MEMBERS OF A PYROCHLORE-MURATAITE POLYSOMATIC SERIES
DOKLADY EARTH SCIENCES 401(2), 319-325 (2005)

108. SOBOLEV, IA; DMITRIEV, SA; LIFANOV, FA; KOBELEV, AP; STEFANOVSKY, SV; OJOVAN, MI.
VITRIFICATION PROCESSES FOR LOW, INTERMEDIATE RADIOACTIVE AND MIXED WASTES
GLASS TECHNOLOGY 46(1), 28-35 (2005)

109. LIAN, J; WANG, LM; EWING, RC; YUDINTSEV, SV; STEFANOVSKY, SV.
THERMALLY INDUCED PHASE DECOMPOSITION AND NANOCRYSTAL FORMATION IN MURATAITE CERAMICS
JOURNAL OF MATERIALS CHEMISTRY 15(6), 709-714 (2005)

110. IOUDINTSEVA, TS; YUDINTSEV, SV; STEFANOVSKY, SV.
SYNTHESIS OF ZIRCONATE-TITANATE PYROCHLORES
LITHOS 73(1-2), S51-S51 (2004)

111. TETERIN, YA; STEFANOVSKII, SV; YUDINTSEV, SV; BEK-UZAROV, GN; TETRERIN, AY; MASLAKOV, KI; UTKIN, IO.
X-RAY PHOTOELECTRON STUDY OF CALCIUM CERIUM TITANATE CERAMICS
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY 49(1), 87-94 (2004)

112. STEFANOVSKY, SV; YUDINTSEV, SV; GIERE, R; LUMPKIN, GR.
NUCLEAR WASTE FORMS
GEOLOGICAL SOCIETY, LONDON, SPECIAL PUBLICATIONS 236 (1), 37-63

113. MINEEV, VN; VLASOV, AS; PARSHIN, AP; MEL'NIKOV, SA; SHUL'GIN, AS; ZEIGARNIK, YA; VAL'YANO, GE; AKOPOV, FA; TRAKTUEV, OM; STEFANOVSKII, SV.
FORMATION OF MINERAL-LIKE MATRICES FOR IMMOBILIZATION OF FUEL AND FISSION PRODUCTS DURING A SERIOUS ACCIDENT IN A NUCLEAR REACTOR
ATOMIC ENERGY 95(6), 852-855 (2003)
114. LAVEROV, NP; YUDINTSEV, SV; YUDINTSEVA, TS; STEFANOVSKY, SV; EWING, RC; LIAN, J; UTSUNOMIYA, S; WANG, LA.
EFFECT OF RADIATION ON PROPERTIES OF CONFINEMENT MATRICES FOR IMMOBILIZATION OF ACTINIDE-BEARING WASTES
GEOLOGY OF ORE DEPOSITS 45(6), 423-451 (2003)
115. YUDINTSEV, SV; STEFANOVSKY, SV; JANG, YN; EWING, RC.
X-RAY STUDY OF ACTINIDE HOST-PHASES FORMATION
GEOCHIMICA ET COSMOCHIMICA ACTA 66(15A), A866-A866 (2002)
116. LAVEROV, NP; YUDINTSEV, SV; STEFANOVSKY, SV; JANG, Y; LAPINA, MI; SIVTSOV, AV; EWING, R.
PHASE TRANSFORMATIONS DURING SYNTHESIS OF ACTINIDE MATRICES
DOKLADY EARTH SCIENCES 385(6), 671-675 (2002)
117. YUDINTSEV, SV; STEFANOVSKII, SV; JANG, YN; CHE, S.
X-RAY DIFFRACTION ANALYSIS OF PHASE FORMATION IN SYNTHESIS OF ACTINIDE MATRICES
GLASS AND CERAMICS 59(7-8), 237-241 (2002)
118. TOLSTOVA, OV; LASHCHENOVA, TN; STEFANOVSKII, SV.
BASALT-BASED GLASS MATERIALS FOR IMMOBILIZING MEDIUM-LEVEL WASTE
GLASS AND CERAMICS 59(5-6), 212-215 (2002)
119. ABOUKAIS, A; BOGOMOLOVA, LD; DESHKOVSKAYA, AA; JACHKIN, VA; KRASIL'NIKOVA, NA; PRUSHINSKY, SA; TRUL, OA; STEFANOVSKY, SV; ZHILINSKAYA, EA.
EPR OF SILICA AND FLUORIDE GLASSES IMPLANTED WITH TITANIUM AND ZIRCONIUM
OPTICAL MATERIALS 19(2), 295-306 (2002)
120. LAVEROV, NP; YUDINTSEV, SV; STEFANOVSKII, SV; JANG, YN; BAE, IK; CHAE, S.
PHASE TRANSITIONS IN SYNTHESIS OF ACTINOID MATRICES
DOKLADY AKADEMII NAUK 385(4), 1 (2002)
[LAVEROV, NP; YUDINTSEV, SV; STEFANOVSKII, SV; JANG, YN; BAE, IK; CHAE, S.
PHASE FORMATION DURING THE SYNTHESIS OF ACTINIDE MATRICES
DOKLADY EARTH SCIENCES 383(2), 190-193 (2002)]
121. LAVEROV, NP; YUDINTSEV, SV; STEFANOVSKII, SV; JANG, YN.
ON THE NEW ACTINIDE MATRIXES WITH PYROCHLORE STRUCTURE
DOKLADY AKADEMII NAUK 381(3), 399 (2001)
[LAVEROV, NP; YUDINTSEV, SV; STEFANOVSKII, SV; JANG, YN.
NEW ACTINIDE MATRIX WITH PYROCHLORE STRUCTURE
DOKLADY EARTH SCIENCES 381(9), 1053-1056 (2001)]
122. YUDINTSEV, SV; STEFANOVSKII, SV; KIR'YANOVA, OI; LIAN, J; EWING, R.
RADIATION RESISTANCE OF FUSED TITANIUM CERAMIC FOR ACTINIDE IMMOBILIZATION
ATOMIC ENERGY 90(6), 487-494 (2001)
123. BOGOMOLOVA, LD; KRASIL'NIKOVA, NA; PRUSHINSKY, SA; TRUL, OA; STEFANOVSKY, SV.
EPR OF FLUOROALUMINATE GLASSES IMPLANTED WITH TITANIUM
JOURNAL OF NON-CRYSTALLINE SOLIDS 282(2-3), 329-332 (2001)
124. BOGOMOLOVA, LD; STEFANOVSKY, SV; TROOLE, AY; VANCE, ER.
EPR SPECTRA OF V (IV) IN ZIRCONOLITE-RICH CERAMICS
JOURNAL OF MATERIALS SCIENCE 36(5), 1213-1217 (2001)
125. LAVEROV, NP; YUDINTSEV, SV; STEFANOVSKY, SV; LIAN, J; EWING, R.
RESEARCH ON RADIATION STABILITY OF ACTINIDE WASTE FORMS
DOKLADY AKADEMII NAUK 376(5), 665 (2001)
[LAVEROV, NP; YUDINTSEV, SV; STEFANOVSKY, SV; LIAN, J; EWING, R.
RADIATION STABILITY OF ACTINIDE MATRICES
DOKLADY EARTH SCIENCES 377(2), 175-177 (2001)]
126. LAVEROV, NP; YUDINTSEV, SV; OMEL'YANENKO, BI; NIKONOV, BS; STEFANOVSKII, SV.

MURATAITE CERAMICS FOR THE IMMOBILIZATION OF ACTINIDES
GEOLOGY OF ORE DEPOSITS 41(2), 85-93 (1999)

127. BOGOMOLOVA, LD; JACHKIN, VA; PRUSHINSKY, SA; DMITRIEV, SA; STEFANOVSKY, SV; TEPLYAKOV, YG; CACCAVALE, F.
PARAMAGNETIC SPECIES INDUCED BY ION IMPLANTATION OF PB+ AND C+ IONS IN OXIDE GLASSES
JOURNAL OF NON-CRYSTALLINE SOLIDS 241(2-3), 174-183 (1998)

128. CHERNYAVSKAYA, NE; OCHKIN, AV; CHIZHEVSKAYA, SV; STEFANOVSKII, SV.
PEROVSKITE AS A MATRIX FOR INCORPORATION OF LONG-LIVED RADIONUCLIDES
RADIOCHEMISTRY 40(6), 591-592 (1998)

129. LAVEROV, NP; SOBOLEV, IA; STEFANOVSKII, SV; YUDINTSEV, SV; OMEL'YANENKO, BI; NIKONOV, BS.
MURATAITE - A NOVEL SYNTHETIC MINERAL FOR ACTINIDE IMMOBILIZATION
DOKLADY AKADEMII NAUK 362(5), 670-672 (1998)

130. STEFANOVSKII, SV; YUDINTSEV, SV; NIKONOV, BS; OMEL'YANENKO, BI; DAY, RA; VANCE, ER.
POLYMINERAL MATRIX OF HIGH-LEVEL WASTE (HLW)
DOKLADY AKADEMII NAUK 360(1), 96-99 (1998)

131. YUDINTSEV, SV; OMEL'YANENKO, BI; STEFANOVSKII, SV; OCHKIN, AV; CHIZHEVSKAYA, SV.
SINTERED ZIRCONOLITE CERAMICS FOR IMMOBILIZATION OF RADIOACTIVE WASTE CONTAINING ACTINIDE
JOURNAL OF ADVANCED MATERIALS , 91 (1998)

132. PETROV, GA; STEFANOVSKY, SV; OJOVAN, MI; NIKONOV, BS.
TECHNOLOGY OF FORMATION OF WASTE BLOCKS FROM HETEROGENEOUS MELTS OF HIGHLY ENERGETIC SYSTEMS
PHYS. CHEM. MATER. TREAT. 6, 78 (1998)

133. STEFANOVSKY, SV; NIKONOV, BS; OMELIANENKO, BI; YUDINTSEV, SV; YAKUSHEV, AI.
SYNTHETIC FUSED MATERIALS BASED ON ZIRCONOLITE FOR IMMOBILIZATION OF RADIOACTIVE WASTES
PHYS. CHEM. MAT. TREAT. 6, 111 (1997)

134. BOGOMOLOVA, LD; JACHKIN, VA; PRUSHINSKY, SA; STEFANOVSKY, SV; TEPLYAKOV, YG; CACCAVALE, F.
EPR STUDY OF PARAMAGNETIC SPECIES IN OXIDE GLASSES IMPLANTED WITH NITROGEN
JOURNAL OF NON-CRYSTALLINE SOLIDS 220(2-3), 109-126 (1997)

135. LAVEROV, NP; OMELYANENKO, BI; YUDINTSEV, SV; NIKONOV, BS; SOBOLEV, IA; STEFANOVSKII, SV.
MINERALOGY AND GEOCHEMISTRY OF MATRICES FOR THE IMMOBILIZATION OF HIGH-LEVEL RADIOACTIVE WASTES
GEOLOGY OF ORE DEPOSITS 39(3), 179-193 (1997)

136. STEFANOVSKII, SV; KNYAZEV, OA.; LASHCHENOVA, TN; MERLIN, S.
STRUCTURE AND PROPERTIES OF VITRIFIED SIMULATED RADIOACTIVE WASTE PRODUCED BY INDUCTION MELTING IN A COLD CRUCIBLE
JOURNAL OF ADVANCED MATERIALS 3(6), 479 (1996)

137. STEFANOVSKII, SV; KNYAZEV, OA; YUDINTSEV, SV; NIKONOV, BS; OMEL'YANENKO, BI; DAY, RA; VANCE, ER.
SYNTHESIS AND CHARACTERISTICS OF SYNROC MATERIAL PRODUCED BY INDUCTION MELTING IN A COLD CRUCIBLE
JOURNAL OF ADVANCED MATERIALS 3(3), 268 (1996)

138. SOBOLEV, IA; LIFANOV, FA; STEFANOVSKII, SV; KOBELEV, AP; KORNEV, VI; KNYAZEV, OA; DMITRIEV, SA; TSVESHKO, ON.
VITRIFICATION OF RADIOACTIVE WASTES USING THE COLD CRUCIBLE INDUCTION MELTING METHOD
FIZ. KHIM. OBRAB. MATER. (4-5), 161 (1994)

139. KUZ'MIN, AY; PURANS, YY; SAZONOV, AI; STEFANOVSKII, SV.
X-RAY ABSORPTION SPECTRA OF CESIUM IONS IN SODIUM BOROSILICATE AND ALUMOPHOSPHATE GLASSES
JOURNAL OF APPLIED SPECTROSCOPY 58(5-6), 418 (1993)

140. STEFANOVSKII, SV.
IMMOBILISING SULPHATE-BEARING RADIOACTIVE WASTE IN GLASS
PHYSICS AND CHEMISTRY OF MATERIALS TREATMENT 27(2), 157 (1993)

141. OZHOVAN, MI; STEFANOVSKII, SV; KARLINA, OK; GALTSEV, VE.
STRUCTURE OF ASH-SILICATE GLASSY COMPOSITES
RADIOCHEMISTRY 35(3), 344-349 (1993)
142. STEFANOVSKII, SV; IVANOV, IA; GULIN, AN; LIFANOV, FA.
INCLUSION OF SODIUM-CONTAINING RADIOACTIVE-WASTES IN LOAM GLASS
RADIOCHEMISTRY 35(3), 337-343 (1993)
143. SOBOLEV, IA; STEFANOVSKII, SV; LIFANOV, FA.
SYNTHESIS OF A SYNROC CERAMIC FROM THE MELT
RADIOKHIMIA 35, 99 (1993)
[SOBOLEV, IA; STEFANOVSKII, SV; LIFANOV, FA.
SYNTHESIS OF A SYNROC CERAMIC FROM THE MELT
RADIOCHEMISTRY 35(3), 330-336 (1993)]
144. STEFANOVSKII, SV; OZHOVAN, MI; KARLINA, OK.
SPECTROSCOPIC STUDY OF GLASS COMPOSITIONS FOR IMMOBILIZATION OF RADIOACTIVE-WASTES
RADIOCHEMISTRY 34(4), 505-510 (1992)
145. STEFANOVSKY, SV.
EPR AND IR SPECTROSCOPIC STUDY OF THE STRUCTURE OF BOROSILICATE GLASSES FOR IMMOBILIZATION OF RADIOACTIVE WASTE
RADIOKHIMIYA 34(3), 422-427 (1992)
146. STEFANOVSKII, SV; TRUL', OA.
RADIATION-INDUCED PARAMAGNETIC CENTERS AND THE STRUCTURE OF SILICATE GLASSES FOR IMMOBILIZING THE ASHES OF BURNT RADIOACTIVE WASTE MATERIALS
JOURNAL OF APPLIED SPECTROSCOPY 57(3-4), 771 (1992)
147. STEFANOVSKII, SV.
EPR AND IR SPECTROSCOPIC STUDY OF THE STRUCTURE OF BOROSILICATE GLASSES FOR IMMOBILIZING RADIOACTIVE-WASTES
RADIOCHEMISTRY 34(3), 422-427 (1992)
148. IVANOV, IA; GULIN, AN; STEFANOVSKII, SV.
DIFFUSION OF SODIUM-CATIONS AND WATER RESISTANCE OF GLASSES FOR IMMOBILIZING MEDIUM-LEVEL WASTES
RADIOCHEMISTRY 33(5), 547-550 (1991)
149. SAZONOV, AI; KUZ'MIN, AY; PURANS, YY; STEFANOVSKII, SV.
STRUCTURAL STATE OF THE COBALT ION IN SODIUM BORATE AND SODIUM BOROSILICATE GLASSES
JOURNAL OF APPLIED SPECTROSCOPY 55(2), 824 (1991)
150. IVANOV, IA; SEDOV, VM; GULIN, AN; STEFANOVSKII, SV; SHATKOV, VM.
DIFFUSION OF RADIONUCLIDES IN THE GLASSES SIMULATING VITRIFIED RADIOACTIVE WASTES
FIZ. KHIM. STEKLA 17(2), 351 (1991)
151. STEFANOVSKII, SV; IVANOV, IA; GULIN, AN.
IR AND EPR SPECTRA OF ALUMINOBOROSILICATE AND ALUMINOPHOSPHATE GLASSES SIMULATING VITREFIED RADIOACTIVE WASTES
GLASS PHYSICS AND CHEMISTRY 17, 83 (1991)
152. LIFANOV, FA; STEFANOVSKII, SV; ZAKHARENKO, VN; KOBELEV, AP.
ACCELERATING RADIOACTIVE-WASTE VITRIFICATION IN CONTINUOUSLY-RUNNING ELECTRIC FURNACES
ATOMIC ENERGY 69(5), 942-945 (1990)
153. SOBOLEV, IA; LIFANOV, FA; STEFANOVSKII, SV; DMITRIEV, SA; MUSATOV, ND; KOBELEV, AP; ZAKHARENKO, NV.
HANDLING NUCLEAR-POWER STATION WASTES IN A PILOT-PLANT FITTED WITH AN ELECTRICAL BATH OVEN
ATOMIC ENERGY 69(4), 848-852 (1990)
154. STEFANOVSKII, SV; MINAEV, AA; LIFANOV, FA.
GLASSES CONTAINING LEAD FOR IMMOBILIZATION OF RADIOACTIVE-WASTES
RADIOCHEMISTRY 32(3), 286-290 (1990)
155. LIFANOV, FA; STEFANOVSKII, SV.

SILICATE-GLASSES AND VITROCERAMICS FOR IMMOBILIZATION OF RADIOACTIVE ASH ARISING FROM INCINERATION OF ORGANIC WASTES
RADIOCHEMISTRY 32(3), 291-295 (1990)

156. STEFANOVSKII, SV; LIFANOV, FA.
GLASSES FOR IMMOBILIZATION OF SULFATE-CONTAINING RADIOACTIVE-WASTES
RADIOCHEMISTRY 31(6), 746-751 (1989)

157. STEFANOVSKII, SV; LIFANOV, FA.
SYNTHESIS, STRUCTURE, AND PROPERTIES OF BOROSILICATE GLASSES AND GLASS-CRYSTALLINE MATERIALS BASED ON ASHES OF ORGANIC WASTES
IZV. AKAD. NAUK SSSR, NEORG. MATER. 25(3), 5 (1989)

158. STEFANOVSKII, SV; KOCHETKOVA, EI; SOKOLOVA, NP.
STRUCTURE OF GLASSES OF THE SYSTEM NA2O-SIO2(P2O5)-SO3 ACCORDING TO DATA FROM IR SPECTROSCOPY
GLASS PHYSICS AND CHEMISTRY 15(1), 39 (1989)

159. STEFANOVSKII, SV; KOCHETKOVA, EI; SOKOLOVA, NP.
THE STRUCTURE OF GLASSES IN THE SYSTEM NA2O-SIO2(P2O5)-SO3
FIZ. KHIM. STEKLA 15(1), 57 (1989)

160. STEFANOVSKY, SV; LIFANOV, FA.
GLASSES FOR IMMOBILIZATION OF SULFATE CONTAINING RADIOACTIVE WASTES
RADIOKHIMIYA 31, 129 (1989)

161. STEFANOVSKII, SV; MINAEV, AA; LIFANOV, FA.
LEAD-SILICATE GLASSES WITH SODIUM SULPHATE
GLASS AND CERAMICS 46, 142 (1989)

162. SOBOLEV, IA; LIFANOV, FA; STEFANOVSKY, SV; ET AL.
NEUTRALIZATION OF LIQUID RADIOACTIVE WASTE
STEKLO KERAM. (6), 401 (1988)

163. STEFANOVSKII, SV; LIFANOV, FA.
GLASS FORMATION IN THE SYSTEMS NA2O(PBO)-SIO2(B2O3, P2O5)-SO3
FIZ. KHIM. STEKLA 13(2), 299 (1987)