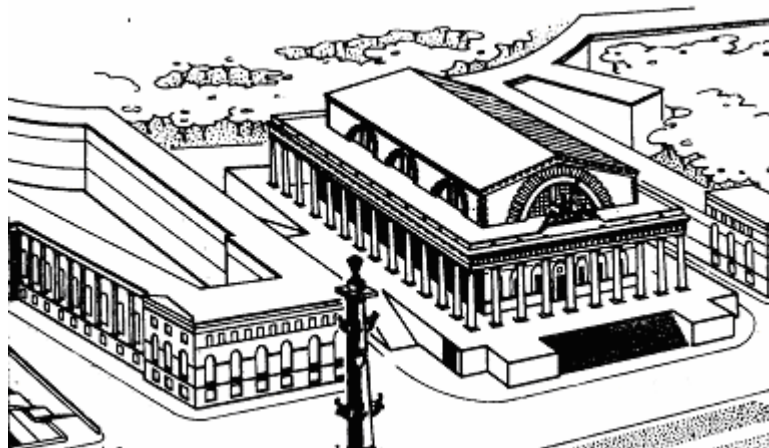


MODERN PROBLEMS OF POLYMER SCIENCE



Program of 14th International Saint Petersburg Conference of Young Scientists

**November 12 – 14, 2018
Saint Petersburg**

TIME TABLE

Monday, November 12	
9-00 – 9-10	Opening Ceremony
9-10 – 11-00	Plenary session
11-00 – 11-30	Coffee Break
11-30 – 13-00	Plenary session
13-00 – 14-00	Lunch
14-00 – 15-30	Section 5. <i>Theory and simulation</i> Section 1. <i>Polymer synthesis and modification</i>
15-30 – 16-00	Coffee Break
16-00 – 17-30	Poster presentations (<i>Section 2 and Section 4</i>)
Tuesday, November 13	
9-30 – 10-45	Section 2. <i>Physico-chemical properties of polymers</i> Section 6. <i>Polymer applications</i>
10-45 – 11-00	A. Lermontov (SocTrade)
11-00 – 11-30	Coffee Break
11-30 – 13-00	Plenary session
13-00 – 14-00	Lunch
14-00 – 15-15	Section 4. <i>Bio-related and medical polymers</i> Section 3. <i>Polymer composite materials</i>
15-15 – 16-00	Coffee Break
16-00 – 17-30	Poster presentations (<i>Section 1 and Section 5</i>)
Wednesday, November 14	
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11-00 – 11-30	Coffee Break
11-30 – 12-30	Section 3. <i>Polymer composite materials</i> Sections 1 and 4. <i>Polymer synthesis and modification</i> <i>Bio-related and medical polymers</i>
12-30 – 13-30	Lunch
13-30 – 15-00	Section 5. <i>Theory and simulation</i> Section 4. <i>Bio-related and medical polymers</i>
15-00 – 15-30	Coffee Break
15-00 – 16-30	Poster presentations (<i>Section 3 and Section 6</i>)
16-30 – 17-00	Closing Ceremony

SCIENTIFIC PROGRAM

Monday, November 12

Plenary session

9-10 – 9-30	Lyulin S. INSTITUTE OF MACROMOLECULAR COMPOUNDS OF THE RUSSIAN ACADEMY OF SCIENCES: ITS PAST, PRESENT, AND FUTURE
9-30 – 10-15	Sheiko S. PROGRAMMABLE DESIGN OF TISSUE-MIMETIC MATERIALS
10-15 – 11-00	Schmid F. WHY “BAD” IS “GOOD”: POLYDISPERSITY IN POLYMERIC NANOSTRUCTURES

Plenary session

11-30 – 12-15	Hoogenboom R. POLY(2-OXAZOLINE)S: FROM FUNDAMENTAL UNDERSTANDING TO BIOMEDICAL APPLICATIONS
12-15 – 13-00	Khutoryanskiy V. EFFICIENT PARTICIPATION IN RESEARCH CONFERENCES

Section 5. Theory and simulation

Big Hall

14-00 – 14-15	<u>Lebedeva I.O.</u> , Zhulina E.B., Borisov O.V. SELF-ASSEMBLY OF LINEAR-DENDRITIC AND DOUBLE DENDRITIC BLOCK COPOLYMERS: FROM SPHERICAL MICELLES TO DENDRIMERSOMES
14-15 – 14-30	<u>Glova A.D.</u> , Falkovich S.G., Larin S.V., Nazarychev V.M., Lyulin S.V. STRUCTURAL PROPERTIES OF OLIGOLACTIDE CHAINS GRAFTED ONTO CELLULOSE NANOCRYSTALS
14-30 – 14-45	<u>Gumerov R.A.</u> , Filippov S.A., Potemkin I.I. COMPUTER SIMULATIONS OF AMPHIPHILIC COPOLYMER MICROGELS IN SOLUTION AND AT THE LIQUID INTERFACE
14-45 – 15-00	<u>Yang X.</u> , Luo M.-B. STUDY ON THE ADSORPTION OF SEMI-FLEXIBLE POLYMER ON HOMOGENEOUS FLAT SURFACE
15-00 – 15-15	<u>Gordievskaya Yu.D.</u> , Kramarenko E.Yu. THE EFFECT OF THE CHAIN RIGIDITY AND COUNTERION SIZE ON THE CONFORMATIONAL BEHAVIOR OF POLYMER CHAINS WITH POLAR GROUPS
15-15 – 15-30	<u>Koch M.</u> , Saphiannikova M., Santer S., Guskova O. LIGHT-INDUCED PHASE TRANSITION OF SUPRAMOLECULAR POLYMERS COMPOSED OF C3-SYMMETRIC AZOBENZENE STARS

Section 1. Polymer synthesis and modification

Small Hall

14-00 – 14-15	<u>Berezianko I.A.</u> , Vasilenko I.V., Kostjuk S.V. SYNTHESIS OF HIGHLY REACTIVE POLYISOBUTYLENE USING IMIDAZOLE-BASED IONIC LIQUIDS AS CATALYSTS: INFLUENCE OF IONIC LIQUID NATURE, CATALYST AGING AND SONICATION
14-15 – 14-30	<u>Chabina A.S.</u> , Nashechkina Y.A. POLYCAPROLACTONE FILMS MODIFICATION BY ARGININE
14-30 – 14-45	<u>Ostanin S.A.</u> , Zuev V.V., Mokeev M.V. AN EXTENDED N-H BOND, DRIVEN BY A CONSERVED SECOND-ORDER INTERACTION, IN CYCLOHEXANE BASED POLYUREAS

14-45 – 15-00	<u>Vaitusionak A.A.</u> , Vasilenko I.V., Grazulevicius J.V., Kostjuk S.V. POLYMERIZATION OF 9-(4-VINYLPHENYL)CARBAZOLE VIA CATIONIC AND RADICAL MECHANISMS: COMPARATIVE STUDY OF STRUCTURE AND PROPERTIES OF THE SYNTHESIZED POLYMERS
15-00 – 15-15	<u>Gubina N.S.</u> , Levina J.V. THE BOOTSTRAP EFFECT IN RAFT COPOLYMERIZATION OF ACRYLIC ACID AND N-BUTYL ACRYLATE MEDIATED BY SYMMETRIC TRITHIOCARBONATES
15-15 – 15-30	<u>Kritchenkov A.S.</u> , Skorik Y.A. THE FIRST APPLICATION OF METAL-CATALYZED AZIDE-NITRILE 1,3-DIPOLAR CYCLOADDITION IN CHITOSAN CHEMISTRY
POSTER PRESENTATIONS	
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Tuesday, November 13	
Section 2. <i>Physicochemical properties of polymers</i>	
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9-30 – 9-45	<u>Anufriev I.A.</u> , Perevyazko I., Lebedeva E.V., Trützschler A.-K., Schubert U.S., Tsvetkov N.V. PHYSICO-CHEMICAL, CONFORMATIONAL AND OPTICAL CHARACTERISTICS OF CATIONIC COPOLYMERS IN SOLUTIONS
9-45 – 10-00	<u>Kirsanov A.I.</u> CREEP BEHAVIOR OF SHORT POLYPROPYLENE FIBERS
10-00 – 10-15	<u>Vorobiov V.K.</u> , Tarasova E.V., Mikli V., Sokolova M.P., Bobrova N.V., Krumme A., Smirnov M.A. ELECTROCHEMICAL PROPERTIES OF FIBROUS MAT BASED ON POLYANILINE
10-15 – 10-30	<u>Fatullaev E.I.</u> , Tarabukina E.B., Abzaeva K.A., Filippov A.P. EFFECT OF METALS ON HYDRODYNAMIC AND CONFORMATIONAL PROPERTIES OF POLYACRYLIC ACID METAL SALTS
10-30 – 10-45	<u>Kovylin R.S.</u> , Ermolaeva C.G., Baten'kin M.A., Kulikova T.I., Zamyshlyayeva O.G., Chesnokov S.A. AMPHIPHILIC FLUORINATED BLOCK-COPOLYMER COATING FOR THE PREPARATION OF HYDROPHOBIC POROUS MATERIALS
10-45 – 11-00	Lermontov A. (SocTrade) TO BE ANNOUNCED
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9-30 – 9-45	<u>Khashirov A.A.</u> , Slonov A.L., Musov I.V., Zhansitov A.A., Rzhavskaya E.V., Khashirova S.Yu. CARBON FIBER FILLED COMPOSITE MATERIALS BASED ON POLYPHENYLENE SULPHONE FOR 3D-PRINTING
9-45 – 10-00	<u>Rostovtseva V.A.</u> , Pulyalina A. Yu., Polotskaya G. A., Toikka A. M. GAS SEPARATION EFFICIENCY OF NANODIAMONDS FILLED POLYIMIDE MEMBRANES
10-00 – 10-15	<u>Kochetkov V.G.</u> , Kablov V.F., Novopoltseva O.M., Kryukova D.A. INVESTIGATION OF INFLUENCE OF MODIFIED KAOLIN FIBERS ON FIRE-PROTECTIVE PROPERTIES OF ELASTOMER COMPOSITIONS
10-15 – 10-30	<u>Shumilov F.A.</u> , Voznyakovskii A.P. REINFORCEMENT OF POLYMER COMPOSITE MATERIALS BY NANOCARBONS
10-30 – 10-45	<u>Tian N.S.</u> , Meleshko T.K., Polotskaya G.A., Zoolshoev Z.F., Gofman I.V., Yakimansky A.V. INFLUENCE OF COPOLYIMIDE BRUSHES AS MODIFIER ON PROPERTIES OF POLYMER MEMBRANES

Plenary session	
11-30 – 12-15	Moustafine R. INTERPOLYELECTROLYTE COMPLEXES OF PHARMACEUTICALLY ACCEPTABLE POLYMERS AS CARRIERS FOR DRUG DELIVERY
12-15 – 13-00	Amorín M. DESIGN AND APPLICATIONS OF CYCLIC PEPTIDE NANOTUBES BASED ON ALPHA, GAMMA- AND DELTA-AMINO ACIDS
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14-00 – 14-15	<u>Michurov D.A.</u> , Kolosova O.Yu., Lozinsky V.I. PROPERTIES OF POLY(VINYL ALCOHOL) CRYOGELS FORMED IN THE PRESENCE OF CHAOTROPIC AGENTS IN DIMETHYLSULFOXIDE MEDIA
14-15 – 14-30	<u>Tsurkan M.</u> , Bessert J., Selzer R., Binner M., Tsurkan S., Carsch D., Werner C. BIOORTHOGONAL APPROACH IN THE DESIGN OF POLYMER MATERIALS FOR TISSUES AND ORGAN PRODUCTION
14-30 – 14-45	<u>Ryabukhina E.V.</u> , Sybachin A.V. DIFFERENTLY CHARGED COMPLEXES OF LIPOSOMES FOR CREATION OF MULTIFUNCTIONAL DRUG SYSTEMS
14-45 – 15-00	<u>Hahn D.</u> , Rüb J.M., Lück S., Freudenberg U., Jordan R., Werner C. FROM NON-FOULING TO CELL-INSTRUCTIVE: BIOHYBRID HYDROGELS WITH ADJUSTABLE PHYSICO-CHEMICAL PROPERTIES
15-00 – 15-15	<u>Poshina D.N.</u> , Raik S.V., Skorik Y.A. ENZYMATIC HYDROLYSIS OF CHITIN AND CHITOSAN: GENERAL THEORY AND APPLICATIONS
Section 3. Polymer composite materials Small Hall	
14-00 – 14-15	<u>Vlasov P.V.</u> , Kuryndin I.S., Elyashevich G.K. STRUCTURE, ELECTROACTIVE AND MECHANICAL PROPERTIES OF THE COMPOSITE SYSTEMS BASED ON POROUS POLYVINYLIDENE FLUORIDE FILMS WITH POLYANILINE LAYERS
14-15 – 14-30	<u>Polyakov I.V.</u> , Vaganov G.V., Yudin V.E., Ivan'kova E.M., Popova E.N., Elokhovskiy V.Yu. ADDITIVE MANUFACTURING AND CHARACTERIZATION OF POLYETHERIMIDE MODIFIED WITH CARBON AND GLASS FIBERS
14-30 – 14-45	<u>Domurath J.</u> , Férec J., Ausias G., Saphiannikova M. VISCOSITY OF DILUTE SUSPENSIONS OF RIGID ANISOMETRIC PARTICLES IN NON-NEWTONIAN FLUIDS
14-45 – 15-00	<u>Sukhova A.A.</u> , Skorik Y.A. STABILIZATION OF NANODIAMOND DISPERSIONS WITH LOW CONCENTRATION CHITOSAN SOLUTIONS IN DIFFERENT ACIDS
15-00 – 15-15	<u>Mikusheva N.G.</u> , Lebedeva E.V., Perevyazko I.Yu., Petrov M.P., Mikhailova M.E., Torlopov M.A., Martakov I.S., Krivoshapkin P.V., Tsvetkov N.V. HETEROAGGREGATION OF METAL OXIDE NANOPARTICLES WITH CELLULOSE NANOCRYSTALS
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Wednesday, November 14

Section 1. Polymer synthesis and modification		Conference Hall
9-30 – 9-45	<u>Satarova S.A.</u> , Sivtsov E.V., Gostev A.I. RAFT POLYMERIZATION IN SYNTHESIS OF COPOLYMERS WITH BLOCK AND GRADIENT MICROSTRUCTURE	
9-45 – 10-00	<u>Neumolotov N.K.</u> , Bekanova M.Z. END GROUP MODIFICATION OF RAFT-BASED POLY(METHYL METHACRYLATE) VIA THERMOLYSIS AND RADICAL-INDUCED REDUCTION	
10-00 – 10-15	<u>Denisova Yu.I.</u> , Zhigarev V.A., Roenko A.V., Gringolts M.L., Shandryuk G.A., Peregudov A.S., Kudryavtsev Y.V. INTERCHAIN EXCHANGE VIA OLEFIN METATHESIS REACTION BETWEEN POLYNORBORNENE AND POLYALKENAMERS	
10-15 – 10-30	Simonova Yu.A. SIGNIFICANT INFLUENCE OF ELECTROLYTE IMPURITIES IN DISTILLED WATER ON THE BEHAVIOR OF RADICAL POLYMERIZATION OF PROTONATED DIALLYLAMMONIUM MONOMERS	
10-30 – 10-45	<u>Vasileva A.A.</u> , Mikhailov V.N. COPPER(I)-CATALYZED AZIDE-ALKYNE CYCLOADDITION AS AN APPROACH FOR A STEP-GROWTH POLYMERIZATION AND SURFACE MODIFICATION	
10-45 – 11-00	<u>Mineeva K.O.</u> , Plutalova A.V., Zaitsev S.D., Chernikova E.V. CONTROL OF THE RELATIVE REACTIVITIES OF MONOMERS IN RAFT COPOLYMERIZATION OF ACRYLIC ACID AND STYRENE	
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9-45 – 10-00	Muratov A.D. MARTINI COARSE-GRAINED MODEL OF THERMOSENSITIVE COMPOUNDS: POLY-N-ISOPROPYLACRILAMIDE AS AN EXAMPLE	
10-00 – 10-15	<u>Boyko O.S.</u> , Tolmachev D.A., Lukasheva N.V., Lyulin S.V., Karttunen M. ATOMISTIC COMPUTER SIMULATION OF THE POLYAMINO ACIDS IN WATER SOLUTIONS	
10-15 – 10-30	Valov A. ONE-DIMENSIONAL KPZ FLUCTUATIONS IN A SIMPLE CONSTRAINED TWO-DIMENSIONAL STOCHASTIC PROCESS	
10-30 – 10-45	<u>Shupanov R.M.</u> , Chertovich A.V. POLYMERIZATION-INDUCED SELF-ASSEMBLY (PISA): COMPUTER SIMULATIONS BY DISSIPATIVE PARTICLE DYNAMICS	
10-45 – 11-00	<u>Melnikova S.D.</u> , Glova A.D., Falkovich S.G., Nazarychev V.M., Larin S.V., Lyulin S.V. STRUCTURAL PROPERTIES OF THE PLA-BASED COMPOSITES FILLED WITH SURFACE-MODIFIED CELLULOSE NANOCRYSTALS AT DIFFERENT TEMPERATURES	
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11-45 – 12-00	<u>Kostromin S.V.</u> , Saprykina N.N., Popova E.N., Bronnikov S.V. MORPHOLOGY AND DIELECTRIC BEHAVIOR OF POLYAZOMETHINE/HYBRID CARBON NANOFILLERS COMPOSITES	

12-00 – 12-15	<u>Zabirov I.N.</u> , Moskalyuk O.A., Tsobkallo E.S., Yudin V.E. STRESS RELAXATION IN NANOCOMPOSITE ORIENTED FIBERS BASED ON POLYPROPYLENE FILLED WITH VGCF
12-15 – 12-30	<u>Bykova E.N.</u> , Gofman I.V., Ivan'kova E.M., Vlasova E.N. IMPACT OF CARBON NANOPARTICLES OF DIFFERENT SHAPES UPON THE HYDROLYTIC STABILITY OF AROMATIC POLYIMIDES BASED COMPOSITE FILMS
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11-45 – 12-00	<u>Raik S.V.</u> , Skorik Y.A. CATIONIC CHITOSAN DERIVATIVES FOR DNA TRANSFECTION
12-00 – 12-15	<u>Gosteva A.A.</u> , Kolbina G.F., Pavlov G.M. FLOW BIREFRINGENCE OF SOME ALKYLATED COPOLYMERS BASED ON N-VINYL AMIDES
12-15 – 12-30	<u>Khavpachev M.A.</u> , Trofimchuk E.S., Nikonorova N.I. STRUCTURAL-MECHANICAL MODIFICATION OF FIBERS BASED ON POLYLACTIDE BY THE MECHANISM OF CRAZING
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13-30 – 13-45	<u>Volgin I.V.</u> , Borzdun N.I., Nazarychev V.M., Larin S.V., Kenny J.M., Luylin S.V. POLYMER AND NANOPARTICLE DYNAMICS IN HETEROCYCLIC POLYMER NANOCOMPOSITES
13-45 – 14-00	<u>Wu F.</u> , Luo M.-B. DRIVEN TRANSLOCATION OF SEMI-FLEXIBLE POLYMER THROUGH NANOPORE
14-00 – 14-15	<u>Dobrovskiy A.Yu.</u> , Nazarychev V.M., Larin S.V., Lyulin A.V., Lyulin S.V. INFLUENCE OF STRUCTURAL ORDERING OF THERMOPLASTIC POLYIMIDES ON MECHANICAL PROPERTIES OF NANOCOMPOSITES AT PRESENCE OF SWCNT
14-15 – 14-30	<u>Dedova S.A.</u> , Schneider K., Heinrich G. THERMO-MECHANICAL ANALYSIS OF TEARING ENERGY IN ELASTOMERS UNDER COMPLEX LOADING CONDITIONS
14-30 – 14-45	<u>Nazarychev V.M.</u> , Toshchevnikov V.P., Larin S.V., Lyulin S.V. INVESTIGATION OF LOCAL ORIENTATIONAL AND TRANSLATIONAL MOBILITY OF POLYIMIDE-BASED NANOCOMPOSITES
14-45 – 15-00	<u>Mikhailov I.V.</u> , Darinskii A.A. INDUCED PERSISTENCE LENGTH OF MOLECULAR BRUSHES WITH GRAFTED DENDRONS
Section 4. <i>Bio-related and medical polymers</i> Cafe "Molecule"	
13-30 – 13-45	<u>Dzhuzha A.U.</u> , Volokitina M.V., Korzhikova-Vlakh E.G. DEVELOPMENT AND STUDY OF THE PROPERTIES OF MONOLITHIC MOLECULARLY IMPRINTED POLYMERIC LAYERS FOR THE DETECTION OF PHENYLALANINE
13-45 – 14-00	<u>Katernyuk Y.V.</u> , Korzhikov-Vlakh V.A. LIGHT-SENSITIVE GLYCOSEAMINOGLYCAN/POLY-L-LYSINE NANOGELS FOR TOPICAL SKIN DRUG DELIVERY

14-00 – 14-15	<u>Kosareva D. N.</u> , Taradeiko T.I., Iozep A.A. CHEMICAL MODIFICATION OF ALGINIC ACID BY BIOLOGICALLY ACTIVE SUBSTANCES
14-15 – 14-30	<u>Averianov I.V.</u> , Stepanova M.A., Solomakha O.A., Gofman I.V., Korzhikov-Vlakh V.A., Korzhikova-Vlakh E.G. BIOFUNCTIONALIZATION OF POLYESTER MATERIALS WITH NANOCRYSTALLINE CELLULOSE GRAFTED WITH POLYLACTIDE AND POLY(GLUTAMIC ACID)
14-30 – 14-45	<u>Golyshev A.A.</u> , Skorik Y.A. CARBOXYACYL CHITOSAN DERIVATIVES AS DRUG CARRIERS FOR TAXANES
14-45 – 15-00	<u>Likhodeeva M.N.</u> , Andreeva A.A., Rolich V.I., Kasyanenko N.A. SYNTHESIS OF GOLD NANOPARTICLES USING COPOLYMER
15-00 – 16-30	POSTER PRESENTATIONS Section 3. <i>Polymer composite materials</i> Section 6. <i>Polymer applications</i>

POSTER PRESENTATIONS

Section 1. *Polymer synthesis and modification*

A.E. Soldatova, A.Y. Tsegelskaya, G.K. Semenova, I.G. Abramov, A.A. Kuznetsov A.N.
SYNTHESIS OF HYPERBRANCHED AND STAR-SHAPED POLYIMIDES IN CATALYTIC MEDIUM

A.A. Zhansitov, A.L. Slonov, A.E., Baykaziev, K.T. Shakhmurzova, A.A. Khashirov, Zh.I. Kurdanova, S.Yu. Khashirova
INFLUENCE OF SYNTHESIS CONDITIONS ON PROPERTIES OF POLY(ETHER ETHER KETONE)

A.N. Blokhin, A.B. Razina, A.V. Tenkovtsev
ALKYL SULFONYL HALIDES AS INITIATORS FOR CATIONIC POLYMERIZATION OF OXAZOLINES

A.N. Blokhin, A.B. Razina, A.E. Bursian, A.V. Tenkovtsev
THERMORESPONSIBLE STAR SHAPED POLYOXAZOLINES WITH CALIX[8]ARENE CORE. THEIR SYNTHESIS AND WATER-SOLUBLE COMPLEXES

A.V. Roenko, A.A. Morontsev, Yu.I. Denisova, M.L. Gringolts, Y.V. Kudryavtsev
STUDY OF POLYMER CROSS-METATHESIS REACTION BETWEEN POLYNORBORNENE AND EPOXY- AND SILICON- CONTAINING POLYMERS

A.A. Morontsev, A.V. Roenko, V.A. Zhigarev, Yu.I. Denisova, M.L. Gringolts, Y.V. Kudryavtsev
COMPARISON OF POLYBUTADIENE, POLYISOPRENE AND POLY(DIALLYLDIMETHYLSILANE) BEHAVIOR IN CROSS-METATHESIS WITH POLYNORBORNENE

A.O. Grigoreva, S.D. Zaitsev
SYNTHESIS AND SELF-ASSEMBLE OF RAFT-COPOLYMERS BASED ON ACRYLIC ACID AND 2,2,3,3,4,4,5,5-OCTAFLUOROPENTYL ACRYLATE

A.B. Alyeva, E.V. Kolyakina, D.F. Grishin
MODIFICATION OF THE HIGH-MOLECULAR ALKOXYAMINE SYNTHESIZED ON THE BASIS OF NITRONE

A.N. Shishkina, A.R. Shigapova
CATALYTIC SYNTHESIS OF POLYANILINE

A.A. Novikova, V.M. Rodin, I.I. Osovskaya, G.A. Emelyanov
STUDY OF SYNTHESIS AND PROPERTIES OF TETRAFLUOROETHYLENE-PROPYLENE COPOLYMERS

A.Yu. Murko, N.I. Gorshkov, A.G. Ivanov, V.D. Krasikov
STUDY OF REACTION COPOLYMERS OF N-VINYLPYRROLIDONE AND N-VINYLAMINE WITH CARBON DISULFIDE BY SPECTRAL AND CHROMATOGRAPHIC METHODS

A.S. Ivanova, I.V. Ivanov, N.V. Zakharova, T.K. Meleshko, A.P. Filippov, A.V. Yakimansky
SYNTHESIS AND INVESTIGATION OF THERMO- AND pH-SENSITIVE GRAFT COPOLYIMIDE WITH POLY(N,N-DIMETHYLAMINO-2-ETHYL METHACRYLATE) SIDE CHAINS

A.R. Egorov, V.N. Badazhkova, Y.A. Skorik, A.S. Kritchenkov
SYNTHESIS OF NOVEL CHITOSAN DERIVATIVE BEARING PYRIDINE CYCLE

A.R. Egorov, A.S. Kritchenkov, N.V. Dubashynskaya, Y.A. Skorik
PRE-CLICK MODIFICATION OF CHITOSAN

Arhipova M.A., Roenko A.V., Denisova Yu.I., Gringolts M.L., Shandryuk G.A., Kudryavtsev Y.V.
CROSS-METATHESIS BETWEEN POLYNORBORNENE AND POLY(5-CARBONYLCYCLOOCTENE-1)

Kuznetsov D.A., Svetlichnyi V.M., Didenko A.L., Smirnova V.E., Vaganov G.V., Popova E.N., Yudin V.E., Kudryavtsev V.V.

EFFECT OF BIS(URETHANE-IMIDE) SEGMENT STRUCTURE ON THE POLY(URETHANE-IMIDE)S MECHANICAL PROPERTIES

D.A. Vendina, M.A. Stepanova, T.B. Tennikova, E.G. Korzhikova-Vlakh
POLYMER MIMICS OF CHYMOTRYPSIN ACTIVE CENTER PREPARED BY MOLECULAR IMPRINTING

A.A. Zakharchenko, D.V. Shokova, M.A. Bulatova, M.A. Vaniev, A.B. Kochnov, I. A. Novakov
INVESTIGATION ON THE FLAME RETARDANT ADDITIVES INFLUENCE ON THE PROPERTIES OF LOW-FLAMMABILITY POLYURETHANE FOAMS

D.A. Voeyko, P.A. Fetin, I.M. Zorin, A.Yu. Bilibin
NEW FLUORESCENT MONOMER BASED ON 1-NAPHTHYLAMINO-4-SULPHONIC ACID FOR THE STUDY OF POLYELECTROLYTE-SURFACTANT COMPLEXES FORMATION

E.R. Zhiganshina, M.V. Arsenyev, M.P. Shurygina, Yu.V. Chechet, N.A. Lenshina, S.A. Chesnokov
BIS-O-BENZOQUINONES AS PHOTOACTIVE COMPONENTS OF VISIBLE LIGHT-INDUCED FREE-RADICAL POLYMERIZATION OF (METH)ACRYLIC OLIGOMERS

Chernova E.O., Zolotova Yu. I., Nazarova O.V., Nekrasova N.N., Bezrukova M.A., Dobrodumov A.V., Panarin E.F.
COPOLYMERS OF 2-METHACRYLOYLOXYETHYL-PHOSPHORYLCHOLINE

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