

4 September, Sunday

17:30-19:00	Registration, ICKC Hall
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5 September, Monday

08:15-9:00	Registration, Congress hall "Dom Uchenykh", 2nd floor
	<u>Joint Session, Congress hall "Dom Uchenykh", 2nd floor</u> Session chair: Andrey Onischuk
09:00-09:10	Opening Ceremony: Renad Sagdeev
09:10-09:20	Welcome Address of SB RAS President Valentin Parmon
09:20-09:30	Voevodsky Award Ceremony
09:30-10:10	Voevodsky Award Lecture 1
10:10-10:50	Voevodsky Award Lecture 2
10:50-11:10	Sergey Dzuba , Double Electron-Electron Resonance of Molecular Clusters in Biological Membranes <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
11:10-11:30	Coffee break
	Session chair: Igor Koptug
11:30-12:10	Zinfer Ismagilov , Catalytic processing of coalbed methane into useful chemical products to reduce the carbon footprint and anthropogenic impact on the climate <i>The Federal Research Center of Coal and Coal Chemistry SBRAS, Kemerovo</i>
12:10-12:30	Nikita Lukzen , Review of magnetic and spin effects in charge separated states in the triads "electron donor - hard molecular bridge - electron acceptor" <i>International Tomography Center SBRAS, Novosibirsk</i>
12:30-13:10	Guenter Grampp (Online) , ESR-Spectroscopy in Ionic Liquids: High Pressure Investigations on the Rotational Dynamics of Some Nitroxides <i>Graz University of Technology, Institute of Physical & Theoretical Chemistry, Austria</i>
13:10-14:30	Lunch break

	<u>Parallel session 1 - Chemical Physics in Biology and Medicine</u> (ICKC Module Compartment)	<u>Parallel session 2 - Chemical Kinetics and Spectroscopy</u> (ICKC Conference hall)	<u>Parallel session 3 - Magnetic Resonance Spectroscopy and Magnetic Field Effects</u> (ITC Conference hall)
Chair:	Sergey Valiulin	Alexey Baklanov	Sergey Dzuba
14:30-14:50	Tatyana Leshina , Using spin chemistry and photochemistry in the chiral model systems to study the role of D amino acids in the Alzheimer's disease <i>Voievodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Vasily Kaichev , In situ XPS and PM IRRAS study of methanol and ethanol oxidation over Pt(111) <i>Boreskov Institute of Catalysis SBRAS, Novosibirsk</i>	Oleg Anisimov , EPR spectra detection by heat release using PVDF films <i>Voievodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
14:50-15:10	Sergei Babailov , Lanthanide complexes with lipids as nonlinear NMR sensors of the local temperature due to both paramagnetic lanthanide-induced shifts and relaxation rates <i>Nikolaev Institute of Inorganic Chemistry SBRAS, Novosibirsk</i>	Stanislav Chizhik , Photo-reversibility and wavelength dependence of excited intermediates in nitro-nitrito linkage isomerization of $[\text{Co}(\text{NH}_3)_5\text{NO}_2]\text{Cl}(\text{NO}_3)$ crystals unveiled by photomechanical response <i>Institute of Solid State Chemistry and Mechanochemistry SBRAS, Novosibirsk</i>	Natalia Chumakova , Capability of spin probe technique in determining of molecular organization of graphite oxide materials <i>Semenov Federal Research Center for Chemical Physics RAS, Moscow</i>
15:10-15:30	Olga Selyutina , The interaction of quinone-chelators with lipid membrane: ^1H NMR and MD study <i>Voievodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Ivan Pozdnyakov , New approaches to determination of the quantum yield of hydroxyl radical generation and its reactivity with persistent contaminants <i>Voievodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Yuri Tsentalovich , NMR-based quantitative metabolomics of biological tissues <i>International Tomography Center SBRAS, Novosibirsk</i>
15:30-15:50	Vitaly Kol'tover (Online) , Nuclear spin catalysis in biochemical reactions driven by biomolecular motors <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Igor Melnikov , Thermal Stability of Dinitrotriazolopyridines and Dinitrobenzotriazoles: Interplay of Thermal Analysis and Computational Chemistry <i>Semenov Federal Research Center for Chemical Physics RAS, Moscow</i>	Alexandra Yurkovskaya , Kinetic evidence for the transiently shifted acidity constant of histidine linked to paramagnetic tyrosine probed by intramolecular electron transfer in oxidized peptides <i>International Tomography Center SBRAS, Novosibirsk</i>
15:50-16:10	Coffee break		

	<u>Parallel session 1 - Combustion and Energetic Materials</u> (ICKC Module Compartment)	<u>Parallel session 2 - Chemical Kinetics and Spectroscopy</u> (ICKC Conference hall)	<u>Parallel session 3 - Magnetic Resonance Spectroscopy and Magnetic Field Effects</u> (ITC Conference hall)
Chair:	Denis Knyazkov	Evgeni Glebov	Leonid Kulik
16:10-16:30	Vladimir Zarko , Erroneous use of balance equations in combustion theory of energetic materials <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Irina Sokolova (Online) , The impact of excilamps radiation on the photodegradation of some phenol derivatives <i>National Research Tomsk State University, Tomsk</i>	Vsevolod Borovkov , Spin statistical factor in the reaction of distant electron transfer <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
16:30-16:50	Oleg Glotov , Burning times of boron, aluminum diboride and aluminum dodecaboride microparticles <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Alexey Baklanov , Nature of Compensation Law and “Exotic” Arrhenius Parameters in Denaturation of Proteins <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Yuri Kandrashkin , Dynamic equilibrium in photoexcited molecular systems <i>Zavoisky Physical-Technical Institute RAS, Kazan</i>
16:50-17:10	Natalia Belousova , Effect of modifier additives on burning rate and condensed combustion products parameters of composite aluminized propellant <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Alexandra Pyryaeva , UV-photoexcitation of oxygen-isoprene collision complexes as a source of singlet oxygen <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Ruslan Zaripov , Endohedral fullerene Sc ₂ @C ₈₀ (CH ₂ Ph) as a standard sample for field calibration <i>Zavoisky Physical-Technical Institute RAS, Kazan</i>
17:10-17:30	Yaroslav Kraft , Ignition and pyrolysis of coal microparticles under the action of pulsed laser radiation <i>The Federal Research Center of Coal and Coal Chemistry SBRAS, Kemerovo</i>	Denis Poydashev (Online) , Structure of mixed molecular clusters and its effect on laser induced intracluster dynamics <i>Institute of Spectroscopy RAS, Troitsk</i>	Ekaterina Kunitsyna (Online) , Functionalization of Er ³⁺ single-ion magnet using ferromagnetic microparticles <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
18:00-19:30	Welcome Mixer, ITC Green (lawn in front of ITC)		

6 September, Tuesday

<u>Joint Session, Congress hall "Dom Uchenykh", 2nd floor</u>	
Session chair: Sergey Aldoshin	
09:00-09:40	Elena Bagryanskaya , Triarymethyl radical and its applications <i>Vorozhtsov Novosibirsk Institute of Organic Chemistry SBRAS, Novosibirsk</i>
09:40-10:00	Nikolay Polyakov , Stereoselectivity of photoinduced interaction of chiral drug S-ketoprofen with enantiomers of tryptophan in phospholipid membranes <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
10:00-10:20	Olesya Krumkacheva , Photoexcited triplet states as spin labels: methodology aspects for pulsed dipolar EPR spectroscopy and application to biomolecules <i>International Tomography Center SBRAS, Novosibirsk</i>
10:20-10:40	Nina Gritsan , First-principles relativistic calculations of the magnetic properties of lanthanide complexes: are quantitative predictions possible? <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
10:40-11:00	Coffee break
Session chair: Matvey Fedin	
11:00-11:30	Sergey Aldoshin , Targeted design of polyfunctional materials for spintronics and molecular electronics <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
11:30-12:10	Yulia Gorbunova , Magnetic materials based on sandwich lanthanide complexes with phthalocyanines <i>Kurnakov Institute of General and Inorganic Chemistry RAS, Frumkin Institute of Physical Chemistry and Electrochemistry RAS, Moscow</i>
12:10-12:30	Eduard Fel'dman , Calculations on a quantum computer performed at IPCP RAS <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
12:30-12:50	Andrei Palii , Spin effects in molecular quantum cellular automata <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
12:50-13:00	Conference photo, in front of "Dom Uchenykh"
13:00-14:30	Lunch break

	<u>Parallel session 1 - Quantum and Theoretical Chemistry</u> (ICKC Module Compartment)	<u>Parallel session 2 - Combustion and Energetic Materials</u> (ICKC Conference hall)	<u>Parallel session 3 - Spintronics</u> (ITC Conference hall)	<u>Parallel session 4 - Magnetic Resonance Spectroscopy and Magnetic Field Effects</u> (ICKC room 101)
Chair:	Nikita Lukzen	Oleg Glotov	Yulia Gorbunova	Victoriya Syryamina
14:30-14:50	Svetlana Laletina , Size-dependent activity of platinum nanoparticles: Theoretical insights from CO adsorption and methanol dehydrogenation <i>Institute of Chemistry and Chemical Technology SBRAS, Krasnoyarsk</i>	Denis Knyazkov , Kinetics and mechanism of thermal decomposition of triphenyl phosphate in flow reactor <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Matvey Fedin , Spin state switching in copper-nitroxide based molecular magnets using the low-energy photons <i>International Tomography Center SBRAS, Novosibirsk</i>	Sergey Veber , X-band EPR spectrometer based on MW bridge with 300 W solid-state amplifier and AWG unit <i>International Tomography Center SBRAS, Novosibirsk</i>
14:50-15:10	Vitaliy Morozov , Jahn-Teller Exchange Clusters in "Breathing" Crystals. Theory of Thermo- and PhotoInduced Spin Crossover Like Transitions <i>International Tomography Center SBRAS, Novosibirsk</i>	Ksenia Osipova , Experimental and numerical study of the structure of NH ₃ /H ₂ /O ₂ /Ar flames at elevated pressures <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Aleksandr Akimov , Effect of Spin-Orbit Coupling on the Sign of Magnetic Anisotropy of Quintet Dinitrenes <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Alexandra Syatova , ³ D ¹⁵ N visualization of a drug hyperpolarized by SABRE approach <i>International Tomography Center SBRAS, Novosibirsk</i>
15:10-15:30	Pavel Frantsuzov , Quantitative theoretical model of single quantum dot blinking <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Vladimir Gordeev , Effect of prescription configuration on properties nanothermite composition Bi ₂ O ₃ /Al/ ¹ Me- ³ H <i>Institute for Problems of Chemical and Energetic Technologies SB RAS, Biysk</i>	Mikhail Kiskin , Single ion magnets based on cobalt(II) carboxylate complexes <i>Kurnakov Institute of General and Inorganic Chemistry RAS, Moscow</i>	Alexey Kiryutin , PHOTO-SABRE Polarization on trans-Azobenzene using Parahydrogen under Light <i>International Tomography Center SBRAS, Novosibirsk</i>
15:30-15:50	Anatoly Ivanov , Charge transfer symmetry breaking in excited quadrupolar molecules in protic solvents <i>Volgograd State University, Volgograd</i>	Leonid Fershtat , Energetic polynitrogen heterocycles: synthesis and performance <i>Zelinsky Institute of Organic Chemistry RAS, Moscow</i>	Nataliya Spitsyna (Online) , Anionic spin-crossover complex of Fe(III) with space symmetry transition and thermal hysteresis around room temperature <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Tatiana Gavrilova , Li ₃ V ₂ (PO ₄) ₃ -based composites as potential cathode materials for lithium-ion batteries: ESR measurements <i>Zavoisky Physical-Technical Institute RAS, Kazan</i>

15:50-16:10	Coffee break		
	<u>Parallel session 1 - Quantum and Theoretical Chemistry</u> (ICKC Module Compartment)	<u>Parallel session 2 - Chemical Physics in Biology and Medicine</u> (ICKC Conference hall)	<u>Parallel session 3 - Spintronics</u> (ITC Conference hall)
Chair:	Nina Gritsan	Tatyana Leshina	Matvey Fedin
16:10-16:30	Elena Shor , Palladium atoms and clusters at ceria nanoparticles: a DFT study <i>Institute of Chemistry and Chemical Technology SBRAS, Krasnoyarsk</i>	Olesya Pokidova , Glutathione and albumin as the main blood components involved in the transformation of nitrosyl iron complexes <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Maxim Chegrev (Online) , Magnetic properties of cobalt dioxolene complexes with tetradentate N-donor base <i>Institute of Physical and Organic Chemistry, Southern Federal University, Rostov-on-Don</i>
16:30-16:50	Olga Syzgantseva , Targeted electronic structure modification in catalysis: a case study of dual-metal catalyst for CO hydrogenation <i>Lomonosov Moscow State University, Moscow</i>	Igor Kirilyuk , Reduction-Resistant Nitroxides <i>Vorozhtsov Novosibirsk Institute of Organic Chemistry SBRAS, Novosibirsk</i>	Maksim Faraonov , Multinuclear complexes of metal phthalocyanines and related macroheterocycles with transition metals and clusters <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
16:50-17:10	Stanislav Fedorenko , Kinetics of Polaron Capture by Traps in a Lithium Niobate Crystal <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Irina Faingold (Online) , In vitro studies of antidiabetic potential of nitrosyl iron complex with thiosulfate ligands <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Anna Kazakova , Effect of dihalide substituents on crystal structure and magnetic properties of cation $[Mn^{III}(3,5-diHal-sal_2323)]^+$ complexes with BPh ₄ anion <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
17:10-17:30	Irina Mirzaeva , Theoretical Study of Conductance through Monoatomic Nanowires <i>Nikolaev Institute of Inorganic Chemistry SBRAS, Novosibirsk</i>	Vasily Ptushenko , Prediction of the pH range of the PsbS-dependent photoprotective response in chloroplasts of <i>Lobosphaera incisa</i> <i>Belozersky Institute of Physico-Chemical Biology MSU, Emanuel Institute of Biochemical Physics RAS, Moscow</i>	Lyubov Nikolenko (Online) , Paramagnetic quantum dots InP@ZnS, doped with manganese ions <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
17:30-19:30	Poster Session, ICKC 3rd floor		

7 September, Wednesday

<u>Joint Session, Congress hall "Dom Uchenykh", 2nd floor</u>	
Session chair: Elena Bagryanskaya	
09:00-09:40	Roald Hoffmann (Online) , The chemical imagination at work in very tight places <i>Cornell University, USA</i>
09:40-10:20	Igor Lomonosov , Chemical physics of extreme states of matter, equations of state for metals, Moon and asteroid materials <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
10:20-10:40	Nikita Muravyev , Screening of Energetic Cocrystals using Thermal Analysis <i>Semenov Federal Research Center for Chemical Physics RAS, Moscow</i>
10:40-11:00	Coffee break
Session chair: Victor Bagryansky	
11:00-11:40	Alexander Kokorin , Spin exchange in biradicals as a model to study long-range interactions <i>Semenov Federal Research Center for Chemical Physics RAS, Moscow</i>
11:40-12:00	Igor Koptug , Chemistry of nuclear spin isomers of symmetric molecules for new scientific and practical applications <i>International Tomography Center SBIRAS, Novosibirsk</i>
12:00-12:20	Vitaliy Berdinskiy (Online) , Nuclear Spin Dependent Enzymatic Synthesis of ATP in Strong Magnetic Fields <i>Orenburg University, Orenburg</i>
12:20-13:00	Vilen Azatyan (Online) , Features of the physicochemical mechanism of combustion, explosion and gas detonation reactions, development of chemical methods of process control <i>Scientific Research Institute for System Analysis RAS, Moscow</i>
13:00-14:30	Lunch break

	<u>Parallel session 1 - Chemical Kinetics and Spectroscopy</u> (ICKC Module Compartment)	<u>Parallel session 2 - Combustion and Energetic Materials</u> (ICKC Conference hall)	<u>Parallel session 3 - Magnetic Resonance Spectroscopy and Magnetic Field Effects</u> (ITC Conference hall)
Chair:	Victor Plyusnin	Vladimir Zarko	Nikita Lukzen
14:30-14:50	Alexander Pomadchik , Kinetics of the template synthesis and acidic decomposition of the methylboron-capped iron(II) tris-dioximate clathrochelates: dramatic changes in the kinetic parameters and schemes in passing from six- to eight-membered alicyclic alpha-dioximes <i>Nesmeyanov Institute of Organoelement Compounds RAS, Moscow</i>	Nikolay Shilkin , Proton radiography of explosively driven targets and static objects <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Alexander Doktorov , The influence of spin relaxation and locally strong spin exchange on magneto-spin effects in radical pairs in high magnetic fields <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
14:50-15:10	Anna Kurokhtina (Online) , Spectroscopic evidence for the substantial catalyst deactivation under “ligand-free” Suzuki-Miyaura reaction with aryl chlorides <i>Irkutsk State University, Irkutsk</i>	Denis Nurmukhametov , Explosive decomposition of high explosives with inclusions of ultrafine metal particles under the influence of pulsed laser radiation <i>The Federal Research Center of Coal and Coal Chemistry SBRAS, Kemerovo</i>	Peter Purtov , Reaction operators for radical pairs <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
15:10-15:30	Galina Loukova (Online) , Ligand-to-metal charge transfer excited states in organometallics <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Valeriy Volkov , Study of laser pyrolysis of coals with analysis of gaseous products <i>The Federal Research Center of Coal and Coal Chemistry SBRAS, Kemerovo</i>	Alexander Khudozhitkov , ² H NMR study of hydrogen bond dynamics and phase transition in a model ionic liquid electrolyte <i>Boreskov Institute of Catalysis SBRAS, Novosibirsk</i>
15:30-15:50	Sergey Khantimerov (Online) , Nanostructured germanium formed by ion implantation method as an anode for lithium-ion batteries <i>Zavoisky Physical-Technical Institute RAS, Kazan</i>	Aleksandr Pyryaev , Gaseous products of the methane pyrolysis in laser initiated Cr/Al ₂ O ₃ nanoparticle evaporation process in methane-argon medium <i>Boreskov Institute of Catalysis SBRAS, Novosibirsk</i>	Ivan Zhukov (Online) , Field dependence of ¹ H optical nuclear polarization in organic molecular crystal powder: experiments and modeling <i>International Tomography Center SBRAS, Novosibirsk</i>

15:50-16:10		Viacheslav Prokopenko (<i>Online</i>) , Features of flame propagation caused by heterogeneous reactions of intermediate particle <i>Merzhanov Institute of Structural Macrokinetics and Materials Science RAS, Chernogolovka</i>	
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8 September, Thursday

<u>Joint Session, Congress hall "Dom Uchenykh", 2nd floor</u>	
Session chair: Sergey Dzuba	
09:00-09:40	Egor Verbitskiy , SNH-reactions and other cross-dehydrogenative coupling processes for the construction of 1,3-/1,4-diazine-based polycyclic systems <i>Postovsky Institute of Organic Synthesis UBRAS, Ekaterinberg</i>
09:40-10:10	Nikolay Surovtsev , Low-frequency Raman spectroscopy of phospholipid membranes <i>Institute of Automation and Electrometry SBRAS, Novosibirsk</i>
10:10-10:40	Lev Krasnoperov , Negative Apparent Activation Energies, V-Shaped Temperature Dependences, and Pressure Dependence of “Simple Metathesis Reactions” with “Negative Barriers” <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
10:40-11:00	Victor Plyusnin , Fast Photophysics Processes and Transient Species in Photochemistry of Ni(S ₂ P(i-Bu) ₂) ₂ Complex in CCl ₄ <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
11:00-11:20	Coffee break
Session chair: Igor Lomonosov	
11:20-11:40	Alexander Cheremisin , Sedimentation of soot particles in dark and under illumination in a rarified gas medium <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
11:40-12:00	Vitaly Kiselev , Modern Predictive Quantum Chemical Calculations for Thermochemistry and Decomposition Kinetics of Energetic Materials <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
12:00-12:20	Olga Fedorova (Online) , Sensing of nucleic acid and associated cellular components with organic fluorescent chemosensors <i>Nesmeyanov Institute of Organoelement Compounds RAS, Moscow</i>
12:20-13:00	Kev Salikhov (Online) , New vision of spin nutation <i>Zavoisky Physical-Technical Institute RAS, Kazan</i>
13:00-14:30	Lunch break

	<u>Parallel session 1 - Organic Photovoltaics</u> (ICKC Module Compartment)	<u>Parallel session 2 - Combustion and Energetic Materials</u> (ICKC Conference hall)	<u>Parallel session 3 - Spintronics</u> (ITC Conference hall)
Chair:	Mikhail Uvarov	Vitaly Kiselev	Mikhail Kiskin
14:30-14:50	Leonid Kulik , Out-of-phase electron spin echo spectroscopy of short-living charge-transfer state in organic photovoltaic composite of P3HT and semiconducting carbon nanotubes <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Igor Valtsifer , Development of fire-extinguishing powder compositions for automatic means of explosion containment <i>Institute of Technical Chemistry UBRAS, Perm</i>	Denis Korchagin , Evidence of field-assisted slow magnetic relaxation in Cu(II) complexes with pentaheterocyclic triphenodioxazines <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
14:50-15:10	Alexandr Bogomolov , Does singlet fission take place in tetracene dimer? <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Konstantin Ukhin , The influence of synthesis parameters on the characteristics of MOs/CB composites and their effectiveness for the thermal decomposition of ammonium perchlorate <i>Institute of Technical Chemistry UBRAS, Perm</i>	Maxim Bakhmetiev , Slow relaxation of anomalous Hall effect in GdFeCo/Ir/GdFeCo <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
15:10-15:30	Alexander Akkuratov (Online) , Tuning the hole mobilities in ordered small-molecule semiconductors by side-chain engineering and fluorine substitution <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Ivan Sorokin , Effect of Me/B-powder on ignition and combustion of HEMs <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Ivan Kurganskii , Spin exchange between triplet ³ CS and ³ LE states in NI-PXZ dyad revealed by TR EPR <i>International Tomography Center SBRAS, Novosibirsk</i>
15:30-15:50	Ilya Kuznetsov (Online) , Synthesis and photovoltaic properties of novel (X-DADAD) _n conjugated polymers with fluorene and phenylene blocks <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Denis Nurmukhametov , Influence of dispersion of coal particles on the characteristics of laser ignition <i>The Federal Research Center of Coal and Coal Chemistry SBRAS, Kemerovo</i>	Valeriya Shtefanets , New erbium (3+) hexafluoroacetylacetonates with spirocyclic photochromes: synthesis, structure, properties <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
15:50-16:10	Coffee break		

	<u>Parallel session 1 - Molecular Dynamics</u> (ICKC Module Compartment)	<u>Parallel session 2 - Combustion and Energetic Materials</u> (ICKC Conference hall)	<u>Parallel session 3 - Spintronics</u> (ITC Conference hall)
Chair:	Alexander Cheremisin	Nikita Muravyev	Alexandra Yurkovskaya
16:10-16:30	Nikolai Medvedev , The structure of ionic liquids in terms of intermolecular voids <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Dmitry Nikolaev , Study of shock compressibility and shock-induced temperature of oxides by Mach cumulative explosive generators <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Aleksandra Tiunova , [Mn(5-Hal-sal ₂ 323)] ₂ [ReCl ₆] (Hal=Cl, Br): the first Mn(III) molecular complexes to exhibit both spin crossover and single-ion magnet effects <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>
16:30-16:50	Alexandra Kim , Molecular dynamics study of the anticancer drug dioxadot transfer across the lipid membrane DOPC <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Valentina Mochalova , Shock initiation of detonation in heterogeneous explosives based on nitromethane <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Danil Markelov , Adiabatic approach to polarize ¹⁵ N nuclei with SABRE at high magnetic fields <i>International Tomography Center SBRAS, Novosibirsk</i>
16:50-17:10	Victor Luzhkov (Online) , Molecular dynamics, molecular mechanics and DFT modeling of the conformational properties of spin-labeled chitosan in water <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Alexander Utkin , Instability of detonation waves in mixtures of tetranitromethane with methanol and nitrobenzene <i>Institute of Problems of Chemical Physics RAS, Chernogolovka</i>	Elizaveta Kononenko , Operando MRI study of a heterogeneous reactor using parahydrogen-induced polarization with antiphase-to-inphase signal shape conversion <i>International Tomography Center SBRAS, Novosibirsk</i>
17:10-17:30	Bulat Farrakhov (Online) , Germanium Nanowires Layer Formed by Ion Implantation and Incoherent-Light Pulse Annealing <i>Zavoisky Physical-Technical Institute RAS, Kazan</i>	Ilya Romanchenko , Transfer of soot aerosol of Siberian forest fires in the stratosphere of 2019 <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Maxim Blagov , The X-ray crystallographic and Mössbauer study of the halide salts of [FeIII(3-OMe-Sal ₂ trien)] ⁺ spin-crossover cation <i>Lomonosov Moscow State University, Moscow</i>
19:00-22:00	Conference Dinner, Restaurant “Kukuruzza”, Academpark, Nikolaeva St. 12/2		

9 September, Friday

	<u>Parallel session 1 - Molecular Dynamics</u> (ICKC Module Compartment)	<u>Parallel session 2 - Chemical Kinetics and Spectroscopy</u> (ICKC Conference hall)	<u>Parallel session 3 - Chemical Physics in Biology and Medicine</u> (ITC Conference hall)
Chair:	Nikolai Medvedev	Ivan Pozdnyakov	Nikolay Polyakov
09:00-09:20	Evgenii Kadtsyn , Voronoi analysis of solutions volumetric properties <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Sergey Cherkasov , The 1,3-dipolar cycloaddition to nitrones and thier photorearrangement as activation methods of alkoxyamine hemolysis <i>Vorozhtsov Novosibirsk Institute of Organic Chemistry SBRAS, Novosibirsk</i>	Polina Kononova , Interactions of the antiviral drug glycyrrhizin and coronavirus E-protein with membrane mimetics by solution NMR studies <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
09:20-09:40	Vladislav Nichiporenko , Concentration-dependent charge scaling as a simple method of force field correction in MD simulation of aqueous alcohol solutions <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Evgeny Kovalev , Effect of Cu(I) additive on sorption by imidazole based ionic liquids studied by in situ ATR-FTIR spectroscopy <i>Boreskov Institute of Catalysis SBRAS, Novosibirsk</i>	Aleksandra Ageeva , Electron and energy transfer processes in linked systems with chiral drugs. Spin chemistry and photochemistry investigation <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
09:40-10:00	Ekaterina Shelepova , On the reason for the increased solubility of CO ₂ in [C _n MIM][NTf ₂] ionic liquids <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Veronika Semionova , Solvent dependent photochromism and emission of diarylethenes with a π -conjugated push-pull system <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Tatyana Kon'kova , Multielemental (boron, gadolinium) nanobiocomposites for multichannel theranostics <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
10:00-10:20	Vladimir Voloshin , Autocorrelation functions of translational and rotational velocities of water molecules and their spectra in computer models <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Alexandra Zima , Correlation between the Reactivity and Selectivity of Low-Spin and High-Spin Oxo-Iron(V) Complexes in the Oxidation of (+)-Sclareolide <i>Boreskov Institute of Catalysis SBRAS, Novosibirsk</i>	Sergey Valiulin , Aerosol inhalation delivery of ceftriaxone in mice <i>Voevodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>
10:20-10:40	Coffee break		

	<u>Parallel session 1 - Quantum and Theoretical Chemistry</u> (ICKC Module Compartment)	<u>Parallel session 2 - Chemical Kinetics and Spectroscopy</u> (ICKC Conference hall)	<u>Parallel session 3 - Magnetic Resonance Spectroscopy and Magnetic Field Effects</u> (ITC Conference hall)
Chair:	Vitaly Kiselev	Alexandr Bogomolov	Sergey Veber
10:40-11:00	Vladimir Andryushchenko , Modeling of FRET-experiments on protein folding <i>Institute of Thermophysics SBRAS, Novosibirsk</i>	Andrey Cherepanov , Experimental and kinetic modeling study of the positive ions in ethylene flames <i>Voievodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Vitaly Kozinenko , Fast field cycling relaxometry of long-lived spin states to probe weak ligand-protein binding <i>International Tomography Center SBRAS, Novosibirsk</i>
11:00-11:20	Anton Gabrienko , DFT approach for the calculation of NMR and IR spectral parameters of olefins on Zn-modified zeolites <i>Boreskov Institute of Catalysis SBRAS, Novosibirsk</i>	Yuliya Zhuravleva , Effect of pH on mechanisms and products of photodamage to tryptophan and tyrosine residues in the free state and a model protein <i>International Tomography Center SBRAS, Novosibirsk</i>	Oleg Salnikov , Mechanistic insight into heterogeneous hydrogenation of methylenecyclobutane with the use of parahydrogen <i>International Tomography Center SBRAS, Novosibirsk</i>
11:20-11:40	Ruslan Zhachuk , Pentamer with interstitial atom as the universal building block of (110), (331), (113) silicon and germanium surfaces <i>Institute of Semiconductor Physics SBRAS, Novosibirsk</i>	Yury Belikov , Efficiency of the FeEDDS complex in the production of OH radicals <i>Voievodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Sergey Ovcherenko , Kinetics of base pair opening-closing process in DNA duplex containing oxoG:C pair and oxoG:A mismatch <i>Vorozhtsov Novosibirsk Institute of Organic Chemistry SBRAS, Novosibirsk</i>
11:40-12:00	Denis Rychkov (Online) , Computational study of direct chemical phenol glycosylation mechanism <i>Institute of Solid State Chemistry and Mechanochemistry SBRAS, Novosibirsk</i>	Yuliya Tyutereva , The use of iron oxalate complexes and potassium persulfate for photodegradation of para-arsanilic acid <i>Voievodsky Institute of Chemical Kinetics and Combustion SBRAS, Novosibirsk</i>	Natalya Fishman , A CIDNP study of the reduction of short-lived thymine radicals by aromatic amino acids <i>International Tomography Center SBRAS, Novosibirsk</i>
12:30-13:10	Farewell, ICKC Conference hall		

Poster session, ICKC 3rd floor (6 September, Tuesday, 17:30-19:30)

P001	Shirin Berdybaeva , Thin-film laser sensor for detection ammonia and hydrogen chloride vapor, Tomsk State University, Tomsk
P002	Nadezhda Bezlepkina , Spectral properties of bromocresol purple, National Research Tomsk State University, Tomsk
P003	Dr. Alexandr Bogomolov , The formation of chemically bonded argon via photoexcitation of Ar-I ₂ van der Waals complex, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P004	Dr. Mark Bushuev , Proton transfer processes and luminescence of ESIPT-capable zinc(II) complexes with imidazole and pyrimidine ligands, Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk
P005	Dr. Galina Dultseva , Unraveling the Mechanism of Gas-to-Particle Conversion in Lower Troposphere: Trap or Trace?, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P006	Kirill Ershov , Saturation effect of secondary emission coefficient on mcp-based multipliers in mass-spectrometry, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P007	Maksim Geniman , Investigation of degenerate electron exchange reactions involving short-lived radicals by the method of time-resolved CIDNP., International Tomography Center SB RAS, Novosibirsk
P008	Dr. Yuriy Glazachev , Properties of newly synthesized sterically shielded nitroxides as the potential spin probes in biological researches, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P009	Dr. Evgeni Glebov , Photochemistry of sodium thiosulfate in aqueous solutions: a lot of radicals, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P010	Polina Kaletina , Study of polymerization of fluorine monomer (1-(2,3,4,5,6-pentafluorophenyl)prop-2-en-1-one), Vorozhtsov Novosibirsk Institute of Organic Chemistry SB RAS, Novosibirsk
P011	Dr. Anna Matveeva , Ways of mechanical energy in cellulose: a simple study, Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk
P012	Alexander Mikheyli , Photochemical Processes of Nickel(II) Xanthate Complex in CCl ₄ , Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P013	Alexey Nazarov , Modelling ultrafast fluorescence dynamics: dependence of the solvent response dynamics on the fluorophore nature, Volgograd State University, Volgograd
P014	Mikhail Novikov , Mechanism of UVC photodegradation of carbamazepine in aqueous solutions, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P015	Dr. Dmitriy Parkhomenko , The Kinetic Solvent Effect on 1,3-Dipolar Cycloaddition of 2,2,5,5-Tetramethyl-3-imidazoline-3-oxide-1-oxyl, Vorozhtsov Novosibirsk Institute of Organic Chemistry SB RAS, Novosibirsk

P016	Eduard Podshivaylov , Presence of Maximal Characteristic Time in Photoluminescence Blinking of MAPbI ₃ Perovskite, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P017	Vladislav Rogoveshko , Experimental measurement of the van der Waals binding energy in (Xe) _n -O ₂ complexes with velocity map imaging technique, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P018	Dr. Andrey Shernyukov , Addition of Br ₂ to a triple bond: radical rather than ionic mechanism, Vorozhtsov Novosibirsk Institute of Organic Chemistry SB RAS, Novosibirsk
P019	Aleksey Taratayko , Study of 4-nitrophenol reduction over graphene oxide modified with Ag and CeO ₂ nanoparticles by in situ UV-vis spectroscopy, Tomsk State University, Tomsk
P020	Grigory Zhdankin , Photochemistry of [IrCl ₆] ³⁻ complex in aqueous solutions, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P021	Dr. Denis Baranov , Preparation of spin-labeled ibuprofen and its interaction with 1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine bilayer, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P022	Anna Gaydamaka , Salts of guanine and xanthine: high-pressure and low-temperature study, Boreskov Institute of Catalysis SB RAS, Novosibirsk
P023	Vladimir Koshman , Lipid peroxidation processes involving thiosemicarbazones, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P024	Eugenia Nemova , The effect of terahertz radiation on the transport characteristics of albumin: binding with metal ions, Institute of Laser Physics SB RAS, Novosibirsk
P025	Nataliya Osik , Reduced Nicotinamide Adenine Dinucleotide is the Natural UV Filter of the Bird Eye Lens, International Tomography Center SB RAS, Novosibirsk
P026	Mariia Plokhotnichenko , Investigation of the antibacterial action of silver nanoparticles after inhalation delivery in laboratory mice, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P027	Alena Pudova , Study of Self-Associates of Polysaccharide Macromolecules in Aqueous Solutions by Dynamic Light Scattering, Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk
P028	Dr. Olga Snytnikova , NMR based metabolomic profiling of brain in rat model of Alzheimer's disease, International Tomography Center SB RAS, Novosibirsk
P029	Dr. Olga Snytnikova , Quantitative metabolomic profiling of blood serum during the autophagy modulation by NMR spectroscopy, International Tomography Center SB RAS, Novosibirsk
P030	Anastasiya Yazikova , Study of the stability of ZIF-8 particles in some buffers and physiological media., International Tomography Center SB RAS, Novosibirsk
P031	Dr. Tatyana Bolshova , The effect of diffusion on the combustion of a sphere of polymethyl methacrylate in air, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk

P032	Dr. Anatoli Chernov , stimation of the characteristic time scale of physicochemical processes in a flame by the PIV, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P033	Tigran Khoranyan , 3-(4'-R-3'-Furazanyl)-5-(nitropyrazoly)-1,2,4-oxadiazoles – a new class of HEDMs., Zelinsky Institute of Organic Chemistry RAS, Moscow
P034	Dr. Alexander Larin , Thermally stable and high-performance energetic materials based on the azo-bridged bifuroxan core, Zelinsky Institute of Organic Chemistry RAS, Moscow
P035	Maria Savastyanova , Synthesis and study of properties of ZrO ₂ -based catalysts, Institute of Technical Chemistry UB RAS, Perm
P036	Egor Shishkin , Discharge setup for generation and study of plasmoid above the water surface: first results, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P037	Ivan Sorokin , A pocket model with a tetrahedral cell for aluminum agglomeration in composite propellants, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P038	Dr. Vyacheslav Teslenko , Influence of forming spark plasmoids on kinetics of propane-oxygen mixture combustion in a closed volume, Lavrentyev Institute of Hydrodynamics SB RAS, Novosibirsk
P039	Dmitry Aleshin , Ligands effects on the magnetic anisotropy in hetero/homoleptic cobalt(II) complexes by NMR spectroscopy and quantum chemical calculations, Nesmeyanov Institute of Organoelement Compounds RAS, Moscow
P040	Alina Arkhipova , Photochemical properties of thiosemicarbazones and its chelate complexes, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P041	Dr. Simon Babenko , Influence of metal ions on the radical yield in photochemical reactions involving quinone-chelators, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P042	Olga Bakulina , Validation of structural grounds for anomalous molecular mobility in ionic liquid glasses, International Tomography Center SB RAS, Novosibirsk
P043	Egor Blinov , The study of the oxidation mechanism of 5-hydroxymethylfurfurol by NMR spectroscopy, Tomsk State University, Tomsk
P044	Aleksandr Efremov , Shaping of MOFs: optimization of ZIF-8 composites upon EPR control, International Tomography Center SB RAS, Novosibirsk
P045	Dr. Tatiana Gavrilova , Magnetic properties of CaCu ₃ Ti ₄ O ₁₂ : Fe solid solutions, Zavoisky Physical-Technical Institute of FRC Kazan Scientific Center RAS, Kazan
P046	Timur Ivanenko , Study of the ¹³ C NMR chemical shifts of nitrobenzene in the acid mixtures, Institute of Chemistry and Chemical Technology SB RAS, Krasnoyarsk
P047	Mikhail Kolokolov , Shaped EPR pulse techniques with different type of spin labels, International Tomography Center SB RAS, Novosibirsk
P048	Zoya Lashchinskaya , MAS NMR spectroscopy for acidity characterization and olefin reaction monitoring on Zn modified zeolites, Boreskov Institute of Catalysis SB RAS, Novosibirsk

P049	Konstantin Lomanovich , EPR study of stable bicyclic functionalized nitroxides: aza-nortropinone-5-methyl-3-oxo-6,8-dizabicyclo[3.2.1]-6-octane 8-oxyls, Vorozhtsov Novosibirsk Institute of Organic Chemistry SB RAS, Novosibirsk
P050	Dr. Ilya Magin , Solid state photo-CIDEP in chiral linked systems, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P051	Anna Mastova , Photoinduced oxidation of lipid membrane in the presence of nonsteroidal anti-inflammatory drug ketoprofen, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P052	Dr. Anna Matveeva , Nitroxide radicals in starch films: structure-feature correlations, Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk
P053	Dr. Anatoly Melnikov , Atomize: open source modular software for working with scientific devices and combining them into a spectrometer, International Tomography Center SB RAS, Novosibirsk
P054	Dr. Anatoly Melnikov , Temperature jump spectroscopy under pulsed THz radiation: a way to measure T1 of magnetically concentrated substances, International Tomography Center SB RAS, Novosibirsk
P055	Dr. Olga Morozova , Time-resolved CIDNP characterization of kynurenic acid radicals generated in photoinduced reactions with tryptophan and tyrosine, International Tomography Center SB RAS, Novosibirsk
P056	Dr. Dmitry Pavlov , The reduction of Ag(I) by N,N-bis(silatranyl)methylamines, EPR study., Irkutsk Institute of Chemistry SB RAS, Irkutsk
P057	Dr. Artem Poryvaev , Blatter-Radical-Grafted Mesoporous Silica as Prospective Nanoplatfrom for Gas Sorption and Spin Manipulation, International Tomography Center SB RAS, Novosibirsk
P058	Bogdan Rodin , An analysis of DNP cross-talk experiments for several nuclei, International Tomography Center SB RAS, Novosibirsk
P059	Arkady Samsonenko , Crystallization of paramagnetic compounds in the gradient magnetic field of a superconducting magnet, International Tomography Center SB RAS, Novosibirsk
P060	Natalya Sannikova , Multicenter EPR-based approach for the study the localization of photosensitizers in biomolecules, International Tomography Center SB RAS, Novosibirsk
P061	Irina Shilova , Molecular mobility of nanocellulose gels studied by paramagnetic probe method, Institute of Problems of Chemical Physics RAS, Chernogolovka
P062	Dr. Ivan Skovpin , Anchored complexes of rhodium and iridium in the hydrogenation of alkynes and olefins with parahydrogen, International Tomography Center SB RAS, Novosibirsk
P063	Anna Smorygina , DEER of Spin-Labeled Stearic Acids in Model Phospholipid Membranes Reveals Alternative Cluster Formation in Two Opposing Leaflets, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P064	Aleksandr Snadin , Constant adiabaticity inverting pulses, International Tomography Center SB RAS, Novosibirsk
P065	Anna Spitsyna , ZIF-8 nanoparticles stability in cell culture media, Vorozhtsov Novosibirsk Institute of Organic Chemistry SB RAS, International Tomography Center SB RAS, Novosibirsk

P066	Sergey Sviyazov , Study of the features of hydrogenation reactions of unsaturated hydrocarbons with parahydrogen, International Tomography Center SB RAS, Novosibirsk
P067	Victoria Syryamina , Comparative study of membrane-active trichogins in lipid membranes, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P068	Viktor Timoshnikov , Redox activity of quinone-chelator Q1 and its chelate complexes with iron ions in cancer cells media. EPR study, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P069	Ivan Trofimov , ¹ H and ¹⁹ F NMR Signal Enhancement Enabled by Spin Polarization-Induced NOE and Parahydrogen-Induced RASER, International Tomography Center SB RAS, Novosibirsk
P070	Sergey Tumanov , Development and characterization of impulse THz heating method using EPR of magnetoactive compounds, International Tomography Center SB RAS, Novosibirsk
P071	Dr. Yulia Vosel , Application of the EPR method in studying of the Mn behavior during the diagenesis of lacustrine carbonate sediments, Sobolev Institute of Geology and Mineralogy SB RAS, Novosibirsk
P072	Stanislav Yakushkin , Electron spin resonance in situ study of Ni catalyst in catalytic transfer hydrogenation reaction conditions, Borekov Institute of Catalysis SB RAS, Novosibirsk
P073	Alexey Anikeenko , Volumetric properties of binary mixtures of carbon tetrachloride with tert-butyl alcohol: a molecular dynamics simulation study, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P074	Dr. Alexey Chichinin , Motion of He, Ne, and Ar atoms and HF molecules inside C ₆₀ cage, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P075	Mikhail Plekhanov , Probing the Structural Mobility of UiO-66 (Zr) MOF in the Presence of Guest Molecules by Means of ² H NMR Spectroscopy, Borekov Institute of Catalysis SB RAS, Novosibirsk
P076	Elena Yakush , The molecular dynamics study of a dioxadet drug properties in water, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P077	Vasilisa Anikeeva , Organic cation dynamics and spectral features in hybrid metal halide perovskites, Institute of Spectroscopy RAS, Troitsk
P078	Dr. Yuri Fedorov , New heterobimetallic ruthenium(II) complex with imidazo[4,5-f][1,10]phenanthroline-based ligand: synthesis, optical and electrochemical properties, Nesmeyanov Institute of Organoelement Compounds RAS, Moscow
P079	Danil Nevostruev , Thienonaphthalimides as promising additive into organic solar cells, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P080	Alexander Steparuk , New D-π-A compounds as electron transport materials for perovskite solar cells, Postovsky Institute of Organic Synthesis UB RAS, Yekaterinburg
P081	Olga Ustimenko , Building block based on 4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene – approach to the novel effective photovoltaic materials, Zelinsky Institute of Organic Chemistry RAS, Moscow

P082	Dr. Mikhail Uvarov , Tetraazapyrene functionalized nitroxide radical TEMPO and its application in polymer:fullerene photovoltaic cells, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P083	Alexandr Dubok , Bending crystal phenomena: computational insight, Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk
P084	Alexander Kipriyanov , Integral Encounter Theory (IET) of the reversible reaction $A + A \leftrightarrow C$, taking into account the force interaction between the reactants, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P085	Alexander Kipriyanov , Non-Markovian kinetic effects in the liquid-phase reaction $A + A \leftrightarrow C$, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P085a	Dr. Svetlana Laletina , Influence of subsurface carbon on methane oxidation on Pd(100), Institute of Chemistry and Chemical Technology SB RAS, Federal Research Center "Krasnoyarsk Science Center SB RAS", Krasnoyarsk
P086	Dr. Nikolai Lavrik , IR spectroscopic study and ab initio calculations of the formation of h-complexes of 1,2,3- benzotriazole with proton acceptor molecules, Voevodsky Institute of Chemical Kinetics and Combustion SB RAS, Novosibirsk
P087	Dr. Sergey Mamylov , Modeling of the glucose into 1,6-anhydro-beta-D-glucopyranose transformation., Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk
P088	Dr. Anton Nizovtsev , Electronic structure of halogen-substituted zinc phthalocyanines, Nikolaev Institute of Inorganic Chemistry SB RAS, Novosibirsk
P089	Dr. Denis Rychkov , Computational study of elastic, brittle and plastic 4-bromophenyl 4-bromobenzoate crystals via molecular mechanics approach, Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk
P090	Dr. Denis Rychkov , Determination of thermodynamic stability of pTol ₂ S ₂ polymorphs at high pressures using computational techniques, Institute of Solid State Chemistry and Mechanochemistry SB RAS, Novosibirsk
P091	Kristina Smirnova , Magnetostructural correlations in magnetoactive chain-polymer Cu(II) complexes with alkyl-pyridyl-substituted nitronyl nitroxides, International Tomography Center SB RAS, Novosibirsk
P092	Dr. Ruslan Zhachuk , Dynamics of Sn adatoms at the single steps on the Si(111)-sqrt(3)xsqrt(3)-Sn surface, Institute of Semiconductor Physics SB RAS, Novosibirsk
P093	Dr. Ruslan Zhachuk , Si(111) strained layers structure on Ge(111) surface, Institute of Semiconductor Physics SB RAS, Novosibirsk
P094	Maxim Bakhmetiev , Frequency of magnetization reversal of grains NiFe and IrMn in exchange-biased thin films NiFe/Cu/IrMn, Institute of Problems of Chemical Physics RAS, Chernogolovka
P095	Maxim Mikhailenko , Anionic compounds of hexaazatriphenylene-based ligands: synthesis, structure and properties, Institute of Problems of Chemical Physics RAS, Chernogolovka
P(online)_01	Prof. Galina Loukova , LMCT states of sophisticated group 4 metallocene dicarboranyles, Institute of Problems of Chemical Physics RAS, Chernogolovka
P(online)_02	Prof. Victor Luzhkov , A DFT study of decomposition of dinitrosyl iron complex $Fe(NO)_2(SCH_2)_2^{2+}$ in water, Institute of Problems of Chemical Physics RAS, Chernogolovka

P(online)_03	Prof. Yauheni Kasandrovich , Peculiarities of HCl sorption from air by weak base anion exchanger with ethylenediamine functional groups: experimental study and DFT simulation, Institute of Physical and Organic Chemistry of the National Academy of Sciences of Belarus, Minsk
P(online)_04	Dr. Alexey Kozlov , Perylene-(cyanine dye) dyad as NIR agent for theranostics, Institute of Problems of Chemical Physics RAS, Chernogolovka
P(online)_05	Dr. Konstantin Rutkowski , Cryospectroscopic and ab initio studies of noncovalent interactions between sevoflurane and selected acceptor-targets., Saint Petersburg State University, Saint Petersburg
P(online)_06	Dr. Andrey Starikov , Computer Modeling of Polyspin Organic Molecules Based on Bis-Triangulenes and Stable Radicals, Institute of Physical and Organic Chemistry, Southern Federal University, Rostov-on-Don
P(online)_07	Marsel Arifullin , Elementary operations of quantum computation algorithms by using phase-modulated microwave pulses, Orenburg University, Orenburg
P(online)_08	Nikolai Baranov , The quantum-chemical modeling of adamantane olefination with ethylene, propylene, butylene, Peoples' Friendship University of Russia, Moscow
P(online)_09	Karen Egiazaryan , On the accuracy of DFT methods for calculating the activation characteristics of the Pd-catalyzed allylation of norbornadiene, MIREA - Russian Technological University, Moscow
P(online)_10	Maxim Grigoriev , Structure and properties of the EuErCuTe ₃ : ab initio calculation, University of Tyumen, Tyumen
P(online)_11	Ilya Nechaev , Effective Multicomponent Approach to Indolizin-1-ols: Chemical and Spectral Particularities of the Products, Zelinsky Institute of Organic Chemistry RAS, Moscow
P(online)_12	Arina Petukhova , Spectral properties and kinetics of interaction with the fluoride ion of aryl-substituted boron subphthalocyanines, Lomonosov Moscow State University, Moscow
P(online)_13	Natalia Potapova , The influence of moderate magnetic field on the generation of radicals by mixture of some choline derivative with hydroperoxides, Semenov Federal Research Center for Chemical Physics RAS, Moscow
P(online)_14	Alexander Shmakov , EPR study of nitrenephenylverdazyl radicals, Lomonosov Moscow State University, Moscow