

WELCOME TO MOSCOW!

Dear Colleagues!

We are delighted to welcome you at the 5th EuChemS Inorganic Chemistry Conference (EICC-5) that will be held under the auspices of the European Chemical Society (EuChemS). The EuChemS Inorganic Chemistry Conference is a biannual event showcasing the latest work of the leading inorganic chemists.

We'll do our best to continue the traditions set by the previous meetings held in Manchester (2011), Jerusalem (2013), Wroclaw (2015) and Copenhagen (2017).

Developments, achievements, and prospects in all fields of inorganic chemistry will be presented in plenary lectures by distinguished scientists, keynote presentations, as oral communications and posters in various sections. Guided by the traditions of previous EICCs, the conference main purpose is to promote the development of the new generation of inorganic chemists, enabling them to establish new contacts with colleagues from different countries and chemistry fields through the presentation of their work, and through the many networking opportunities, the conference will provide. We strongly hope that an exceptional scientific program and excellent social experience will reward all the EICC-5 participants.

On behalf of the Organizing Committee,



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КАУЧУК & РЕЗИНА



TIMETABLE

MONDAY, JUNE 24

09:00

REGISTRATION

10:00 - 10:30

OPENING CEREMONY

10:30 - 11:10

PL1 **Matthias Driess**

11:10 - 11:40

KL1 **Martin Albrecht**

11:40 - 12:10

COFFEE

12:10-12:30

OP1 **W.K.Leong**

OP5

O.Reinaud

OP9

H.Kornweitz

OP13

A.Romanov

12:30-12:50

OP2 **C.-W.Liu**

OP6

D.Chatterjee

OP10

M.Martínez López

OP14

Andr.Potapov

12:50-13:10

OP3 **S.Adonin**

OP7

J.Lewiński

OP11

E.Pidko

OP15

A.Titov

13:10-13:30

OP4 **D.Tsybarenko**

OP8

J.A.Schachner

OP12

J.Jover

OP16

N.Burzlaff

13:30-15:30

LUNCH

15:30-16:10

PL2 **Manfred Scheer**

16:10-16:40

KL2 **Mir Wais Hosseini**

16:40-17:10

KL3 **Sergey Aldoshin**

17:10-17:40

COFFEE

17:40-18:00

OP17 **P.Prikhodchenko**

OP20

M.Babak

OP23

A.Sorokin

OP26

A.Chakraborty

18:00-18:20

OP18 **G.Seisenbaeva**

OP21

A.Mukhametshina

OP24

F.Arrigoni

OP27

D.Lyubov

18:20-18:40

OP19 **N.Pushkarevskii**

OP22

E.Musina

OP25

C.Moiras

OP28

I.Taydakov

18:40-19:05

IL1 **V.Lee**

IL2

E.Milaeva

IL3

A.Rossin

IL4

A.Trzeciak

19:15-21:00

WELCOME PARTY

TUESDAY, JUNE 25

10:00 - 10:40	PL3 Zhaomin Hou								
10:40 - 11:10	KL4 Stepan Kalmykov								
11:10 - 11:40	KL5 Oliver Wenger								
11:40 - 12:10	COFFEE								
12:10-12:30	OP29	M.Mikuriya	OP33	M.Baya	OP37	M.Heras-Ojea	Y01	A.Cheplakova	12:10 - 12:25
12:30-12:50	OP30	C.Camp	OP34	M.Nechaev	OP38	V.Novikov	Y02	A.Shamsieva	12:25 - 12:40
12:50-13:10	OP31	S.Kundu	OP35	P.Zhizhko	OP39	G.Romanenko	Y03	A.Kulakova	12:40 - 12:55
13:10-13:30	OP32	D.Bolotin	OP36	S.Ketkov	OP40	N.Efimov	Y04	E.Ermakova	12:55 - 13:10
							Y05	N.Nemati	13:10 - 13:25
13:30-15:30	LUNCH								
15:30-16:10	PL4 Evgeny Antipov								
16:10-16:40	KL6 Yannick Guari								
16:40-17:10	KL7 Dmitri Gelman								
17:10-17:40	COFFEE								
17:45-18:10	IL5	M.Fryzuk	IL6	V.Negrebetsky	IL7	E. Grachova	IL8	M.Kalinina	
		A.Fidalgo-							
18:10-18:30	OP41	Marijuan	OP44	T.Müller	OP47	Ch.Ko	OP50	A.Timoshkin	
18:30-18:50	OP42	T.-C.Lau	OP45	N.Shvydkiy	OP48	A.Gusev	OP51	K.Tugashov	
18:50-19:10	OP43	J.Berry	OP46		OP49	Yu.Mironov	OP52	R.Friedman	

WEDNESDAY, JUNE 26

10:00 - 10:40	PL5 Vladimir Fedin					
10:40 - 11:10	KL8 Richard Layfield					
11:10 - 11:40	KL9 Sergey Tunik					
11:40 - 12:10	COFFEE					
12:10-12:30	OP53 S.Chorazy	OP57 J.Bendix	OP61 E.Tretyakov	Y06 E.Lider	12:10 - 12:25	
12:30-12:50	OP54 D.Roitorshtein	OP58 A.Vologzhanina	OP62 D.Luneau	Y07 A.Sinelshchikova	12:25 - 12:40	
12:50-13:10	OP55 A.Skatova	OP59 Yu.Torubaev	OP63 T.Rudneva	Y08 V.Kharitonov	12:40 - 12:55	
13:10-13:30	OP56 V.Utochnikova	OP60 A.Burg	OP64 P.González-Herrero	Y09 T.Pietrzak	12:55 - 13:10	
				Y010 B.Akhmadeev	13:10 - 13:25	
13:30-15:30	LUNCH					
15:30-16:10	PL6 Maurizio Peruzzini					
16:10-16:40	KL10 Holger Kohlmann					
16:40-17:05	KL11 Manfred Bochmann					
17:10-17:40	COFFEE					
17:40 - 17:50	Dia-M LCC A.Shumeev		IL 9 A.Tarasov	IL10 D.Valyaev	17:40 - 18:05	
17:50 - 18:05	Y011 E.Yudina	17:40 - 19:00				
18:05 - 18:20	Y012 M.Jørgensen	FP6 - FP21	Y014 R.Böser	Y016 D.Campillo	18:05 - 18:20	
18:20 - 18:35	Y013 P.Burlak		Y015 Ju.Shakirova	Y017 E.Kuchuk	18:20 - 18:35	
18:35 - 19:00	FP1 - FP5		Y016 A.Zvyagina	Y018 A.Passera	18:35 - 18:50	
			FP22 - FP23	FP24 - FP25	18:50 - 19:00	
19:00-20:00	POSTER SESSION					

THURSDAY, JUNE 27

10:00 - 10:40	PL7 Marinella Mazzanti					
10:40 - 11:10	KL12 Mikhail P. Egorov					
11:10 - 11:40	KL13 Viktor Ovcharenko					
11:40 - 12:10	COFFEE					
12:10-12:30	OP65 E.Bouwman	OP69 R.Gobetto	OP73 J.Cirera	YO19 E.Mitoudi Vagourdi	12:10 - 12:25	
12:30-12:50	OP66 M.Rumyantseva	OP70 E.Osipova	OP74 Yu.Nelyubina	YO20 L.Cailler	12:25 - 12:40	
12:50-13:10	OP67 S.Fedorenko	OP71 S.Shapovalov	OP75 M.Khusniyarov	YO21 A.Markov	12:40 - 12:55	
13:10-13:30	OP68 A.Martynov	OP72 W.Seidel	OP76 J.Jimenez Gallego	YO22 E.Arkipova	12:55 - 13:10	
				YO23 I.Lapshin	13:10 - 13:25	
13:30-15:30	LUNCH					
15:30 - 15:55	IL11 Y. Deligiannakis	IL13 D.Meyerstein	IL15 A.Majouga	IL17 M.Sokolov		
15:55 - 16:20	IL12 M.Louloudi	IL14 V.Kozhevnikov	IL16 A.Mustafina	IL18 A.Shevelkov		
16:20 - 16:40	OP77 D.Long	OP80 E.Kravchernko	OP83 A.Bilyachenko	YO24 A.Plajer	16:20 - 16:35	
16:40 - 17:00	OP78 A.Medvedev	OP81 A.Pavlov	OP84 A.Nazarov	YO25 V.Krivoborodov	16:35 - 16:50	
17:00 - 17:20	OP79 I.Meshkov	OP82 S.Vyboishchikov	OP85 O.Fedorova	YO26 M.Domańska	16:50 - 17:05	
				YO27 R.Collins	17:05 - 17:20	
19:00	CONFERENCE DINNER					

FRIDAY, JUNE 28

10:00 - 10:40

PL8 **Vivian Yam**

10:40 - 11:10

KL14 **Sergey Konchenko**

11:10 - 11:40

KL15 **Victor Nadtochenko**

11:40 - 12:10

COFFEE

12:10 - 12:40

KL16 **Vladimir Komlev**

12:40 - 13:20

PL9 **Luisa De Cola**

13:20 - 13:40

CLOSING CEREMONY

SESSIONS' PROGRAM

MONDAY, JUNE 24

09:00	REGISTRATION	
10:00 - 10:30	OPENING CEREMONY	
	SESSION 1	
10:30 - 11:10	PL1	M. Driess
		The rise of silylenes in homogeneous catalysis
11:10 - 11:40	KL1	M. Albrecht, P. Melle, M. Navarro, K. Salzmann, C. Segarra
		Donor-flexible ligands for efficient redox catalysis
11:40 - 12:10	COFFEE	
	SESSION 2	
12:10-12:30	OP1	W.K. Leong
		Carbonyl clusters containing osmium and antimony
12:30-12:50	OP2	C.-W. Liu, T.-H. Chiu, S.K. Barik
		Alloy nanoclusters synthesized by one-phase co-reduction methods
12:50-13:10	OP3	S. Adonin, M.N. Sokolov
		Halogen-rich complexes of Sb, Bi and Te: halogen-bonding assisted formation of extended frameworks
13:10-13:30	OP4	D. Tsybarenko, I. Martynova, D. Grebenyuk, A. Anosov, R. Muydinov, R. Gashigullin, M. Kendin, A. Nikolaeva, A. Zakirov, A. Shevchenko, K. Ismagilov, R. Nygaard, A. Kaul
		Metal-organic compounds in chemical deposition of thin film materials: design, structure and transformations.
	SESSION 3	
12:10-12:30	OP5	O. Reinaud, G. De Leener, N. Le Poul, Y. Le Mest, I. Jabin
		Dioxygen and copper: insights from a supramolecular perspective
12:30-12:50	OP6	D. Chatterjee
		Homogeneous catalysis in Ru(edta) mediated oxidation of thio-molecules
12:50-13:10	OP7	J. Lewiński
		Myths and realities of the oxygenation chemistry of non-redox-active organometallics

SESSIONS' PROGRAM

13:10-13:30 OP8 J.A. Schachner, N.C. Möscher-Zanetti Catalysis with the bidentate oxazoline ligand HEdmoz (E = O, S): high activities and new reactivities in Re and Mo catalysed Oxygen Atom Transfer

SESSION 4

12:10-12:30 OP9 H.Kornweitz, T. Mondal, D. Meyerstein The mechanisms of reduction of $M(H_2O)_k^{n+}$ to form M^0 -nano-particles differs from that commonly assumed: The reduction of $Ag(H_2O)_2^+$ in aqueous solutions by H_2

12:30-12:50 OP10 M. Martínez López, A.G. Algarra, M.G. Basallote, P.V. Bernhardt, M.J. Fernández-Trujillo, M. González Proton-assisted air oxidation mechanisms of iron(II) bis-thiosemicarbazone complexes at physiological pH: a kinetic-mechanistic study

12:50-13:10 OP11 E. Pidko, R. van Putten, P. Kulyaev Hydrogenation and transfer hydrogenation with homogeneous Mn catalysts: the nature and role of off-cycle intermediates

13:10-13:30 OP12 J. Jover, C.K. Brozek, M. Dincă, N. López Computational study of NO single-site disproportionation on $Fe^II(MOF-5)$

SESSION 5

12:10-12:30 OP13 A. Romanov, P.J. Conaghan, D. Di, L. Yang, S.T.E. Jones, M. Linnolahti, D. Credgington, M. Bochmann Carbene-Metal-Amide materials for full colour OLEDs

12:30-12:50 OP14 A. Potapov, V. Matveevskaya, R. Marchenko, T. Sukhikh Synthesis and functional properties of coordination compounds based on azoles and polycyclic nitrogen heterocycles

12:50-13:10 OP15 A. Titov, O. Filippov, A. Smol'yakov, E. Titova, E. Shubina Group 11 metal pyrazolates complexes with N, P containing bases: structures and photophysical properties

13:10-13:30 OP16 N. Burzlaff Bis(pyrazol-1-yl)acetato ligands – a toolbox

13:30 - 15:30 LUNCH

SESSION 6

15:30-16:10 PL2 M. Scheer, B. Krämer, H. Brake, E. Peresyphkina, A. Virovets Polyphosphorus complexes as building blocks in supramolecular chemistry

<u>16:10-16:40</u>	KL2	<u>M.W. Hosseini</u>	Molecular turnstiles
<u>16:40-17:10</u>	KL3	<u>S. Aldoshin, D.V. Korchagin, A.V. Paliy, B.S. Tsukerblat</u>	Single ion magnets based on Co(II) Kramer's ion. Prospects for the development of new magnetic material
17:10 - 17:40 COFFEE			
SESSION 7			
<u>17:40-18:00</u>	OP17	<u>P. Prikhodchenko, A. Medvedev, A. Mikhaylov, D. Grishanov, O. Lev</u>	Ammonium peroxogermanate as a waste-free, versatile precursor for germanium compounds and nanomaterial
<u>18:00-18:20</u>	OP18	<u>G. Seisenbaeva, I. Pylypchuk, V.G. Kessler</u>	Functionalization of the surface for tailoring of hybrid nanoadsorbents
<u>18:20-18:40</u>	OP19	<u>N.A. Pushkarevsky, T.S. Sukhikh, S.N. Konchenko</u>	Molecular mono- and dichalcogenide (O-Te) complexes of samarium with bulky formamidinate supporting ligands
<u>18:40-19:05</u>	IL1	<u>V. Lee, O.A. Gapurenko, A. Sekiguchi, R.M. Minyaev, V.I. Minkin</u>	Pyramidane: the smallest member of the fenestranes family
SESSION 8			
<u>17:40-18:00</u>	OP20	<u>M. Babak, W.H. Ang, D. Gibson, G. Pastorin</u>	Dual-targeting dual-action platinum(IV) platform for enhanced anticancer activity and reduced kidney toxicity
<u>18:00-18:20</u>	OP21	<u>A. Mukhametshina, J. Elistratova, K. Kholin, I. Nizameev, M. Sokolov, R. Khairullin, R. Miftakhova, A. Mustafina</u>	Design of new nanomaterials based on cluster complexes as cellular contrast and therapeutic agents
<u>18:20-18:40</u>	OP22	<u>E. Musina, R. Khabibullin, T. Wittmann, A. Karasik</u>	Coordination with transition metals as tool for managing of macrocyclic aminomethylphosphines lability
<u>18:40-19:05</u>	IL2	<u>E. Milaeva, A. Nazarov, D. Shpakovsky</u>	Medicinal inorganic chemistry as a tool for metal-based drug design
SESSION 9			

SESSIONS' PROGRAM

<u>17:40-18:00</u>	OP23	<u>A. Sorokin</u>	High-valent diiron phthalocyanines: key intermediates in bio-inspired oxidation of methane and oxidative defluorination of perfluoroaromatics
<u>18:00-18:20</u>	OP24	<u>F. Arrigoni</u> , L. Bertini, M. Bruschi, C. Greco, G. Zampella, L. De Gioia	H ₂ oxidation and proton reduction in [FeFe]-hydrogenase biomimetics: looking backwards and forwards for new synthetic mimics. The DFT viewpoint.
<u>18:20-18:40</u>	OP25	<u>C. Moiras</u> , J. McAllister, N.A.G. Bandeira, J. McGlynn, A. Ganin, Y.-F. Song, C. Bo	Tuning and mechanistic insights of metal chalcogenide molecular catalysts for the hydrogen-evolution reaction
<u>18:40-19:05</u>	IL3	<u>A. Rossin</u> , L. Luconi, G. Giambastiani, E. Osipova, I. Golub, O. Filippov, N. Belkova, E. Shubina	B-N lightweight inorganic hydrides dehydrogenation mediated by transition metal complexes: a combined experimental-theoretical approach
SESSION 10			
<u>17:40-18:00</u>	OP26	<u>A. Chakraborty</u> , R.A. Layfield	Lanthanide Cyclobutadienyl Sandwich Complexes
<u>18:00-18:20</u>	OP27	<u>D. Lyubov</u> , D. Khristolyubov, A. Trifonov	Alkyl complexes of LnII and Ca – universal catalysts for intermolecular C–E (E = N, P, S) bond formation
<u>18:20-18:40</u>	OP28	<u>I. Taydakov</u> , Y. Belousov, E. Varaksina	Lanthanide tris- and tetrakis complexes with 4-acyl-pyrazol-5-ones – synthesis and luminescent properties
<u>18:40-19:05</u>	IL4	<u>A. Trzeciak</u> , A. Augustyniak, W. Alsalahi	Immobilized Pd(0) and Pd(II) catalysts for C-C cross-coupling reactions
<u>19:15-21:00</u>	WELCOME PARTY		

TUESDAY, JUNE 25

SESSION 11

- 10:00 - 10:40 PL3 Z. Hou Half-sandwich rare-earth and group 4 metal complexes for novel chemical transformations and functional polymer synthesis
- 10:40 - 11:10 KL4 S. Kalmykov Actinide oxide nanoparticles: formation, structure and properties
- 11:10 - 11:40 KL5 O. Wenger Photoactive Cr(0) and Mo(0) complexes with chelating isocyanide ligands

11:40 - 12:10 COFFEE

SESSION 12

- 12:10-12:30 OP29 M. Mikuriya, M. Handa Assembled complexes of mixed-valent Ru^{II}Ru^{III} carboxylates and chlorido or cyanidometalate linkers
- 12:30-12:50 OP30 C. Camp, S. Lassalle, L. Veyre, C. Thieuleux Metal-metal and metal-support synergy in heterobimetallic catalyts supported on silica
- 12:50-13:10 OP31 S. Kundu, B. Paul Tandem catalysis utilizing methanol
- 13:10-13:30 OP32 D. Bolotin Reactions of amidoximes with metal-activated nitriles

SESSION 13

- 12:10-12:30 OP33 M. Baya, D. Joven-Sancho, B. Menjón, J. Orduna, P.J. Alonso Inverted ligand field in organofluorine metal chemistry: from the concept to c–c bond formation reactions
- 12:30-12:50 OP34 M. Nechaev, A. Asachenko, M. Topchiy, G. Chesnokov Expanded ring N-heterocyclic carbenes – versatile ligands for transition metal mediated catalysis
- 12:50-13:10 OP35 P. Zhizhko, D. Zarubin, N. Bushkov, A. Pichugov Catalytic Oxo/Imido Heterometathesis: A Novel X=N Bond Forming Strategy
- 13:10-13:30 OP36 S. Ketkov Centenary of transition-metal sandwich complexes: From intriguing structures to unusual spectroscopic properties

SESSIONS' PROGRAM

SESSION 14

<u>12:10-12:30</u>	OP37	<u>M. Heras-Ojea</u> , L.C.H. Maddock, B.M. Day, F.-S. Guo, J.M. Van Raden, D. Pividori, J. Cirera, R. Jasti, K. Meyer, E. Ruiz, R. A. Layfield	Magnetic bistability in coordination nanostructures
<u>12:30-12:50</u>	OP38	<u>V. Novikov</u>	Trigonal prismatic complexes for molecular spintronics
<u>12:50-13:10</u>	OP39	<u>G. Romanenko</u>	Unprecedented sensitivity of the temperature dependence of the magnetic properties of heterospin complexes to external pressure
<u>13:10-13:30</u>	OP40	<u>N. Efimov</u> , P. Koroteev, A. Ilyukhin, V. Minin	Pulse-EPR technique for studying charge transfer in adducts of lanthanide 3,5-dinitrobenzoates with aminobenzene derivatives

SESSION 15

<u>12:10-12:25</u>	Y01	<u>A. Cheplakova</u> , K. Kovalenko, V. Fedin	Syntheses, crystal structures and the surface properties of perfluorinated MOFs
<u>12:25-12:40</u>	Y02	<u>A. Shamsieva</u> , I. Strel'nik, T. Gerasimova, I. Kolesnikov, R. Fayzullin, E. Musina, A. Karasik, O. Sinyashin	Tetranuclear Cu ₄ I ₄ clusters on pyridylcontaining cyclophosphines
<u>12:40-12:55</u>	Y03	<u>A. Kulakova</u> , A. Bilyachenko, J. Larionova, F. Lamaty	Metalla-silsesquioxanes and germesquioxanes: synthesis, structure, and properties
<u>12:55-13:10</u>	Y04	<u>E. Ermakova</u> , A. Shokurov, E. Koroleva, A. Bessmertnykh-Lemeune, V. Arslanov	Thin-film optical sensors based on new amphiphilic (trans-A2)BC-type porphyrins
<u>13:10-13:25</u>	Y05	<u>N. Nemati</u> , R. Eslamlueyan, A. Riisager	Lactone production by Pd-catalyzed cyclocarbonylation of allylic alcohols with ionic liquid as stabilizer

13:30-15:30 LUNCH

SESSION 16

<u>15:30-16:10</u>	PL4	<u>E. Antipov</u>	Periodic table as a playground for new electrode battery materials design
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- 16:10-16:40 KL6 Y. Guari, G. Ngo, E. Mamon-tova, G. Maurin-Pasturel, J. Larionova, J. Long, G. Félix, J. Chopineau, J.-M. Devoisselle Multifunctional nanomaterials based on Prussian blue
- 16:40-17:10 KL7 D. Gelman, S. Mujahed, S. Diky Pincer complexes bearing multifunctional ligands

17:10-17:40 COFFEE

SESSION 17

- 17:45-18:10 IL5 M. Fryzuk, T. Suzuki, K. Fujimoto, Y. Takemoto, T. Ozawa, T. Inomata, V. Annibale, K. Berger, C. Sanz, A. Logan, H. Masuda Catalytic silylation of molecular nitrogen
- 18:10-18:30 OP41 A. Fidalgo-Marijuan, G.I.T. Jimenez, R. Fernández de Luis, E.S. Larrea, G. Copello, M.I. Arriortua Porous chitin/MOF808 composite material for metal ion pollutants and dyes removal from aqueous media
- 18:30-18:50 OP42 T.-C. Lau Catalytic CO₂ reduction based on earth-abundant metal complexes
- 18:50-19:10 OP43 J. Berry, C. Wallen, M. Trenerry, T. Brown, A. Corcos New chemistry of ammonia and nitrogen at metal-metal bonded diruthenium centers

SESSION 18

- 17:45-18:10 IL6 V. Negrebetsky, Y. Baukov, T. Shmigol Hypercoordinate silicon, germanium and tin compounds: unusual structure, dynamic stereochemistry and biological activity
- 18:10-18:30 OP44 T. Müller, Z. Dong, C. Reinhold, P. Tholen, L. Albers Heteroldianions as precursors for unusual silicon and germanium compounds
- 18:30-18:50 OP45 N. Shvydkiy, D. Perekalin Rediscovering cyclobutadiene rhodium complexes

SESSIONS' PROGRAM

SESSION 19

- 17:45-18:10 IL7 E. Grachova Design of multichromophore molecular emitters based on combination of transition metal complexes
- 18:10-18:30 OP47 Ch. Ko Luminescent transition metal carbene complexes – photophysics and photocatalysis
- 18:30-18:50 OP48 A. Gusev, E. Braga, V. Shul'gin Photoluminescent studies of Ln(III) complexes on pyridyltriazole basis
- 18:50-19:10 OP49 Yu. Mironov, A. Pronin, S. Yarovoi Cluster complexes of molybdenum, tungsten and rhenium with pnictogenide inner ligands

SESSION 20

- 17:45-18:10 IL8 M. Kalinina, A.I. Zvyagina, M.R. Sokolov, I. Meshkov Metal Organic Frameworks on 2D solid surfaces
- 18:10-18:30 OP50 A. Timoshkin Complexes of Lewis acids and superacids
- 18:30-18:50 OP51 K. Tugashov, D. Gribanyov, F.M. Dolgushin, A. Smol'yakov, Z. Klemenkova, A.S. Peregudov, I.A. Tikhonova, V.B. Shur First complexes of crown compounds with an anticrown
- 18:50-19:10 OP52 R. Friedman Simulating biological macromolecules with inorganic cations

WEDNESDAY, JUNE 26

SESSION 21

- 10:00 - 10:40 PLS V. Fedin **Chemical design and multifunctional properties of porous coordination polymers**
- 10:40 - 11:10 KL8 R. Layfield, F.-S. Guo, B.M. Day, Y.-C. Chen, M.-L. Tong, A. Mansikkamäki **High-temperature lanthanide single-molecule magnets**
- 11:10 - 11:40 KL9 S. Tunik **Luminescent probes based of phosphorescent metal complexes; "design on demand"**

11:40 - 12:10 COFFEE

SESSION 22

- 12:10-12:30 OP53 S. Chorazy, J.J. Zakrzewski, M. Zychowicz, M. Wyczesany, T. Charytanowicz, R. Jankowski, J. Wang, K. Kumar, K. Nakabayashi, S. Ohkoshi, B. Sieklucka **Lanthanide–polycyanidometallate coordination frameworks for construction of luminescent Single-Molecule Magnets**
- 12:30-12:50 OP54 D. Roitershtein, L. Puntus, K. Lyssenko, I. Taidakov, E. Varaksina, M. Minyaev, A. Vinogradov, M. Dobrokhodov, A. Churakov, P. Komarov, I. Nifant'ev **Polyarylcyclopentadienyl complexes of lanthanides, synthesis, structure and luminescence**
- 12:50-13:10 OP55 A. Skatova, D. Lukina, V. Sokolov, I. Fedushkin **Rare earth complexes with polyanionic acenaphthene diimine ligands**
- 13:10-13:30 OP56 V. Utochnikova, A. Kovalenko, I. Bushmarinov, A. Pavlov, A. Burlov **Lanthanide complexes with 2-(tosylamino)-benzylidene-N-(aryloyl)-hydrazones - universal luminescent materials**

SESSION 23

- 12:10-12:30 OP57 J. Bendix, M.A. Sørensen, M. Perfetti, K.S. Pedersen **Metal complexes as functional, structure directing building blocks**
- 12:30-12:50 OP58 A. Vologzhanina, A. Volodin, E. Zorina-Tikhonova, A. Sidorov, I. Eremenko **Exploitation of knowledge databases in the design of d-metal(II) malonates with N,N'-containing linkers**

SESSIONS' PROGRAM

<u>12:50-13:10</u>	OP59	<u>Yu. Torubaev, I. Skabitskii, A. Popova</u>	Energy framework approach to the supramolecular reactions
<u>13:10-13:30</u>	OP60	<u>A. Burg, G.B. Hamu, D. Shamir, M. Zohar</u>	Acceleration of the corrosion reaction of magnesium by Fenton reagents
SESSION 24			
<u>12:10-12:30</u>	OP61	<u>E. Tretyakov, G. Audran, E. Bagryanskaya, I. Bagryanskaya, M. Edeleva, R. Sylvain, A. Marque, D. Parkhomenko, S. Zhivetyeva</u>	Metal complexation with alkoxyamines: a smart way to control C–ON bond homolysis and nitroxide mediated polymerization
<u>12:30-12:50</u>	OP62	<u>D. Luneau, C. Lecourt, V. Romanov, J.B. Tommasino, C. Desroches, E. Tretyakov</u>	A non-innocent affair in metal-nitroxide coordination brings redox switchability and memory
<u>12:50-13:10</u>	OP63	<u>T. Rudneva, A. Utenyshev, N. Sanina</u>	Synthesis and properties of nitrosyl sulfur-iron complexes – nitric oxide donors
<u>13:10-13:30</u>	OP64	<u>P. González-Herrero, D. Poveda, Á. Vivancos, D. Bautista</u>	Visible Light Driven Generation and Reactivity of Stable Bis-Cyclometalated Pt(IV) Hydrides
SESSION 25			
<u>12:10-12:25</u>	Y06	<u>E. Lider, J. Eremina, K. Smirnova</u>	Complexes of some transition metals with nitrogen-containing ligands like cytostatics and luminophores: synthesis and characterization
<u>12:25-12:40</u>	Y07	<u>A. Sinelshchikova, M. Volostnykh, M. Mikhaylov, G. Kirakosyan, A. Martynov, M. Grigoriev, D. Piryazev, A. Tsvadze, M. Sokolov, Y. Gorbunova</u>	Hybrid supramolecular system based on zinc(II) porphyrin and pyridine end-decorated molybdenum(II) halide cluster
<u>12:40-12:55</u>	Y08	<u>V. Kharitonov, D. Loginov</u>	Indenyl rhodium(III) complexes: Synthetic and catalytic chemistry
<u>12:55-13:10</u>	Y09	<u>T. Pietrzak, I. Justyniak, J. Lewiński</u>	Advancing the oxygenation chemistry of magnesium alkyls incorporating β -diketiminato ligands

<u>13:10-13:25</u>	YO10	<u>B. Akhmadeev</u> , J. Elistratova, M. Sokolov, I. Nizameev, A. Gubaidullin, K. Brylev, A. Voloshina, A. Mustafina	Inorganic ligands as the basis for effective contrast agents
<u>13:30-15:30</u>	LUNCH		
SESSION 26			
<u>15:30-16:10</u>	PL6	<u>M. Peruzzini</u>	From White to Black Phosphorus: A Journey into the Chemistry of a Bewitching Element
<u>16:10-16:40</u>	KL10	<u>H. Kohlmann</u>	Solid-gas reactions in synthetic chemistry - what can we learn from reaction pathways?
<u>16:40-17:05</u>	KL11	<u>M. Bochmann</u>	New advances in gold chemistry: from hydrides to OLEDs
<u>17:10-17:40</u>	COFFEE		
SESSION 27			
<u>17:40-17:50</u>		<u>A. Shumeev</u> Dia-M LCC	The use of microfluidic technologies from Dolomite Microfluidics for the synthesis of nanoparticles
<u>17:50-18:05</u>	YO11	<u>E. Yudina</u> , A. Shvidchenko, I. Fomina, A. Aleksenskiy, I. Eremenko, A. Vul	Synthesis of carboxylated nanodiamond particles grafted by lanthanides via ion-exchange reaction
<u>18:05-18:20</u>	YO12	<u>M. Jørgensen</u> , R. Padilla, M.W. Paixão, M. Nielsen	Conversion of ethyl levulinate to γ -valerolactone using PNP-pincer complexes
<u>18:20-18:35</u>	YO13	<u>P. Burlak</u> , K. Kovalenko	Adsorption and catalytic properties of Salen-modified MIL-101
<u>18:35-18:40</u>	FP1	<u>D. Pavlov</u> , T. Sukhikh, A. Potapov	Synthesis and crystal structures of the first examples of coordination polymers based on 3-(1,2,4-triazol-1-yl)-1-adamantane carboxylic acid
<u>18:40-18:45</u>	FP2	<u>S. Tokarev</u> , O. Fedorova, Y. Fedorov, G. Jonusauskas, M. Rumyantseva	Ruthenium (II) complexes of 2-substituted imidazo-1,10-phenanthrolines: physicochemical and gas sensory properties
<u>18:45-18:50</u>	FP3	<u>E. Pylova</u> , D. Bashirov, T. Sukhikh, S. Konchenko	Synthesis and properties of the complexes with 4-amino-2,1,3-benzothiadiazole and its derivatives

SESSIONS' PROGRAM

<u>18:50-18:55</u>	FP4	<u>E. Safonova</u> , J. Wytko, J. Weiss, Yu. Gorbunova, A. Tsvadze	Tetra-24-crown-8-phthalocyanines as a platform for new supramolecular ensembles
<u>18:55-19:00</u>	FP5	<u>M. Lavrova</u> , S. Mishurinskiy, S. Bezzubov, G. Bondarenko, V. Dolzhenko	Ruthenium (II) mixed-ligand complexes with 2-arylbenzimidazoles and some N [^] N-donor ligands: synthesis, optical and electrochemical properties
SESSION 28			
<u>17:40-17:45</u>	FP6	<u>L. Denker</u> , R. Böser, R. Frank	Novel reactivities of NHC-stabilized benzyboranes
<u>17:45-17:50</u>	FP7	<u>P. Kalle</u> , A. Bilyalova, S. Tatarin, V. Dolzhenko, S. Bezzubov	Modulation of reactivity and geometry of cyclometalated Ir(III) complexes with 2-arylphenanthroimidazoles
<u>17:50-17:55</u>	FP8	<u>N. Pantalon Juraj</u> , B. Perić, S. Muratović, D. Žilić, R. Vianello, S. I. Kirin	Counterion effects on the formation of isopropyl-bis(2-picolyl)amine (iPr-bpa) complexes with Zn(II) and Cu(II)
<u>17:55-18:00</u>	FP9	<u>E. Voronova</u> , I. Golub, N. Belkova, O. Filippov, E. Shubina	Dehydrocoupling of Silanes and Alcohols under General Base Catalysis
<u>18:00-18:05</u>	FP10	<u>A. Zima</u> , O. Lyakin, K.-Bryliakov, E. Talsi	The comparison of the low-spin and high-spin intermediates Fe(V)=O in the selective oxidation of organic substrates
<u>18:05-18:10</u>	FP11	<u>K. Kuznetsov</u> , A. Solomatina, S. Tunik	Iridium(III) complexes based on phenanthro[9,10-d]imidazole: luminescence tuning through N [^] C ligand design
<u>18:10-18:15</u>	FP12	<u>E. Gusarova</u> , A. Zvyagina, M. Kalinina	Fabrication of uniform surface coatings of graphene oxide on solid substrates
<u>18:15-18:20</u>	FP13	<u>A. Kurishev</u> , K.N. Gerasimov, O.G. Ryzhova, P.A. Storozhenko, I.A. Timofeev, P.A. Timofeev	Study of oligoelementosilazanes interaction with the carbon materials surfaces
<u>18:20-18:25</u>	FP14	<u>J.J. Zakrzewski</u> , S. Chorazy, M. Reczynski, B. Sieklucka	Fine tuning of uranyl(VI) charge-transfer emission in hexacyanidometallate-based coordination frameworks

<u>18:25-18:30</u>	FP15	<u>O.Golovanova</u>	Crystallization of calcium phosphates from solutions simulating the composition of human blood plasma
<u>18:30-18:35</u>	FP16	<u>M.Lapshina, V. Baulin, A. Balakina, A. Ustyugov, A. Terentiev, A. Tsvadze, N. Goldshleger</u>	Magnesium octa[(4'-benzo-15-crown-5)-oxy]phthalocyanine in phosphate buffer: supramolecular organization, phototoxicity, photo-induced generation of ROS and accumulation in tumor cells
<u>18:35-18:40</u>	FP17	<u>I.Tomashevskiy, O. Golovanova, S. Anisina</u>	Spectrophotometric determination of stability constants of different amino acid complexes of magnesium
<u>18:40-18:45</u>	FP18	<u>A. Solomatina, A. Slobodina, S. Tunik</u>	Blood-brain barrier penetrating luminescent conjugate based on cyclometalated platinum(II) complex
<u>18:45-18:50</u>	FP19	<u>M. Sokolov, Y. Enakieva, A. Yapryntsev, A. Shiryaev, A. Zvyagina, M. Kalinina</u>	Porphyrin Metal-Organic Framework Assembled in Layered Europium Hydroxochloride
<u>18:50-18:55</u>	FP20	<u>D. Khristolubov, A. Fayoumi, D. Lyubov, A. Trifonov</u>	Rare- and alkaline earth metal complexes with substituted diphenylmethanido ligands – synthesis, structures and reactivity

SESSION 29

<u>17:40-18:05</u>	IL9	<u>A. Tarasov, I. Turkevych, S. Kazaoui, E. Goodilin</u>	Strategic advantages of reactive polyiodide melts for scalable perovskite photovoltaics
<u>18:05-18:20</u>	YO14	<u>R. Böser, H. Dolati, L. Denker, L. Haufe, R. Frank</u>	BODIIM - a 2 π -electron expanded BODIPY fluorescence dye
<u>18:20-18:35</u>	YO15	<u>Ju. Shakirova, S. Nayery</u>	New approach in the synthesis of trans-substituted diimine carbonyl rhenium(I) complexes.
<u>18:35-18:50</u>	YO16	<u>A. Zvyagina, A. Martynov, V. Malov, A. Baranchikov, A. Ezhov, A. Tameev, Y. Gorbunova, M. Kalinina</u>	One-Dimensional organic semiconductors assembled from lutetium double-decker phthalocyanine
<u>18:50-18:55</u>	FP22	<u>K. Tsys, M. Chegerev, A. Piskunov</u>	Synthesis, molecular structure and reactivity of O,N-heterocyclic germlyenes.

SESSIONS' PROGRAM

<u>18:55-19:00</u>	FP23	<u>M. Polovkova</u> , A.G. Martynov, Yu.G. Gorbunova, A.Yu. Tsvadze	Synthesis of heteronuclear sandwich-type complexes of lanthanides with phthalocyanines
SESSION 30			
<u>17:40-18:05</u>	IL10	<u>D. Valyaev</u> , O. Filippov, R. Buhaibeh, J. Willot, A. Bruneau-Voisine, C. Duhayon, Y. Canac, J.-B. Sortais, N. Lujan	A journey from Mn-mediated synthesis of NHC-phosphine ligands to Mn-based catalysts with non-classical H ₂ activation mode
<u>18:05-18:20</u>	YO16	<u>D. Campillo</u> , M. Baya, Ú. Belío, I. Fernández, A. Martín	Pt(II)-M' and Pd(II)-M' complexes (M' = Ag(I), Au(I)) as frozen models of relevant intermediates in bimetallic catalysis
<u>18:20-18:35</u>	YO17	<u>E. Kuchuk</u> , K. Muratov, O. Afanasyev, D. Chusov	Rhodium-catalyzed CO-assisted reductive transformations
<u>18:35-18:50</u>	YO19	<u>A. Passera</u> , A. Mezzetti	Mn(I) vs Fe(II) Catalysts for the hydrogenation of ketones: a comparison by experiment and calculation
<u>18:50-18:55</u>	FP24	<u>O. Mironova</u> , N. Pushkarevsky, T. S. Sukhikh, S. N. Konchenko	Salt metathesis reactions in synthesis of lanthanide arylthiolate and chalcogenide complexes supported by bulky β-diketiminate ligand
<u>18:55-19:00</u>	FP25	<u>S. Tatarin</u> , A. Bilyalova, I. Zharinova, S. Bezzubov, V. Dolzhenko	Cyclometalated iridium (III) complexes with benzimidazoles/phenanthroimidazoles and various "anchoring" ligands: synthesis, structure, photophysical properties and application in dye-sensitized solar cells
<u>19:05-20:00</u>	POSTER SESSION		

THURSDAY, JUNE 27

SESSION 31

- 10:00 - 10:40 PL7 M. Mazzanti, M. Falcone, L. Barluzzi, L. Chatelain Small Molecule Activation by Multimetallic Complexes of f-Elements
- 10:40 - 11:10 KL12 M. Egorov, S. E. Boganov, V. M. Promyslov, S. S. Rynin, I. V. Krylova Complexation of SiCl_2 with weak Lewis bases: matrix isolation and quantum chemical studies
- 11:10 - 11:40 KL13 V. Ovcharenko Highly sensitive heterospin pressure sensors

11:40 - 12:10 COFFEE

SESSION 32

- 12:10-12:30 OP65 E. Bouwman, T. F. van Dijkman, W. Fu, L.M.C. Lima, G. Schneider A highly sensitive ethene sensor based on copper(I) coordination compounds
- 12:30-12:50 OP66 M. Rumyantseva, A. Nasridinov, A. Chizhov, R. Vasiliev, O. Fedorova, A. Gaskov Materials for light activated metal oxide gas sensors
- 12:50-13:10 OP67 S. Fedorenko, A. Mukhametshina, A. Stepanov, K. Petrov, A. Mustafina Multifunctional silica nanoparticles as efficient contrast agent
- 13:10-13:30 OP68 A. Martynov, M. Polovkova, K. Birin, G. Kirakosyan, Yu. G. Gorbunova, A. Yu. Tsivadze Supramolecular assembling of sandwich crown-phthalocyaninates of paramagnetic lanthanides studied by NMR spectroscopy

SESSION 33

- 12:10-12:30 OP69 R. Gobetto, N. Carlo, R. Rocca, L. Rotundo Novel Mn and Re catalysts for homogeneous and heterogeneous CO_2 electroreduction
- 12:30-12:50 OP70 E. Osipova, E. Gulyaeva, V. Kirkina, O. Filippov, N. Belkova, A. Rossin, M. Peruzzini, E. Shubina Dihydrogen bonding and proton transfer from MH acids to palladium hydride
- 12:50-13:10 OP71 S. Shapovalov, O. Tikhonova, A. Kolos, I. Skabitsky, S. Sakharov Heterometallic Complexes with NHC Ligands

SESSIONS' PROGRAM

13:10-13:30	OP72	<u>W. Seidel</u> , S. Ludwig, C. Timmermann	Coordination Potential of Alkyne Complexes with Terminal Group 15 Element Donors
SESSION 34			
12:10-12:30	OP73	<u>J. Cirera</u> , E. Ruiz	Computational Modeling of Transition Temperatures in Spin-Crossover Systems
12:30-12:50	OP74	<u>Yu. Nelyubina</u>	Towards molecular design of spin- crossover complexes based on 2,6-di(pyrazole-3-yl)pyridines
12:50-13:10	OP75	<u>M. Khusniyarov</u>	Light-Induced Spin-Crossover at Room Temperature
13:10-13:30	OP76	<u>J. Jimenes Gallego</u> , B. Doistau, C. Besnard, C. Pigueta	Cr(III)-chromophores displaying room temperature millisecond excited-state lifetimes: toward efficient sensitizers for polymetallic energy-converting devices
SESSION 35			
12:10-12:25	YO19	<u>E. Mitoudi Vagourdi</u> , M. Johnsson, R.K. Kremer	Compounds containing lone pair element cations and structural related properties
12:25-12:40	YO20	<u>L. Cailler</u> , A. Martynov, Y. Gorbunova, A. Tsvadze, A. Sorokin	Carbene insertion into N-H bonds of 2-aminothiazole and 2-amino-1,3,4- thiadiazole derivatives catalyzed by iron phthalocyanine.
12:40-12:55	YO21	<u>A. Markov</u> , I. Yakushev, N. Cherkashina, I. Stolarov, A. Gekhman, M. Vargaftik	Molecular structure of palladium and platinum acetates: DFT and QTAIM study
12:55-13:10	YO22	<u>E. Arkhipova</u> , Yu. Tambovtseva, A. Ivanov, K. Maslakov, S. Savilov	Effect of cation size of tetraalkylammonium-based ionic liquids on specific capacitance of N-doped graphene nanoflakes
13:10-13:25	YO23	<u>I. Lapshin</u> , A. Trifonov	Divalent lanthanides and alkaline- earth metal complexes coordinated by NHC ligands – efficient catalysts for highly regio- and chemoselective hydrophosphinations with PH_3
13:30-15:30	LUNCH		

SESSION 36

- 15:30-15:55 IL11 Y. Deligiannakis, Y. Georgiou, E. Mouzourakis, K. Moularas, P. Psathas Inorganic Nanomaterials for Catalytic Energy Technologies
- 15:55-16:20 IL12 M. Louloudi Metal complexes interfaced with inorganic particles: the hybrid technology in catalysis
- 16:20-16:40 OP77 D. Long, Q. Zheng, L. Cronin Assembly of multi-layered mixed-metal W/Mo and mixed-valence W(VI)/Mo(V) molecular metal oxide cages
- 16:40-17:00 OP78 A. Medvedev, A. Mikhaylov, D. Grishanov, O. Lev, P. Prikhodchenko Vanadium oxide thin film formation on reduced graphene oxide by peroxide route and its application as electrode material
- 17:00-17:20 OP79 I. Meshkov, A. Shokurov, S. Selektor, V. Bulach, M. Wais Hosseini, A. Tsvivadze, Yu. Gorbunova Molecular Brake Based on the Zn(II) Porphyrin Dimer: Dynamic Behavior in Solution and Ultrathin Films

SESSION 37

- 15:30-15:55 IL13 D. Meyerstein, E. Illés, A. Mizrahi, V. Marks, H. Kornweitz, A. Burg The roles of $\text{HCO}_3^-/\text{CO}_3^{2-}$ in catalytic oxidation processes
- 15:55-16:20 IL14 V. Kozhevnikov, B.V. Politov, A.Yu. Suntsov, I.A. Leonidov Thermodynamics and transport properties of promising cathode materials based on the double-perovskite type cobaltites
- 16:20-16:40 OP80 E. Kravcherno, A. Gippius Magnetism of diamagnetic compounds
- 16:40-17:00 OP81 A. Pavlov, V. Novikov Paramagnetic NMR spectroscopy – a tool for molecular switches studies
- 17:00-17:20 OP82 S. Vyboishchikov, A. Voityuk Simple one- and two-parameter models for calculating atomic charges in molecules

SESSION 38

- 15:30-15:55 IL15 A.Majouga, E.K.Beloglazkina Biomimetics of redox metalloenzymes as a novel class of copper anticancer agents: from discovery to preclinical evaluation

SESSIONS' PROGRAM

15:55-16:20	IL16	<u>A. Mustafina</u> , J. Elistratova, K. Petrov, A. Mukhametshina, B. Akhmadeev, A. Gubaidullin, I. Nizameev, K. Kholin	Multinuclear 4(5)d-complexes as versatile building blocks for design and synthesis of nanomaterial with bioanalytical and biochemical applicability
16:20-16:40	OP83	<u>A. Bilyachenko</u>	Cage Metallasesquioxanes: synthesis and properties
16:40-17:00	OP84	<u>A. Nazarov</u> , I. Shutkov, M. Gonchar, I. Zenin, A. Antonets, E. Milaeva	Ru and Pt anticancer compounds with targeting ligands
17:00-17:20	OP85	<u>O. Fedorova</u> , A. Zubenko, Y. Fedorov, S. Kalmykov, B. Egorova	Aryl substituted DOTA derivatives as reagents for radionuclear conjugation to transport biomolecules
SESSION 39			
15:30-15:55	IL17	<u>M. Sokolov</u> , A. Mironova, M. Mikhaylov, M. Feliz, M. Shamshurin	Cluster iodides of early transition metals
15:55-16:20	IL18	<u>A. Shevelkov</u> , T. Shestimerova, N. Golubev	Tailoring Light-Harvesting Materials through Strong and Weak Bonding in Complex Bismuth Iodides and Polyiodides
16:20-16:35	YO24	<u>A. Plajer</u> , F.J. Rizzuto, H. Niu, S. Lee, J.M. Goodman, D.S. Wright	N-H $\cdots\pi$ -Bonding and Guest Entrapment by an Inorganic Macrocycle
16:35-16:50	YO25	<u>V. Krivoborodov</u> , N. Tarasova, Ya. Mezhev, A. Zanin, E. Shelenkova	The reaction of dimethylphosphate 1,3-dimethylimidazolium with sulfur
16:50-17:05	YO26	<u>M. Domańska</u> , T. Jaroń	Designing of the recycling procedure of the model salts containing highly-fluorinated weakly coordinating anions
17:00-17:20	YO27	<u>R. Collins</u> , R. Layfield	Heterobimetallic Lanthanide Isocarbonyl Complexes as Single-Molecule Magnets
19:00	CONFERENCE DINNER		

FRIDAY, JUNE 28

SESSION 40

10:00 - 10:40	PL8	<u>V. Yam</u>	From Simple Discrete Metal Complexes to Supramolecular Assembly and Nanostructures
10:40 - 11:10	KL14	<u>S. Konchenko</u>	Zintl ions as ligands towards lanthanide organometallics
11:10 - 11:40	KL15	<u>V. Nadtochenko,</u> D. Cherepanov, I. Shelaev, F. Gostev, M. Mamedov, A. Aybush, V. Shuvalov, A. Semenov	Ultrafast electron transfer reactions: charge photoseparation in photosynthetic reaction centers

12:10 - 12:50

COFFEE

SESSION 41

12:10 - 12:40	KL16	<u>V. Komlev</u>	Towards technological development of personalized biomaterials for bone tissue engineering
12:40-13:20	PL9	<u>L. De Cola</u>	Self-assembling luminescent complexes: from understanding to artificial virus

14:10-15:00

CLOSING CEREMONY

LIST OF POSTERS

P1	Abdel-Rahman Obadah	Rainer F. Winter	Synthesis, Investigation, and DFT Studies on Bis(Alkenylruthenium) Complexes with Free-Rotating and Rotationally Restricted Biaryl Bridges
P2	Abramova Evgenia	E. Kostenko, A. Gitlina, V. Boyarskiy, E. Eliseenkov, E. Grachova	Gold(I) complexes decorated by flexible alkynyl-terpyridine ligands: some features of luminescence
P3	Ageshina Alexandra	Grigorii Sterligov, Maxim Topchiy, Pavel Gribanov, Gleb Chesnokov, Mikhail Nechaev, Andrey Asachenko	Physical factors controlling selectivity of the CuAAC reaction with diazides and dialkynes
P4	Akatyev Nikolay	Mikhail Yl'in, Olga Lependina, Kirill Kudryavtsev and Yuri Belokon'	The efficiency of copper catalysts in Chan-Evans-Lam (CEL) reaction. Crucial role of metal ion numbers and counteranion nature.
P5	Aleksanyan Diana	Svetlana Churusova, Ekaterina Rybalkina, Vladimir Kozlov	Tricarbonylrhenium(I) complexes based on non-classical pincer ligands with central amide units as potential anticancer agents
P6	Astakhov Grigorii	Bilyachenko A.N., Levitsky M.M.	Copper-containing cage-like structures and their catalytic activity in Chan-Evans-Lam coupling reaction
P7	Avdeeva Varvara	Anna Vologzhanina, Grigorii Buzanov, Elena Malinina, Nikolai Kuznetsov	Silver(I) complexes with coordinated and non-coordinated decachloro-closo-decaborate anion
P8	Babak Maria	Vladimir B. Arion	New Water-Soluble Copper(II) Complexes with Morpholine-Thiosemicarbazone Hybrids: Insights into the Anticancer and Antibacterial Mode of Action
P9	Baklanova Inna	Vladimir Krasil'nikov, Alexander Tyutyunnik, Olga Gyrdasova, Rina Samigullina, Yana Baklanova, Andrey Enyashin	Spectroscopic and luminescence characteristics of solid solutions γ -(Al _{1-x} Ga _x) ₂ O ₃

P10	Baklanova Yana	Anton L. Buzlukov, Aleksandra A. Savina, Sergey F. Solodovnikov, Alexander V. Skachkov, Elena G. Khaikina, Tatiana A. Denisova	Sodium-ion transport in triple molybdates with pseudo-orthorhombic alluaudite-related structures
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