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III. A – Časopisy s IF

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175. Y. Bayeh, P. Osuský, N.J. Yutronkie, R. Gyepes, A. Sergawie, P. Hrobárik, R. Clérac, M. Thomas: Spin state of two mononuclear iron(II) complexes of a tridentate bis(imino) pyridine N-donor ligand: Experimental and theoretical investigations. *Polyhedron* 227 (2022) 116136. DOI: 10.1016/j.poly.2022.116136 (IF₂₀₂₂=2.975)

III. B – Časopisy bez IF

1. E. Rakovský and R. Gyepes: Butane-1,4-diammonium dihydrogen-decavanadate(V). *Acta Crystallogr. Sect. E: Struct. Rep. Online* 8 (2006) M1820–M1822. DOI: 10.1107/S1600536806026249
2. E. Rakovský and R. Gyepes: Butane-1,4-diammonium decavanadate(V) hexahydrate. *Acta Crystallogr. Sect. E: Struct. Rep. Online* 9 (2006) M2108–M2110. DOI: 10.1107/S1600536806030480
3. A. Ebrahimi, R. Gyepes, M. Bujdoš, L. Krivosudský: Crystal structure of bis(ammonium) bis[pentaaqua(dimethylformamide)zinc(II)] decavanadate tetrahydrate. *Acta Crystallogr. E* 78 (2022) 481–484. DOI: 10.1107/S2056989022003449

IV. – Učebnice

1. R. Gyepes, K. Szarka, O. Hegedűs, R. Mészáros: A laboratóriumi technika alapjai. Tankönyv a kémia- és/vagy biológiatanár szakos hallgatók részére. Zászlady laboratóriumi techniky. Vysokoškolská učebnica pre študentov pedagogických fakúlt so zameraním na aprobačný predmet chémia a/alebo biológia s vyučovacím jazykom maďarským. Univerzita J. Selyeho, Komárno 2022, ISBN 978-80-8122-402-7.

VI. – Přednášky typu „invited speaker“

1. The bent titanocene unit – cradle of a highly exciting chemistry. Pokroky v anorganické chémii, Univerzita Komenského v Bratislave, 2012.

2. Diffraction in Chemistry. Characterization of Molecular Sieves, Praha 2013.

3. Porous Materials and their Chemistry - A Structural Introspective. International Symposium on Energy Challenges and Mechanics (ISECM), Aberdeen, 2014.

4. Neobvyklé vazby v organometalické i koordinační chemii. Anorganická chémia na východnom Slovensku, Košice, 2015.

5. Neobvyklé vazby v organometalické i koordinační chemii. Anorganická chémia na východnom Slovensku : Seminár venovaný 50. výročiu výučby a výskumu na Katedre anorganické chémie PF UPJŠ. Košice, 2015.

6. Computational Studies of Unusual Bonding Modes in Complexes with Transition Metals. 4th EMN Meeting on Computation and Theory, San Sebastián, 2018.

IX. – Disertační a habilitační práce

1. Structure and reactivity of titanocene derivatives, 1996, Katedra anorganické chemie, Přírodovědecká fakulta UK, Praha.

2. Struktura a vlastnosti cyklopentadienylových sloučenin titanu, 2004, Přírodovědecká fakulta UK, Praha.

X. – Abstrakta z mezinárodních sjezdů a sympozií

1. Titanocene and its product of intramolecular stabilization / Karel Mach, Michal Horáček, Róbert Gyepes. Workshop on Molecular Sieves and Catalysis : 4th Czech-Italian-Spanish 2011. ISBN 978-80-87351-14-7.

2. Chemie peroxidovanadičnanových komplexů / Jozef Tatiersky, Michal Sivák, Róbert Gyepes, 2014. Pokroky anorganické chemie, 2014. ISBN 978-80-87351-32-1.

3. Organokovové komplexy titanu a zirkonia obsahující Si-H vazbu / Jiří Pinkas, Martin Lamač, Michal Horáček, Róbert Gyepes, Karel Mach. Pokroky anorganické chemie, 2014. ISBN 978-80-87351-32-1.

4. Heuslerove zliatiny – zloženie, príprava, vlastnosti a aplikácie / Tomáš Ryba, Zuzana Vargová, Lucia Bujňáková, Róbert Gyepes, Sergej Ilkovič, Marian Reiffers, Rastislav Varga, 2014. Pokroky anorganické chemie, Praha, 2014. ISBN 978-80-87351-32-1.

5. Activation of Zirconocene Dihalides with Hydrosilane B(C₆F₅)₃ Adduct in Catalytic Ethylene Polymerization / Vojtech Varga, Martin Lamač, Michal Horáček, Róbert Gyepes, Jiří Pinkas. 47th Symposium on Catalysis, 2015. ISBN 978-80-87351-37-6.

6. Dizajn a syntéza nových pórovitých koordinačných polymérov : Adsorpcia plynov a heterogénna katalýza / Miroslav Almáši, Vladimír Zeleňák, Maksym Opanasenko, Róbert Gyepes, Juraj Kuchár, Jiří Čejka.

Anorganická chémia na východnom Slovensku : Seminár venovaný 50. výročiu výučby a výskumu na Katedre anorganickej chémie PF UPJŠ, 2015. ISBN 978-80-8152-247-5.

7. Komplexy striebra ako perspektívne terapeutiká / Zuzana Vargová, Miroslav Almáši, Danica Sabolová, Juraj Kuchár, Daniela Hudecová, Róbert Gyepes.

Anorganická chémia na východnom Slovensku: Seminár venovaný 50. výročiu výučby a výskumu na Katedre anorganickej chémie PF UPJŠ, 2015. ISBN 978-80-8152-247-5.

8. Ligand cyklénu ako perspektívne chelatačné činidlo toxických kovov / Miroslava Litecká, Zuzana Vargová, Róbert Gyepes, Mária Vilková, Ján Imrich.

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9. Molekulové rozpoznávanie látok biologického významu / Ingrida Rostášová, Mária Vilková, Zuzana Vargová, Róbert Gyepes, Ján Imrich, Petr Hermann, Ivan Lukeš.

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XI. – Účast na řešení grantů

1. Centrum molekulových struktur (203/99/M037) GA ČR, 1999.
2. Dohovor medzi Slovenskou republikou a Českou republikou o spolupráci vo vede a technike (VTS 160/202), 2002–2003.
3. Struktura, dynamika a funkce molekulárních a supramolekulárních systémů (MSM 1131 00001), MŠMT ČR, 2000–2004.
4. Silicon-based ansa-titanocene complexes: Synthesis, properties and catalytic activities (203/02/0774), GA ČR, 2002–2004.
5. Funkcionalizace cyklopentadienylových ligandů v Ti a Zr komplexech silany. Využití Si-H vazeb k syntéze a zakotvování katalyzátorů (104/05/0474) GA ČR, 2005–2007.
6. Struktura a syntetické aplikace komplexů přechodných kovů (LC06070), MŠMT ČR, 2006–2011.
7. Hybridní nanokompozitní materiály (KAN100400701), GA ČR, 2007–2011.
8. Nové molekulární systémy pro pokročilé aplikace prospěšné pro zdraví a šetrné k životnímu prostředí (MSM0021620857), MŠMT ČR, 2007–2013.
9. Group 4 metallocenes: activation of ligands for synthetic and catalytic applications (P207/12/2368) GA ČR, 2012–2016.
10. Organometallic frustrated Lewis pairs for stoichiometric and catalytic bond activations (14-08531S) GA ČR, 2014–2016.
11. Aluminum free catalytic system utilizing hydrosilane- $B(C_6F_5)_3$ adducts as activators in transition metal catalyzed ethylene polymerization (17-13778S), GA ČR, 2017–2019.
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13. Center for Advanced Materials: Design, Synthesis, and Applications (CZ.02.1.01/0.0/0.0/15_003/0000417), MŠMT ČR, 2016–2022.
14. Chirálné zlúčeniny prechodných prvkov so zameraním na vanád: interakcia experimentu a teórie pri syntéze a charakterizácii (1/0336/13), VEGA (Ministerstvo školstva SR), 2013–2016.
15. Zlúčeniny vanádu v katalýze a materiálovej chémii: interakcia experimentu a teórie (1/0507/17), VEGA (Ministerstvo školstva SR), 2017–2020.

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doc. RNDr. Róbert Gyepes, PhD.