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Informații personale

Nume / Prenume	**Habil. Dr. Csaba Paizs**
Addresa	Universitatea "Babeş-Bolyai" Cluj, Facultatea de Chimie şi Inginerie Chimică, Departamentul de Chimie şi Inginerie Chimică în limba maghiară, str. Arany János 11, 400029 Cluj-Napoca (România)
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E-mail	paizs@chem.ubbcluj.ro
Cetățenia	Română
Naționalitatea	Maghiară
Data nașterii	01 Aprilie 1969
Sex	Masculin
Domeniul de ocupație	**Profesor**

Experiența în muncă

Perioada	01 Octombrie 1996 - 01 Martie 2007
Ocupația / poziție	Preparator, Asistent, Lector
Principalele activități și responsabilități	Educație și cercetare
Numele și adresa angajatorului	Universitatea "Babeş-Bolyai", Mihail Kogălniceanu 1, Cluj-Napoca (România)
Perioada	01 Martie 2007 - 26 Septembrie 2015
Ocupația / poziție	Conferențiar
Principalele activități și responsabilități	Educație și cercetare
Numele și adresa angajatorului	Universitatea "Babeş-Bolyai", Mihail Kogălniceanu 1, Cluj-Napoca (România)
Perioada	2013 →
Principalele activități și responsabilități	Conducător de doctorat (Școala doctorală de Chimie)
Numele și adresa angajatorului	Universitatea "Babeş-Bolyai", Mihail Kogălniceanu 1, Cluj-Napoca (România)
Perioada	27 Septembrie 2015 →
Ocupația / poziție	Profesor
Principalele activități și responsabilități	Educație și cercetare
Numele și adresa angajatorului	Universitatea "Babeş-Bolyai", Mihail Kogălniceanu 1, Cluj-Napoca (România)

Educație și Pregătire

Perioada	15 Martie 2013→
Titlul sau calificarea obținută	Abilitat în domeniul chimie
Perioada	01 Octombrie 1996 - 15 Iunie 2001
Titlul sau calificarea obținută	Doctor în chimie
Numele și tipul organizației	Universitatea "Babeş-Bolyai", Mihail Kogălniceanu 1, Cluj-Napoca (România)

Paizs

Perioada	01 Octombrie 1994 - 15 Iunie 1995
Titlul sau calificarea obținută	Masterat în Cataliză și Biocataliză
Numele și tipul organizației	Universitatea "Babeş-Bolyai", Mihail Kogălniceanu 1, Cluj-Napoca (România)
Perioada	15 Septembrie 1989 - 14 Iunie 1994
Titlul sau calificarea obținută	Inginer Chimist
Numele și tipul organizației	Universitatea "Babeş-Bolyai", Mihail Kogălniceanu 1, Cluj-Napoca (România)

Aptitudini și competențe personale

Limba maternă **Maghiară, Română**

Limbi străine **Engleză**

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral			
C2	Utilizator experimentat	C2	Utilizator experimentat	C2	Utilizator experimentat	C1	Utilizator experimentat	C2	Utilizator experimentat

Domenii de cercetare

Biocataliză: biotransformări stereoselective (lipaze, esteraze, oxidoreductaze, amoniace-liaze și mutaze, transaminaze, decarboxilaze etc.)
Biochimie: mecanisme enzimatice; Studiul stereoselectivității reacțiilor enzimatice la nivel molecular; Proiectarea rațională a enzimelor, Utilizarea instrumentelor de biologie moleculară;
Biotehnologie: Dezvoltarea biocatalizatorilor (imobilizări enzimatice, inginerie proteică, lipaze noi, hidrolaze, enzime MIO-dependente, oxido-reductaze, transaminaze, decarboxilaze, etc.) - Dezvoltarea rețelelor enzimatice, imobilizarea enzimelor, dezvoltarea sistemelor integrate de micro- și minireactoare (multi)-enzimatice -sisteme cu unități în flux, pentru biotransformări stereoselective
Chimie analitică: separare cromatografică a enantiomerilor și proteinelor

Membru al asociaţiilor profesionale

Membru în: Societatea de Chimie din România; Societatea Română de Cataliză;

Membru CNATDCU Comisia de Chimie și Inginerie Chimică (2011-2012)

Expert din partea României în acțiunea COST CM1303 (Systems Biocatalysis, SysBiocat)

Membru în Comitetului Științific al Asociației Europene pentru Biocataliză Aplicată

Referent

Appl. Biochem. Biotechnol. – Adv. Synth. Catal. – Biocat. Biotechnol. J. Mol. Catal. B, Enz. – Molecules – Plos-ONE – Proc. Biochem. –Tetrahedron: Asymmetry, -React. Chem. Eng. etc.

Evaluator proiecte CNCSIS (România), OTKA (Ungaria) și NWO (Olanda). Referent la teze de doctorat (România și Ungaria)

Specializări şi calificări

1. Grant de cercetare la Universitatea din Karlsruhe (Prof. Dr. János Rétey) oferit de Comisia Europeană, HPRN- CT-2002-00195, 01.07.2003-31.10.2005

2. Grant de cercetare la Universitatea din Turku (Prof. Dr. Liisa T. Kanerva) oferit de "Center for International Mobility (CIMO)", Finlanda, 01.03.2002-31.12.2002

Publicaţii

4 Cărți (1 autor principal) – 3 capitole de cărți – 95 Articole științifice (IF ~300) – citări totale/independente ~ 1220/1000 – h-index: 20 – 1 Brevet național – ~ 60 Conferințe

Premii

Premiul "Oláh György" al Academiei Maghiare (2007)

Paizs

Cărți:

1. Moldovam, P., Toșa, M. I., Leț, D., Majdik, C., **Paizs, Cs.**, Irimie, F. D. *Aplicații pentru laboratorul de biochimie*, Napoca Star, Cluj-Napoca, 2006.

2. Toșa, M. I., **Paizs, Cs.**, Irimie, F. D. *Bioprocese pentru obținerea medicamentelor și intermediarilor*, Napoca Star, Cluj-Napoca, 2007.

3. Irimie, F., D., **Paizs, Cs.**, Toșa, M. I. *Biotransformări în sinteza organică*, Napoca Star, Cluj-Napoca, 2006.

4. **Paizs, Cs.**, Katona, A., Brem, J., Bencze, L. C. *Insights in Pure and Applied Biocatalysis*, Napoca Star, Cluj-Napoca, 2015.

Capitole de cărți:

1. Poppe, L., **Paizs, Cs.**, Kovács, K., Irimie, F. D., Vértessy, B. "Preparation of unnatural amino acids with ammonia-lyases and 2,3-aminomutases", in Methods in Molecular Biology, Vol. 794 "Unnatural amino acids", Part 1; New York: Springer Science+Business Media, **2012**, pp 3-19.

2. Irimie, F. D., **Paizs, Cs.**, Toșa, M. I. "Polymeric Materials Obtained through Biocatalysis, in Polymeric Biomaterials: Structure and Function", Volume 1, Eds: Dumitriu, S., Popa, V. CRC Press, USA, **2013**, pp. 617-657.

3. Irimie, F. D., **Paizs, C.**, Toșa, M. I., Bencze, L. C. "Biodiesel, a Green Fuel Obtained Through Enzymatic Catalysis", in Biomass as Renewable Raw Material to Obtain Bioproducts of High-tech Value Eds: Popa, V., Volf, I. Elsevier, Netherlands, 2018, pp. 191-234.

Brevet

1. Barabás, R., **Paizs, Cs.**, Pop, A. Fungicidal composition based on salts of the *N,N*-ethylene-bis-thiocarbamic acid and process for preparing the same (2010) **Patent Number:** RO122830-B1

Lista de publicații

1. Toşa, C., Miclăuş, V., Toşa, M. I., Pop, Al., Paizs, C. (1997): Oxidation of methanol to formaldehyde on Mo-Fe oxide as catalyst. I Mathematical model of the mass balance. Revista de chimie (Bucharest) 48, 284-290. (I.f. 0.125)

2. Pop, Al., Paizs, C., Toşa, C., Toşa, M. I., Miclăuş, V. (1997): Oxidation of methanol to formaldehyde on Mo-Fe oxide as catalyst. II Mathematical modeling and process analysis. Revista de chimie (Bucharest) 48, 616-620. (I.f. 0.125)

3. Irimie, F. D., Paizs, C., Toşa, M. I., Afloroaiei, C., Miclăuş, V. (1997): Baker's yeast mediated reductions of some nitrodibenzofurans. Heterocyclic Communications 3, 549-553. (I.f.0.401)

4. Damian, G., Cozar, O., Miclăuş, V., Paizs, C., Znamirovschi, V., Chiş, V., David, L. (1998): ESR Study of the dynamics of adsorbed nitroxide radicals on porous surfaces in the dehydratation process. Colloids and Surfaces A 137, 1-6. (I.f. 1.146)

5. Irimie, F. D., Afloroaiei, C., Toşa, M. I., Paizs, C. (1999): Bioreduction with baker's yeast of π-deficient heterocyclic aldehydes. Heterocyclic Communication 5, 253-256. (I.f.0.401)

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6. Grosu, I., Balog, M., Paizs, C., Ple, G., Irimie, F. D., Mager, S., Podea, R. (2000): Synthesis and stereochemistry of some new 1,3-dioxane derivatives obtained from 5-aryl-2-furaldehydes. Revue Roumaine de Chemie 45, 877-882. (I.f. 0.259)

7. Toşa, M. I., Paizs, C., Majdik, C., Poppe, L., Kolonits, P., Silberg I. A., Novák, L., Irimie, F. D. (2001): Selective oxidation methods for preparation of N-alkylphenothiazine sulfoxides and sulfones. Heterocyclic Communications 7 277-282. (I.f. 0.352)

8. Toşa, M. I., Paizs, C., Majdik, C., Moldovan, P., Novák, L., Kolonits, P., Szabó, É., Poppe, L., Irimie, F. D. (2002): Baker's yeast mediated preparation of (10-alkyl-10H-phenothiazin-3-yl)methanols. Journal of Molecular Catalysis B, Enzymatic 17, 241-248. (I.f. 1.408)

9. Toşa, M. I., Paizs, C., Majdik, C., Novák, L., Kolonits P., Irimie, F., Poppe, L. (2002): Optically active 3-substituted-10-alkyl-10H-phenothiazine-5-oxides by enantiomer selective biotransformations. Tetrahedron: Asymmetry 13, 211-221. (I.f. 2.265)

10. Cimpoiu, C., Hodişan, T., Toşa, M. I., Paizs, C., Majdik, C., Irimie F. D. (2002): Separation of N-alkyl-phenothiazin- sulfones by HPTLC using an optimum mobile phase. Journal of Pharmaceutical and Biomedical Analysis 28, 385-359. (I.f. 1.177)

11. Iliescu, T., Irimie, F. D., Bolboaca, M., Paizs, C., Kiefer, W. (2002): Vibrational spectroscopic investigations of 5-(4-fluoro-phenyl)-furan-2-carbaldehyde. Vibrational Spectroscopy 29, 235-239. (I.f. 1.167)

12. Iliescu, T., Irimie, F. D., Bolboaca, M., Paizs, C., Kiefer, W. (2002): Surface enhanced Raman spectroscopy of 5-(4-fluoro-phenyl)-furan-2-carbaldehyde adsorbed on silver colloid. Vibrational Spectroscopy 29, 251-255. (I.f. 1.167)

13. Irimie, F. D., Paizs, C., Toşa, M. I., Majdik, C., Mişca, R., Silaghi-Dumitrescu, R. (2002): Bioorganic synthesis of some (5-(benzothiazole-2-yl)furan-2-yl)methanols in cell catalysis using Saccharomyces cerevisiae. Heterocyclic Communications 8, 489-492. (I.f. 0.352)

14. Paizs, C., Toşa, M. I., Majdik, C., Bódai, V., Novák, L., Irimie, F. D., Poppe, L. (2002) Chemo-enzymatic preparation of hydroxymethyl ketones. Journal of the Chemical Society, Perkin Transactions 1 21, 2000-2002. (I.f. 2.208)

15. Paizs, C., Toşa, M. I., Majdik, C., Tähtinen, P., Irimie, F. D., Kanerva, L. T. (2003) Candida antarctica lipase A in the dynamic resolution of novel furylbenzotiazol-based cyanohydrin acetates. Tetrahedron: Asymmetry 14, 619-627. (I.f. 2.178)

16. Paizs, C., Toşa, M. I., Majdik, C., Moldovan, P., Novák, L., Kolonits, P., Marcovici, A., Irimie, F. D., Poppe, L. (2003): Optically active 1-(benzofuran-2-yl)ethanols and ethane-1,2-diols by enantiotopic selective bioreductions. Tetrahedron: Asymmetry 14, 1495-1501. (I.f. 2.178)

17. Bolboaca, M., Iliescu, T., Paizs, C., Irimie, F. D., Kiefer, W. (2003): Raman, Infrared, and Surface-Enhaced Raman Spectroscopy in

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Combination with ab initio and density functional theory calculations on 10-isopropyl-10H-phenothiazine-5-oxide. Journal of Physical Chemistry A 107, 1811-1818. (I.f. 2.792)

18. Paizs, C., Tähtinen, P., Lundell, K., Poppe, L., Irimie, F. D., Kanerva, L. T. (2003): Preparation of novel phenylfuran-based cyanohydrin esters: lipase-catalysed kinetic and dynamic resolution. Tetrahedron: Asymmetry 14, 1895-1904. (I.f. 2.178)

19. Paizs, C., Toşa, M. I., Bódai, V., Szakács, Gy., Kmecz, I., Simándi, B., Majdik, C., Novák, L., Irimie F. D., Poppe L. (2003): Kinetic resolution of 1-(benzofuran-2-yl)ethanols by lipase-catalyzed enantiomer selective reactions. Tetrahedron: Asymmetry 14, 1943-1949. (I.f. 2.178)

20. Paizs, C., Tähtinen, P., Toşa, M. I., Majdik, C., Irimie, F. D., Kanerva, L. T. (2004) Biocatalytic enantioselective preparation of phenothiazine-based cyanohydrin acetates: kinetic and dynamic kinetic resolution. Tetrahedron 60, 10533-10540. (I.f. 2.643)

21. Iliescu, T., Maniu, D., Chiş, V., Irimie, F. D., Paizs, C., Toşa, M. (2005) NIR surface enhanced Raman spectroscopy and bands assignment by DFT calculations of non-natural β-amino acids. Chemical Physics 310, 189-199. (I.f. 2.316)

22. Paizs, C., Katona, A., Rétey, J. (2006) The Interaction of Heteroaryl-Acrylates and Alanines with Phenylalanine Ammonia-Lyase from Parsley. Chemistry, a European Journal 12, 2739-2744. (I.f. 5.015)

23. Paizs, C., Katona, A., Rétey, J. (2006) Chemoenzymatic One-Pot Synthesis of Enantio-Pure l-Arylalanines From Arylaldehydes. European Journal of Organic Chemistry 1113-1116. (I.f. 2.769)

24. Katona, A., Toşa, M. I., Paizs, C., Rétey, J. (2006) Inhibition of Histidine Ammonia-Lyase by Heteroaryl-alanines and Acrylates. Chemistry and Biodiversity 3, 502-508. (I.f. 1.616)

25. Paizs, C., Bartlewski-Hof, U., Rétey, J. (2007) Investigation of the Mechanism of Action of Pyrogallol–Phloroglucinol Transhydroxylase by Using Putative Intermediates. Chemistry, a European Journal 13, 2805-2811. (I.f. 5.330)

26. Podea, P., Toşa, M. I., Paizs, C., Irimie, F. D. (2008) Chemoenzymatic preparation of enantiopure L-benzofuranyl- and L-benzo[b]thiophenyl alanines. Tetrahedron: Asymmetry 19, 500-511. (I.f. 2.796)

27. Toşa, M. I., Pilbák, S., Moldovan, P., Paizs, C., Szatzker, G., Szakács, Gy., Novák, L., Irimie, F. D., Poppe, L. (2008) Lipase-catalyzed kinetic resolution of racemic 1-heteroarylethanols-experimental and QM/MM study. Tetrahedron: Asymmetry 19, 1844-1852. (I.f. 2.796)

28. Podea, P., Paizs, C., Toşa, M. I., Irimie, F. D. (2008) Baker's yeast-mediated synthesis of (R)- and (S)-heteroaryl-ethane-1,2-diols. Tetrahedron: Asymmetry 19, 1959-1964. (I.f. 2.796).

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29. Toşa, M. I., Podea, P., Paizs, C., Irimie, F. D. (2008) Chemoenzymatic synthesis of (R)- and (S)-1-heteroarylethanols. Tetrahedron: Asymmetry 19, 2068-2071. (I.f. 2.796).

30. Paizs, C., Diemer, T., Rétey, J. (2008) The putative coenzyme B12-dependent methylmalonyl-CoA mutase from potatoes is a phosphatase. Bioorganic Chemistry 36, 261-264. (I.f. 1.985).

31. Brem, J. Paizs, C., Toşa, M. I., Vass, E., Irimie, F. D. (2009) Enzyme-catalysed synthesis of (R)- and (S)-3-heteroaryl-3-hydroxy-propanoic acids and their derivatives. Tetrahedron: Asymmetry 20, 489-496. (I.f. 2.625)

32. Irimie, F. D., Paizs, C., Toşa, M. I., Podea, P. (2009) New ways for old structures. Studia Universitatis Babeş-Bolyai, Chemia 54, 7-16. (I.f. 0.086)

33. Sandu, D., Lingvay, I., Lányi, Sz., Micu, D. D., Popescu, C. L., Brem, J. Bencze, L. Cs., Paizs, C.* (2009) The effect of electromagnetic fields on baker's yeast population dynamics, biocatalytic activity and selectivity. Studia Universitatis Babeş-Bolyai, Chemia 54, 195-201. (I.f. 0.086)

34. Bencze L. Cs., Paizs, C., Toşa, M. I., Irimie, F. D. (2010) Substituent effects on the stereochemical outcome of the baker's yeast-mediated biotransformation of α-hydroxy- and α-acetoxymethyl-5-phenylfuran-2-yl-ethanones. Tetrahedron: Asymmetry 21, 356-364. (I.f. 2.484)

35. Brem, J. Toşa, M. I., Paizs, C., Vass, E., Irimie, F. D. (2010) Enzyme-catalyzed synthesis of (R)- and (S)-3-hydroxy-3-(10-alkyl-10H-phenothiazin-3-yl)propanoic acids. Tetrahedron: Asymmetry 21, 365-373. (I.f. 2.484)

36. Bencze L. Cs., Paizs, C., Toşa, M. I., Vass, E., Irimie, F. D. (2010) Synthesis of enantiomerically enriched (R)- and (S)-benzofuranyl- and benzo[b]thiophenyl-1,2-ethanediols via enantiopure cyanohydrins as intermediates. Tetrahedron: Asymmetry 21, 443-450. (I.f. 2.484)

37. Brem, J., Toşa, M. I., Paizs, C., Munceanu, A., Matković-Čalogović, D., Irimie, F. D. (2010) Lipase-catalyzed kinetic resolution of racemic 1-(10-alkyl-10H-phenothiazin-3-yl)ethanols and their butanoates. Tetrahedron: Asymmetry 21, 1993-1998. (I.f. 2.484)

38. Bencze L. C., Paizs, C., Toşa, M. I., Trif, M., Irimie, F. D. (2010) CaL-B a highly selective biocatalyst for the kinetic resolution of furylbenzthiazole-2-yl ethanols and acetates. Tetrahedron: Asymmetry 21, 1999-2004. (I.f. 2.484)

39. Paizs, C., Toşa, M. I., Bencze L. C., Brem, J., Irimie, F. D., Rétey, J. (2011) 2-Amino-3-(5-phenylfuran-2-yl) propanoic acids and 5-phenylfuran-2-yl acrylic acids are novel substrates of phenylalanine-ammonia-lyase. Heterocycles 82, 1217-1228. (I.f. 0.999)

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40. Bencze, L. Cs., Paizs, C., Toşa, M. I., Irimie, F. D. Rétey, J. (2011) Chemoenzymatic One-Pot Synthesis of both (R)- and (S)-aryl-1,2-ethanediols. ChemCatChem 3, 343-346. (I.f. 5.207)

41. Brem, J., Liljeblad, A., Paizs, C., Toşa, M. I., Irimie, F. D., Kanerva, L. T. (2011) Lipases A and B from Candida antarctica in the enantioselective acylation of ethyl 3-heteroaryl-3-hydroxypropanoates: aspects on the preparation and enantiopreference. Tetrahedron: Asymmetry 22, 315-322. (I.f. 2.652)

42. Bencze, L. Cs., Paizs, C., Toşa, M. I., Irimie, F. D. (2011) Sequential use of regio- and stereoselective lipases for the efficient kinetic resolution of racemic 1-(5-phenylfuran-2-yl)ethane-1,2-diols. Tetrahedron: Asymmetry 22, 675-683. (I.f. 2.652)

43. Brem, J., Pilbák, S., Paizs, C., Bánoczi, G., Irimie, F. D., Toşa, M. I., Poppe, L. (2011) Lipase-catalyzed kinetic resolutions of racemic 1-(10-ethyl-10H-phenothiazin-1,2, and 4-yl)ethanols and their acetates. Tetrahedron: Asymmetry 22, 916-923. (I.f. 2.652)

44. Gog, A., Chintoanu, M., Roman, M., Luca, E., Paizs C., Irimie, F. D. (2011) Biodiesel Production from Sunflower Oil with Candida antarctica Lipase B. Studia Universitatis Babeş-Bolyai, Chemia 56, 71-79. (I.f. 0.129)

45. Pop, L. A., Czompa, A., Paizs, C., Toşa, M. I., Vass, E., Mátyus, P., Irimie, F. D. (2011) Lipase-Catalyzed Synthesis of Both Enantiomers of 3-Chloro-1-arylpropan-1-ols Synthesis 2011, 2921-2928. (I.f. 2.466)

46. Brem, J., Naghi, M., Toşa, M. I., Boros, Z., Poppe, L., Irimie, F. D., Paizs, C.* (2011) Lipase mediated sequential resolution of aromatic β-hydroxy esters using fatty acid derivatives. Tetrahedron: Asymmetry 22, 1672-1679. (I.f. 2.652)

47. Brem, J., Turcu, M.C., Paizs, C., Lundell, K., Toşa, M.I., Irimie, F.D., Kanerva, L.T. (2012) Immobilization to improve the properties of Pseudomonas fluorescens lipase for the kinetic resolution of 3-aryl-3-hydroxy esters. Process Biochemistry 47, 119-126. (I.f. 2.627)

48. Gog, A., Roman, M., Toşa, M.I., Paizs C., Irimie, F. D. (2012) Biodiesel production using enzymatic transesterification - Current state and perspectives. Renewable Energy 39, 10-16. (I.f. 2.978)

49. Naghi, M., Bencze, L. Cs., Brem, J., Paizs C., Irimie, F. D., Toşa, M.I. (2012) Sequential enzymatic procedure for the preparation of enantiomerically pure 2-heteroaryl-2-hydroxyacetic acids. Tetrahedron: Asymmetry 23, 181-187. (I.f. 2.652)

50. Brem, J., Bencze, L. Cs., Liljeblad, A., Turcu, M.C., Paizs C., Irimie, F. D., Kanerva, L.T. (2012) Chemoenzymatic Preparation of 1-Heteroarylethanamines of Low Solubility. European Journal of Organic Chemistry 17, 3288–3294. (I.f. 3.329)

51. Toşa, M.I., Brem, J., Mantu, A., Irimie, F. D., Paizs C.*, Rétey, J. (2013) The Interaction of Nitrophenylalanines with Wild Type and Mutant 4-Methylideneimidazole-5-one-less Phenylalanine Ammonia Lyase. ChemCatChem 5, 779-783. (I.f. 5.044)

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52. Hara, P., Turcu, M., Sundell, R., Toşa, M. I., Paizs, C., Irimie, F. D., Kanerva, L. T. (2013) Lipase-catalyzed asymmetric acylation in the chemoenzymatic synthesis of furan-based alcohols. Tetrahedron: Asymmetry 24, 142-150. (I.f. 2.165)

53. Nagy, B., Dima, N., Paizs, C., Brem, J., Irimie, F. D., Toşa, M. I. (2014) New chemo-enzymatic approaches for the synthesis of (R)- and (S)-bufuralol. Tetrahedron: Asymmetry 25, 1316-1322. (I.f. 2.165)

54. Weiser, D., Varga, A., Kovács, K., Nagy, F., Szilágyi, A., Vértessy, B., Paizs, C., Poppe, L. (2014) Bisepoxide Cross-Linked Enzyme Aggregates-New Immobilized Biocatalysts for Selective Biotransformations. ChemCatChem 6, 1463-1469. (I.f. 4.556)

55. Kovács, K., Bánoczi, G., Varga, A., Szabó, I., Holzinger, A., Hornyánszki, G., Zagyva, I., Paizs, C.*, Vértessy, B., Poppe, L. (2014) Expression and Properties of the Highly Alkalophilic Phenylalanine Ammonia-Lyase of Thermophilic Rubrobacter xylanophilus. Plos One 9, e85943. (I.f. 3.234)

56. Boros, Z., Abaháziová, E., Weiser, D., Kovács, P., Paizs, C.*, Poppe, L. (2014) Surface modification of silica gels for selective adsorption of bacterial lipases. Studia Universitatis Babeş-Bolyai, Chemia 59(4), 33-38. (I.f. 0.136)

57. Bartha-Vári, J., Toşa, M. I., Irimie, F. D., Weiser, D., Boros, Z., Paizs, C.*, Poppe, L. (2015) Immobilization of phenylalanine ammonia-lyase on single-walled carbon nanotubes for stereoselective biotransformations in batch and in continuous-flow modes. ChemCatChem 7, 1122-1128. (I.f. 4.724)

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