

MONICA IOANA TOŞA

ACTIVITATE DIDACTICĂ ȘI PROFESIONALĂ (A1) CĂRȚI

1.: *Polymeric Materials Obtained through Biocatalysis*, pag. 617-657;
in *Polymeric Biomaterials: Structure and Function, Volume 1*, Eds.: Severian Dumitriu;
Valentin Popa

Autori: Florin Dan Irimie, Csaba Paizs, Monica Ioana Toşa
CRC Press, USA, 2013, ISBN: 9781420094701

2. *Bioprocese pentru obținerea medicamentelor și intermediarilor*,
Autori: Monica Ioana Toşa, Csaba Paizs, Florin Dan Irimie:
Editura Napoca Star, Cluj-Napoca, 2007, ISBN: 978-973-647-531-5

3. Biotransformări în sinteza organică

Autori: Florin Dan Irimie, Csaba Paizs, Monica Ioana Toşa
Editura Napoca Star, Cluj-Napoca, 2006, ISBN: 978-973-647-467-5

4. Aplicații pentru laboratorul de biochimie

Autori: Paula Moldovan, Monica Ioana Toşa, Daniela Let, Cornelia Majdik, Csaba Paizs,
Florin Dan Irimie:
Editura Napoca Star, Cluj-Napoca, 2006, ISBN: 978-973-647-464-4

Calcule activitate A1

Număr cărți/Capitole	Factor k	Total
4	3	12

Declar pe propria răspundere că datele corespund cu realitatea.

Cluj-Napoca,

10 aprilie 2015

Conf. Dr. Ing. Monica Ioana TOŞA

MONICA IOANA TOŞA

ACTIVITATE DE CERCETARE A2.

ACTIVITATE A 2.1. ARTICOLE ÎN REVISTE COTATE ISI THOMSON REUTERS

1. Toşa, C., Miclăuş, V., Toşa, M. I., Pop, Al., Paizs, Cs. (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, Cs., 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, Cs., **Toşa, M. I.**, Afloroaiei, C., Miclăuş, V. (1997): Baker's yeast mediated reductions of some nitrodibenzofurans. Heterocyclic Communications 3, 549-553. (I.f. 0.4)
4. Irimie, F. D., Afloroaiei, C., **Toşa, M. I.**, Paizs, Cs. (1999): Bioreduction with baker's yeast of π-deficient heterocyclic aldehydes. Heterocyclic Communication 5, 253-256. (I.f. 0.401)
5. **Toşa, M. I.**, Paizs, Cs., 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)
6. **Toşa, M. I.**, Paizs, Cs., 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)
7. **Toşa, M. I.**, Paizs, Cs., 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)
8. Cimpoi, C., Hodişan, T., **Toşa, M. I.**, Paizs, Cs., 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)
9. Irimie, F. D., Paizs, Cs., **Toşa, M. I.**, Majdik, C., Mișca, 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)
10. Paizs, Cs., **Toşa, M. I.**, Majdik, C., Bodai, 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)
11. Paizs, Cs., **Toşa, M. I.**, Majdik, C., Tähtinen, P., Irimie, F. D., Kanerva, L. T. (2003): *Candida antarctica* lipase A in the dynamic resolution of novel furylbenzothiazol-based cyanohydrin acetates. Tetrahedron: Asymmetry 14, 619-627. (I.f. 2.178)
12. Paizs, Cs., **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)
13. Paizs, Cs., **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)
14. Paizs, Cs., 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)
15. Iliescu, T., Maniu, D., Chiș, V., Irimie, F. D., Paizs, Cs., **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)
16. Katona, A., **Toşa, M. I.**, Paizs, Cs., Rétey, J. (2006) Inhibition of Histidine Ammonia-Lyase by Heteroaryl-alanines and Acrylates. Chemistry and Biodiversity 3, 502-508. (I.f. 1.616)

17. Endredi, H., Billes, F., **Toşa, M. I.**, Majdik, C., Irimie, F. D. (2006) Experimental and quantum chemical study on the vibrational spectroscopy of N-methylphenothiazines: Part 1 Spectrochim. acta Part A-Molecular and biomolecular spectroscopy 63(2), 349-360 (I.f. 1.27)
18. Podea, P., **Toşa, M. I.**, Paizs, Cs., 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)
19. **Toşa, M. I.**, Pilbák, S., Moldovan, P., Paizs, Cs., 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)
20. Podea, P., Paizs, Cs., **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).
21. **Toşa, M. I.**, Podea, P., Paizs, Cs., Irimie, F. D. (2008) Chemoenzymatic synthesis of (R)- and (S)-1-heteroarylethanols. Tetrahedron: Asymmetry 19, 2068-2071. (I.f. 2.796).
22. Brem, J. **Paizs, Cs.**, **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)
23. Irimie, F. D., Paizs, Cs., **Toşa, M. I.**, Podea, P. (2009) New ways for old structures. Studia Universitatis Babeş-Bolyai, Chemia 54, 7-16. (I.f. 0.086)
24. Billes, F., Podea P.V., Mohammed-Ziegler, I., **Toşa, M.**, Mikosch, H., Irimie, D.-F. (2009) Formyl-and acetylindols: Vibrational spectroscopy of an expectably pharmacologically active compound family Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy 74(5), 1031-104
25. Marcovici, A.M., **Toşa, M.-I.**, Vlase, O., Leucuţa, S.E., Irimie, F.D. (2009) Quantification of ibuprofen and pseudoephedrine in human plasma by LC/MS/MS for pharmacokinetic studies. Studia Universitatis Babes-Bolyai Chemia, SPEC.ISSUE 2, 171-179 (If 00.086)
26. Bencze L. Cs., **Paizs, Cs.**, **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)
27. Brem, J. **Toşa, M. I.**, **Paizs, Cs.**, 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)
28. Bencze L. Cs., **Paizs, Cs.**, **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)
29. Brem, J., **Toşa, M. I.**, **Paizs, Cs.**, 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)
30. Bencze L. Cs., **Paizs, Cs.**, **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)
31. **Paizs, Cs.**, **Toşa, M. I.**, Bencze L. Cs., 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)
32. Stanca, M.H., Nagy, A., **Toşa, M.**, Vlad, L. (2011) Hepatoprotective effects of orally administered melatonin and *tinospora cordifolia* in experimental jaundice Chirurgia (Bucharest, Romania : 1990) 106, 205-210 (I.f. 0.375)
33. Bencze, L. Cs., **Paizs, Cs.**, **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)
34. Brem, J., Liljeblad, A., **Paizs, Cs.**, **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 enantio preference. *Tetrahedron: Asymmetry* 22, 315-322. (I.f. 2.652)
35. Bencze, L. Cs., **Paizs, Cs.**, **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)
36. Brem, J., Pilbák, S., **Paizs, Cs.**, 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)
37. Pop, L. A., Czompa, A., Paizs, Cs., **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)
38. Brem, J., Naghi, M., **Toşa, M. I.**, Boros, Z., Poppe, L., Irimie, F. D., Paizs, Cs. (2011) Lipase mediated sequential resolution of aromatic β-hydroxy esters using fatty acid derivatives. *Tetrahedron: Asymmetry* 22, 1672-1679. (I.f. 2.652)
39. Brem, J., Turcu, M.C., Paizs, Cs., 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)
40. Gog, A., Roman, M., **Toşa, M.I.**, Paizs Cs., Irimie, F. D. (2012) Biodiesel production using enzymatic transesterification - Current state and perspectives. *Renewable Energy* 39, 10-16. (I.f. 2.978)
41. Naghi, M., Bencze, L. Cs., Brem, J., Paizs Cs., 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)
42. Pop, L., Lassalas, P., Bencze, L. C., Tosa, M. I., Nagy, B., Irimie, F. D., Hoarau, C.(2012) Chemoenzymatic synthesis of highly enantiomerically enriched secondary alcohols with a thiazolic core, *Tetrahedron: Asymmetry* 23, 474-481 (I.f. 2.652)
43. Chiş, L. M., Hriscu, M., Chirilă, F., Lupan, I., **Toşa, M.**, Irimie, F. D. (2012) Recombinant *Anoxybacillus flavithermus* T1 esterase/lipase: optimization of expression and recovery, *Environm. Eng. Manag. J.*, 1915-1922 (I.f. 1.117)
44. Chiş, L. M., Hriscu, M., Bica, A., **Toşa, M.**, Nagy, G., Vertessy, B., Irimie, F. D. (2013) Molecular cloning and characterization of a thermostable esterase/lipase produced by a novel *Anoxybacillus flavithermus* strain, *J. Gen. Appl. Microbiol.* 59(2), 119-134 (I.f. 0.598)
45. Hriscu, M., Chiş, L. M., **Toşa, M.**, Irimie, F. D. (2013) pH-Proiling of thermoactive lipases and esterases: Caveats and further notes, *Eur. J. of Lipid Sci. Technol.* 111(5), 571-575 (I.f. 2.033)
46. Hapău, D., Brem, J., Moisă, M., **Toşa, M. I.**, Irimie, F. D., Zaharia, V. (2013) Heterocycles 32. Efficient kinetic resolution of 1-(2-arylthiazol-4-yl)ethanols and their acetates using lipase B from *Candida antarctica*, *J. Mol. Catal. B: Enzymatic*, 88-94 (I.f. 2.745)
47. **Toşa, M.I.**, Brem, J., Mantu, A., Irimie, F. D., Paizs Cs., 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)
48. 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(2-3), 142-150 (I.f. 2.165)
49. Radu, A., Moisa, M. E., **Toşa, M. I.**, Dima, N., Zaharia, V., Irimie, F. D., (2014) *Candida antarctica* lipases acting as versatile catalysts for the synthesis of enantiopure (*R*)- and (*S*)-1-(2-phenylthiazol-4-yl)ethanamines, *J. Mol. Catal. B: Enzymatic*, 107, 114-119 (I.f. 2.745)
50. 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)
51. Judith H. Bartha-Vári, **Monica I. Toşa**, Florin-Dan Irimie, Diána Weiser, Zoltán Boros, Beáta G.Vértessy, Csaba Paizs, László Poppe: (2015) Immobilization of phenylalanine ammonia-

- lyase on single-walled carbon nanotubes for stereoselective biotransformations in batch and in continuous-flow modes, accepted, ChemCatChem 7, 1122-1128 (I.f. 5.044)
52. Dulf, F.; Vodnar, D.; Dulf, E.H.; **Tosa, M.** (2015): Total Phenolic Contents, Antioxidant Activities and Lipid Fractions from Berry Pomaces Obtained by Solid-State Fermentation of two Sambucus Species with *Aspergillus Niger*, J. of Agric. and Food Chem. 63, 3489-3500 (I.f. 3.107)
53. **Tosa, M.I.**, Komjáti, B.; Madarász, J.; Kolonits, P.; Poppe, L.; Nagy, J.; (2015): Stable hydrate of a β -lactamcarbaldehyde, Studia Univ. Babes-Bolyai, Chem. accepted

Declar pe propria răspundere că datele corespund cu realitatea.

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10 aprilie 2015

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Calcule activitate A2.1

Tabel centralizator pe reviste ISI, nr de articole și factori de impact.

Factorii de impact conform bazei de date Thomson Reuters, pentru anul în care a fost publicat articolul.

Revista	An	Poz. lista	Nr. articole	Factor Impact/an	Total
<i>Revista de chimie (Bucharest)</i>	1997	1,2	2	0.125	0.25
<i>Heterocyclic Communications</i>	1997-9	3,4	2	0.401	0.802
	2001-2	5,9	2	0.352	0.704
<i>Journal of Molecular Catalysis B, Enzymatic</i>	2002	6	1	1.408	1.408
	2013-14	46,49	2	2.745	5.49
<i>Journal of Pharmaceutical and Biomedical Analysis</i>	2002	8	1	1.177	1.177
<i>Journal of the Chemical Society, Perkin Transactions 1</i>	2002	10	1	2.208	2.208
<i>Chemical Physics</i>	2005	15	1	2.316	2.316
<i>Chemistry and Biodiversity</i>	2006	16	1	1.616	1.616
<i>Spectrochim. Acta Part A-Molecular and biomolecular spectroscopy</i>	2006	17	1	1.27	1.27
	2009	24	1	1.566	1.566
<i>Studia Universitatis Babes-Bolyai Chemia</i>	2009	23,25	2	0.086	0.172
	2014-15	53	1	0.136	0.136
<i>Heterocycles</i>	2011	31	1	0.999	0.999
<i>Chirurgia (Bucharest, Romania : 1990</i>	2011	32	1	0.375	0.375
<i>ChemCatChem</i>	2011	33	1	5.207	5.207
<i>ChemCatChem</i>	2013-15	47,51	2	5.044	10.088
<i>Journal of General and Applied Microbiology</i>	2013	44	1	0.598	0.598
<i>European Journal of Lipid Science and Technology</i>	2013	45	1	2.033	2.033
<i>Synthesis</i>	2011	37	1	2.466	2.466
<i>Process Biochemistry</i>	2012	39	1	2.627	2.627
<i>Environmental Engineering and Management Journal</i>	2012	43	1	1.117	1.117
<i>Renewable Energy</i>	2012	40	1	2.978	2.978
<i>Tetrahedron</i>	2004	14	1	2.643	2.643
<i>Tetrahedron: Asymmetry</i>	2002	7	1	2.265	2.265
	2003	11,12,13	3	2.178	6.534
	2008	18-21	4	2.796	11.184
	2009	22	1	2.625	2.625
	2010	26-30	5	2.484	12.42
	2011	34-36, 38	4	2.652	10.608
	2012	41,42	2	2.115	4.23
<i>Journal of Agricultural and Food Chemistry</i>	2013-14	48,50	2	2.165	4.33
TOTAL			53	107.549	

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ACTIVITATEA DE CERCETARE A2

A.2.2. Granturi/Proiecte câștigate prin competiție

Nr. crt.	Program/denumire proiect	Suma (lei)	Calitatea	Perioada
1	PNCDI: PN-II-PT-PCCA-2011-3.1-1268, 124/2012: Dezvoltarea unor biocatalizatori noi pentru obținerea economică a unor sintoni chirali	1.200.000	Director	2011-2016
2	PNCDI: PN-II-PT-PCCA-2013-4-0734, 206/2014: Kit inovativ în sinteza compușilor chimici optic puri prin combinarea biocatalizei cu procesarea prin reacții tip click	500.000	Responsabil	2014-2016
3	CNCIS, AT, 1/376: Procese enzimaticе enantiomerselective cu aplicații în obținerea antiinflamatoarelor nesteroidice	247.280	Director	2004-2005

Membru în echipă proiecte internațional

Nr. crt.	Program/denumire proiect	Director	Perioada
1	Sistem tehnologic ecologic integrat pentru obținerea biocombustibililor avansați-Parteneriate 2013	Florin Dan IRIMIE	2014-2016
2	Amoniaclaze si amoniac mutaze native și mutante imobilizate pentru obținerea analogilor de alfa- și beta-fenilalanină- Idei 2011	Caba PAIZS	2012-2016
3	Procese bioorganice stereoselective continue de rezolutie cinetica dinamica- Idei 2011	Florin Dan IRIMIE	2011-2016
4	Tehnologie de transesterificare enzimatică destinată obținerii de biocarburanți de generația a 2-a- Parteneriate 2008	Florin Dan IRIMIE	2008-2011
5	Investigarea mecanismului de acțiune al histidin- și fenilalanin-amoniac liazelor- Idei 2008	Caba PAIZS	2008-2011
6	Impactul câmpului electromagnetic antropic asupra ecosistemelor, Contract AMCSIT, X2C37/5	Florin Dan IRIMIE	2006-2008
7	Metodă nouă de separare a compușilor enantiopuri utilizând anticorpi selectivi, Contract CERES 532/2004	Florin Dan IRIMIE	2004-2006
8	Reabilitarea solurilor contaminate cu metale grele prin metode de fitoextractie,Contract CERES 534/2004	Cornelia MAJDIK	2004-2006
9	Metodologie biocatalitică de obținere selectivă a unor sintoni chirali pentru sinteza de compuși cu activitate biologică, Contract Ceres 189/2003	Florin Dan IRIMIE	2003-2005
10	Model experimental bioreactor-extractor pentru obținerea enzimatică a unor compuși anti-sida, Contract Ceres 1990/2003	Florin Dan IRIMIE	2003-2005

11	Biotransformarea substraturilor heterociclice mediată de lipaze, Grant Tip A, CNCSIS	Florin Dan IRIMIE	2003-2005
12	Biotransformări selective ale unor derivați benzofuranici, Grant de tip At, CNCSIS , 18/600/2002	Caba PAIZS	(2002-2003
13	Strategii de sinteză a unor compuși sintetici cu proprietăți similare structurilor naturale. Procese de reducere biocatalizate celular, alternative la procesele conventionale, ANSTI 497/2000	Florin Dan IRIMIE	1999-2000
14	Biotransformări celulare ale compușilor organici, CNCSIS Tip A; A410/2001	Florin Dan IRIMIE	2001-2003

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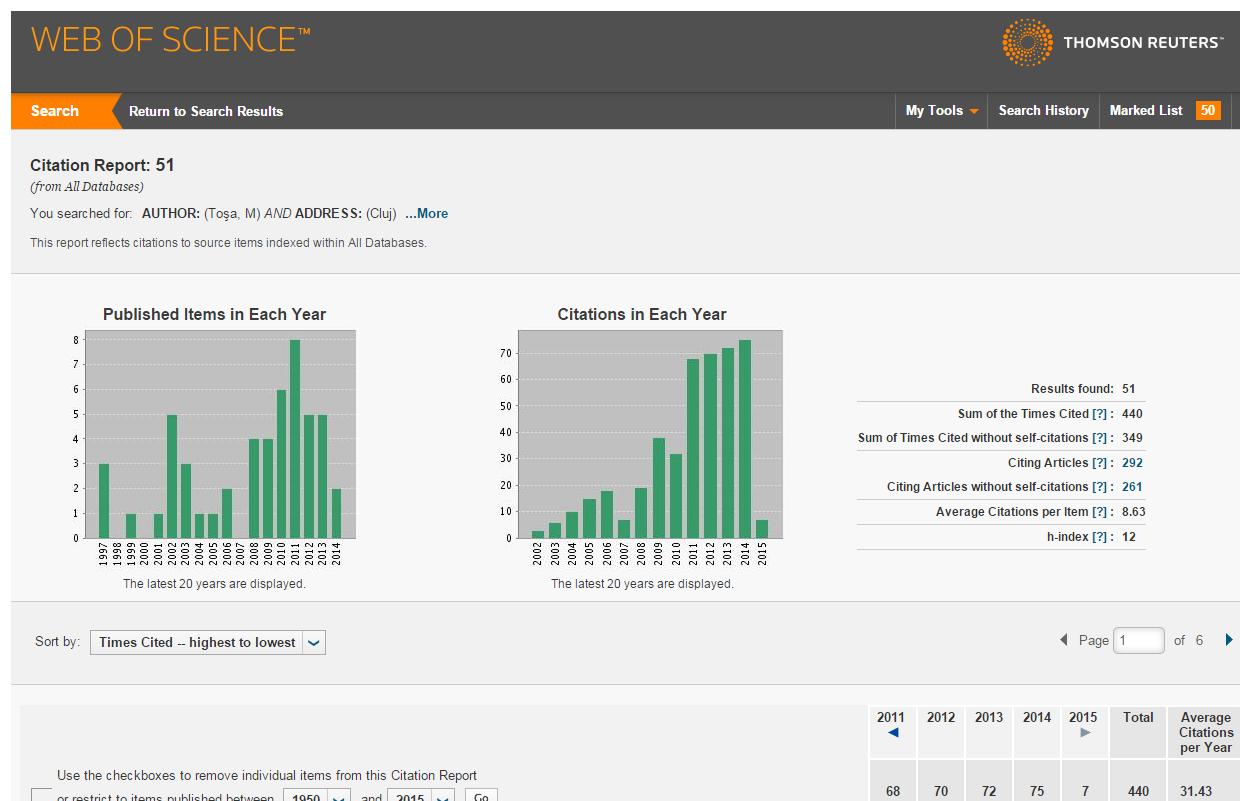
MONICA IOANA TOŞA

RECUNOAŞTEREA ŞI IMPACTUL ACTIVITĂȚII

Activitatea A3 (Citări în reviste ISI, WOS Core Collection)

Număr de citări fără autocitări în conformitate cu baza de date Thomson Reuters
349

Punctaj A3: A3 = 349x0.5 = 174.5 puncte



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