

Lista lucrarilor publicate in reviste cotate ISI**2007**

1. M. Miclau, J. Hejtmanek, R. Retoux, K. Knizek, Z. Jirak, R. Fresard, A. Maignan, S. Hebert, M. Hervieu, and C. Martin, Structural and Magnetic Transitions in $\text{CaMn}_{1-x}\text{W}_x\text{O}_3$, Chem.Mater.19, 4243-4251, 2007 **FI=5.104**
2. M. Miclau, R. Bucur, P. Vlazan, N. Miclau, R. Trusca, I. Grozescu, Hydrothermal synthesis of $\text{Al}_{1-x}\text{Ga}_x\text{PO}_4$ and $\text{Ga}_{1-x}\text{Fe}_x\text{PO}_4$ α -quartz single crystal, Journal of optoelectronics and advanced materials, vol.9, no.9, 2792-2794, 2007 **FI=1.106**
3. C. Lazau, L. Mocanu, I. Miron, P. Sfirloaga, G. Tanasie, C. Tatu, A. Gruia, I. Grozescu, Considerations regarding the use of TiO_2 doped nanoparticles in medicine, Digest Journal of Nanomaterials and Biostructures, Vol.2, No.3, 257-263, 2007 **FI=0.5**
4. M. Stefanescu, O. Stefanescu, M. Stoia, C. Lazau, Thermal decomposition of some metal-organic precursors Fe_2O_3 nanoparticles, Journal of Thermal Analysis and Calorimetry, 88, 27-32,2007 **FI = 1.409**
5. Ž. Vukelić, S. Kalanj Bognar, M.Froesch, L. Bindila, B. Radić, M. Allen, J. Peter Katalinić, A. D. Zamfir, Human gliosarcoma-associated ganglioside composition is complex and highly distinctive as evidenced by high-performance mass spectrometric determination and structural characterization Glycobiology,17,504-515,2007 **FI = 3.66**
6. B. Balen · M. Krsnik-Rasol, · A.D. Zamfir, · I. Zadro, · S. Vakhrushev, · J. Peter-Katalinić N-glycan heterogeneity of cactus glycoproteins induced by tissue culture conditions, J.Biomolec.Techniques,18,150-160,2007 **FI=2.2**
7. D. G. Seidler, J. Peter-Katalinić, A.D. Zamfir, Galactosaminoglycan function and oligosaccharide structure determination, Scient. World J. 19, 233-241, 2007 **FI= 11.0**
8. A. D. Zamfir, Advances in sheathless capillary electrophoresis interfacing electrospray ionization mass spectrometry, J. Chromatogr. A 1159, 2–13, 2007 **FI= 3.5**
9. M.Morman*, A. Zamfir*, D.G.Seidler, H.Kresse, J.Peter-Katalinić *equal contribution, Analysis of Oversulfation in a Dermatan Sulfate Oligosaccharide Fraction from Bovine Aorta by Nanoelectrospray Ionization Quadrupole Time-of-Flight and Fourier-Transform Ion Cyclotron Resonance Mass Spectrometry, J. American. Soc. Mass Spectrom. 18, 179-187,

2007

FI= 3.6

10. A. D. Zamfir, Ž.Vukelić, A. Schneider, E. Sisu, N. Dinca, A. Ingendoh, A novel approach for ganglioside structural analysis based on electrospray multiple stage mass spectrometry, *J.Biomolec.Techniques*, 18, 188–193, 2007 **FI=2.2**
11. I. Shin, A. D. Zamfir, Bin Ye, Protein Carbohydrate Analysis: Gel-Based Staining, Liquid Chromatography, Mass Spectrometry, and Microarray Screening, *Methods in Molecular Biology*, The Humana Press, 9781, 2007 (in press) **FI= 3.1**
12. Fagadar-Cosma, Eugenia; Vasile, Mihaela; Grozescu, Ioan; Porphyrin doped silica materials. Spectroscopic monitoring of the aggregation behavior (in curs de publicare) **FI=2.7**
13. R.I. Stefan-van Staden and L. Holo - Enantioselective, potentiometric membrane electrodes based on cyclodextrines for the determination of L-histidine, *Sens. Actuators B*, 120(2), 2007, pg. 399-402 **FI=2.331**
14. R.I. Stefan-van Staden, B. Lal and L. Holo - Enantioselective, potentiometric membrane electrodes based on C60 fullerenes and its derivatives for the assay of L-histidine, *Talanta*, 71(3), 2007, pg.1434-1437 **FI=2.810**
15. Todinca T., Tănasie C., Pröll T., Căta A., PERJU D.: Intensificarea absorbției CO₂ în soluții de carbonat de potasiu prin utilizarea promotorilor reacției chimice în faza lichidă. I. Evaluarea parametrilor absorbției fizice, acceptată pentru publicare la *Revista de Chimie* in vol.58, nr. 11/2007; **FI=0.287**
16. Tănasie C., Todinca T., Căta A., Gabor L., MOLDOVAN r.: Intensificarea absorbției CO₂ în soluții de carbonat de potasiu prin utilizarea promotorilor reacției chimice în faza lichidă. II. Absorbție cu reacție chimică: efectul promotorilor, acceptată pentru publicare la *Revista de Chimie* in vol. 58, nr. 12/2007; **FI=0.287**
17. M. Gheju, A. Iovia, I. Balcu - "Hexavalent chromium reduction with scrap iron in continuous-flow system. Part 1: Effect of feed solution pH", *Journal of Hazardous Materials*, in press, 2007 **FI=1.855**

2006

18. Z.Vukelic, M.Zarei, J.Peter-Katalinić, A. Zamfir Analysis of human hippocampus gangliosides by fully-automated chip-based nanoelectrospray tandem mass spectrometry *J.Chromatogr. A*. 1130, 238-45, 2006, **FI = 3,096; NC = 4** (in 2006)

19. Ž. Vukelić, S. Kalanj Bognar, M.Froesch, B. Radić, M. Allen, J. Peter Katalinić, A. Zamfir, Human gliosarcoma-associated ganglioside composition is complex and highly distinctive as evidenced by high-performance mass spectrometric determination and structural characterization, *Glycobiology*, (acceptata2006), **FI = 3,512**
20. B. Balen, M. Krsnik-Rasol, A. Zamfir, I. Zadro, S. Vakhrushev, J. Peter-Katalinić N-glycan heterogeneity of cactus glycoproteins induced by tissue culture conditions *Glycoconj. J.* (acceptata, sub tipar, 2006), **FI = 1.981**
21. A. Zamfir, Ž. Vukelić, A. Schneider, E. Sisu, N. Dinca, A. Ingendoh Electro spray high capacity ion trap multiple stage mass spectrometry of gangliosides *Rapid Commun. Mass Spectrom.* (acceptata 2006), **FI= 3,574**
22. D. G. Seidler, J. Peter-Katalinić, A. Zamfir, Galactosaminoglycan function and oligosaccharide structure determination, *Scient. World J.* (acceptata 2006), **FI = 2.214**
23. A. Zamfir, Advances in sheathless capillary electrophoresis interfacing electrospray ionization mass spectrometry, *J. Chromatogr. A* (acceptata 2006), **FI = 3,096**
24. C. Craciunescu, I. Mihalca, V. Budau, Signal modulation by martensitic control of shape memory alloy thin film architectures, *Device Applications of Nonlinear Dynamics* (S. Baglio, A. Bulsara eds.) – Springer Verlag, 2006, pp. 52-65. ISSN 1860-0840 ISBN-10 3-540-33877-2 ISBN-13 978-3-540-33877-2, **FI = 0.205**
25. L. Costea, V. Bercean, V. Badea, I. Țăranu, A. Chiriac - Reactions of 1H-3metil-4-etoxicarbonil-5-benziliden hidrazino-pirazole in nonaqueous media under conditions of undivided and divided-cell electrolysis, *Revista de Chimie* 57(8) pg. 834-837, 2006, **F=0,287**
26. R.I. Stefan-van Staden, R.G. Bokretson, K.I. Ozoemena, J.F. van Staden, H.Y. Aboul-Enein - Enantioselective, potentiometric membrane electrodes based on different cyclodextrines as chiral selectors for the assay of S-flurbiprofen, *Electroanalysis*, 18 (17) (2006) 1718-1721, **F=2,189**

2005

27. M. Miclau, S. Hébert, R. Retoux and C. Martin, Influence of A-site cation size on structural and physical properties in $\text{Ca}_{1-x}\text{Sr}_x\text{Mn}_{0.96}\text{Mo}_{0.04}\text{O}_3$: A comparison of the $x=0.3$ and 0.6 compounds, *Journal of Solid State Chemistry*, Volume 178, Issue 4, 1104-1111, 2005 **FI = 1,725**
28. H. Rumpf, C. M. Crăciunescu, H. Modrow, Kh. Olimov, E. Quandt, M. Wuttig, H. Successive Occurrence of Ferromagnetic and Shape Memory Properties during Crystallization of NiMnGa Freestanding Films, *Journal of Magnetism and Magnetic*

- Materials, Volume 302, Issue 2, July 2006, Pages 421-428, Issn 0304-8853, **FI = 1,031**
29. C.Craciunescu, I.Mihalca, V.Budau, Trimorph actuation based on shape memory alloys, *J.Optoel. and Advanced Mater.*, 7(2) (2005)315, **FI = 1,138**
30. M. Miclau, D. Grebille and C. Martin, Crystal growth of $\text{CaMn}_{1-x}\text{MoxO}_3$ single crystals by the floating-zone technique, *Journal of Crystal Growth*, Volume 285, Issue 4, 661-669 2005. **FI= 1,681**
31. T. Nyari, P. Barvinschi, R. Baies, P. Vlazan, I. Dékány: Experimental and Numerical Results in Hydrothermal Synthesis of CuInS_2 Compound Semiconductor Nanocrystals *Journal of Crystal Growth*, 275 (1-2), 2383-2387 (2005), **FI = 1,681**
32. L.B.Popescu, V.Socoliuc: "Perturbational statistical theories of magnetic fluids", *Journal of Optoelectronics and Advanced Materials* 7(6) (2005) 3075; **FI = 1,138**
33. L.B.Popescu, V.Socoliuc, D.Bica, L.Vekas: "The application of perturbational statistical theories to the investigation of the static magnetization of magnetic fluids", *Journal of Optoelectronics and Advanced Materials* 7(2) (2005) 26; **FI = 1,138**
34. V.Socoliuc, D.Bica: "The influence of the Neel rotation on the magnetic induced dichroism in magnetic fluids", *J.Magn.Magn.Mater.* 289 (2005) 177; **FI = 1,031**
35. L.Vekas, D.Bica, O.Marinica, M.Rasa, V.Socoliuc, F.D.Stoian: "Concentrated magnetic fluids on water and short chain length organic carriers", *J.Magn.Mag.Mat.* 289 (2005) 50; **FI = 1,031**
36. Gh. Fagadar-Cosma, Eugenia Fagadar-Cosma, Taranu I. - Studies about the electrochemical oxidation of triphenylphosphine in the presence of AgNO_3 *Revue Roumaine de Chimie* 50(4) pg. 291-296 2005, **F=0,208**
37. Gh. Fagadar-Cosma, Eugenia Fagadar-Cosma, Taranu I. - Studiul reactiei de oxidare electrochimica a leucobazei verdului malachite, *Rev. de Chimie* 56(11) pg. 1178-1181, 2005 **F=0,287**
38. K. I. Ozoemena, R.I. Stefan, J. F. van Staden and H. Y. Aboul-Enein. - Enantioanalysis of S-perindopril using different cyclodextrin-based potentiometric sensors, *Sensors and Actuators B*, 105 (2) (2005) 425 –429, **F=2,646**
39. R. M. Nejem, R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein. - Enantioanalysis of L-hydroxyglutaric acid in urine samples using enantioselective, potentiometric membrane electrodes based on maltodextrins, *Talanta* 65 (2) (2005) 437 – 440, **F=2,391**
40. R.I. Stefan, R. M. Nejem, J.F. van Staden and H.Y. Aboul-Enein. - Determination of D-2-hydroxyglutaric acid in urine samples using enantioselective, potentiometric membrane

electrodes based on antibiotics , Sensors and Actuators B, 106 (2) (2005) 791 - 795.

F=2,646

41. J F van Staden, N W Beyene, R I Stefan and H Y Aboul-Enein - Sequential Injection Spectrophotometric Determination of Ritodrine Hydrochloride Using 4 - Aminoantipyrine, Talanta., 68 (2005) 401 – 405. **F=2,391**

2004

42. P.C.Fannin, C.N.Marin, V.Socoliuc, G.M. Istratucă, T.Giannitsis: "Investigation of particle agglomeration in un-polarised magnetic fluids by means of magnetic resonance measurements", J.Magn.Magn.Mater. 284 (2004) 104; **FI = 1,031**
43. Alexander A. Rat'ko , Raluca-Ioana Stefan , Jacobus (Koos) F. van Staden and Hassan Y. Aboul-Enein. - Enantioselective, potentiometric membrane electrode based on vancomycin: Its application for the determination of D-pipecolic acid, Sensors and Actuators B: Chemical 99 (2-3) (2004) 539 - 543. **F=2,646**
44. Alexander A. Rat'ko, Raluca-Ioana Stefan, Jacobus (Koos) F. van Staden and Hassan Y. Aboul-Enein - Determination of L-carnitine using enantioselective, potentiometric membrane electrodes based on macrocyclic antibiotics. , Talanta 63 (3) (2004) 515 - 519. **F=2,391**
45. I.Tăranu, E.Făgădar-Cosma, G.Făgădar-Cosma - About n-Propanol Oxidation on NiOOH Electrode Revue Roumaine de Chimie 49(5) pg. 475-485 2004, **F=0,208**
46. C.Muntean, G.Mărginean, A.Iovi, P.Negrea – Studii asupra comportamentului termic al fosfatului de cobalt amoniu, Revista de Chimie 55, pg. 81, 2004 **F=0,287**
47. K I Ozoemena, R I Stefan, J F van Staden and H Y Aboul-Enein. - Utilization of maltodextrin based enantioselective, potentiometric membrane electrodes for the enantioselective assay of S-perindopril. , Talanta 62 (4) (2004) 681 - 685. **F=2,391**
48. Negussie W. Beyene and Jacobus F. van Staden - Sequential injection spectrophotometric determination of phenylephrine hydrochloride in pharmaceutical preparations, Talanta 63 (3) (2004) 599 - 604. **F=2,391**
49. R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein. - Determination of (+)-3,3-,5-triiodo-L-thyronine (L-T3) from serum using a sequential injection analysis/immunosensor system. , Journal of Immunoassay and Immunochemistry, 25 (2) (2004) 183 - 189. **F=0,561**
50. R.I. Stefan, R.M. Nejem, J.F. van Staden and H.Y. Aboul-Enein. - New amperometric

- biosensor based on diamond paste for the assay of L- and D-pipecolic acids in serum samples. , *Preparative Biochemistry and Biotechnology*, 34 (2) (2004) 135-143. **F=0,608**
51. K.I. Ozoemena, R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein. - Enantioselective, potentiometric membrane electrode based on vancomycin as chiral selector, for the assay of S-perindopril. , *Instrumentation Science and Technology*, 32 (4) (2004) 371 - 378. **F=0,663**
52. J F van Staden, M I Karayannis and J Stratis (Guest Editors) - 3rd International Conference on Instrumental Methods of Analysis. Modern Trends and Applications. 23 - 27 September 2003, Thessaloniki, Greece, *Analytical and Bioanalytical Chemistry* 379 (5-6) (2004) 750 - 753. **F=2,695**
53. N.W. Beyene, J.F. van Staden and R.I. Stefan. - Determination of fenoterol hydrobromide by sequential injection analysis (SIA) with spectrophotometric detection, *Anal.Chim.Acta* 521 (2) (2004) 223-229. **F=2,760**
54. R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein. - Simultaneous determination of L-thyroxine (L-T4), D-thyroxine (D-T4) and L-triiodothyronine (L-T3) using a sensors/sequential injection analysis system, *Talanta* 64 (1) (2004) 151 - 155. **F=2,391**
55. A.A. Rat=ko, R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein. - Macrocyclic antibiotics as chiral selectors in the design of enantioselective, potentiometric membrane electrodes for the assay of L- and D-enantiomers of methotrexate, *Talanta* 64 (1) (2004) 145 – 150, **F=2,391**
56. Z.O. Tesfaldet, J.F. van Staden and R.I. Stefan. - Spectrophotometric determination of magnesium in pharmaceutical preparations by cost-effective sequential injection analysis, *Talanta* 64 (4) (2004) 981 – 988, **F=2,391**
57. J (Koos) F van Staden and J (José) L Burguera (Guest Editors). - 12th International Conference on Flow Injection Analysis including related techniques (ICFIA XII/JAFIA), 7- 13 December 2003, Mérida, Venezuela. , *Talanta* 64 (5) (2004) 1067 - 1070. **F=2,391**
58. J F van Staden. - An analytical chemist of stature and pioneer in flow analysis. Gary Dale Christian, *Talanta* (64) (5) (2004) 1071 - 1075. **F=2,391**
59. J F van Staden and R I Stefan. - Chemical speciation by sequential injection analysis. An overview, *Talanta* (64) (5) (2004) 1109 - 1113. **F=2,391**
60. Zeriet O.Tesfaldet, Jacobus F. van Staden and Raluca I. Stefan. - Sequential injection spectrophotometric determination of iron (II) in multi-vitamin preparations using 1,10-

- phenanthroline as complexing agent. , Talanta (64) (5) (2004) 1189 - 1195. **F=2,391**
61. J.F. van Staden, L.V. Mulaudzi and R.I. Stefan. - Spectrophotometric determination of bromate by sequential injection analysis. , Talanta (64) (5) (2004) 1196 - 1202. **F=2,391**
62. J F van Staden and R E Taljaard. - Determination of Lead(II), Copper(II), Zinc(II), Cobalt(II), Cadmium(II), Iron(III) and Mercury(II) Using Sequential Injection Extractions, Talanta (64) (5) (2004) 1203 - 1212. **F=2,391**
63. Z.O. Tesfaldet, J.F. van Staden and R.I. Stefan - Sequential injection spectrophotometric determination of trace amounts of iodide by its catalytic effect on the 4,4 - methylenebis (N,N-dimethylaniline) chloramine-T reaction, Talanta 64 (5) (2004) 1213 - 1219. **F=2,391**
64. R.I. Stefan, R.M. Nejem, J.F. van Staden and H.Y. Aboul-Enein. - Enantioselective, potentiometric membrane electrodes for the determination of L-pipecolic acid in serum. , Electroanalysis, 16 (20) (2004) 1730 - 1733. **F=2,189**
65. A.A. Rat'ko, R.I. Stefan, J.F. van Staden and H.Y. Aboul-Enein. - Macrocyclic antibiotics as chiral selectors in the design of enantioselective, potentiometric membrane electrodes. , Instrumentation Science and Technology, 32 (6) (2004) 601 - 610. **F=0,663**
66. R.I. Stefan, J. F. van Staden, C. Bala and H. Y. Aboul-Enein. - On-line assay of the S-enantiomer of enalapril, ramipril and pentopril using a sequential injection analysis /amperometric biosensor system., J. Pharm. Biomed. Anal. 36 (2004) 601 - 610. **F=1,889**

2003

67. A.Ercuța, I.Mihalca, C.Ionașcu, The Villari effect in FeCrB amorphous alloys, Sensors and Actuators, A 106 (2003), p.61-64, **FI = 1,363**
68. I.Mihalca A.Ercuța, Structural relaxation in FeCrPMnC amorphous alloys, J.Optoel. Adv.Mater. vol.5(1), (2003) p.245-250, **FI=1,138**
69. P.C.Fannin, C.N.Marin, V.Socoliuc, G.M.Istratucă, T.Giannitsis : "The effect of magnetic field induced instability on ferrimagnetic resonance in magnetic liquids", J. Phys. D 36 (2003) 1227; **FI = 1,957**
70. C.Enache, R.Turcin, C.Savii, M.Popovici, R.M.Jurca, V.Socoliuc: "Manganese activated (2-x) ZnO□xCdO□1.1SiO₂ phosphors obtained by solid state synthesis", Journal of Optoelectronics and Advanced Materials 5(1) (2003) 305; **FI=1,138**
71. C.N.Marin, I.Mălăescu, V.Socoliuc: "Study of the interparticle magnetic interaction effect on magnetic resonance line in ferrofluids", Journal of Optoelectronics and Advanced

- Materials 5(1) (2003) 227; **FI = 1,138**
72. E.Făgădar-Cosma, I.Tăranu, G.Făgădar-Cosma - Oxidation of Sodium Ethylxanthate Revue Roumaine de Chimie 48(2) pg. 131-136 2003 **F=0,208**
73. Gabor L., Şuta M., Tănasie C. - Studiul procesului de absorbție a CO₂ în soluție de K₂CO₃ cu promotori, Revista de Chimie, vol. 54, nr. 11, ISSN 0034-7752, pg. 916 – 918, 2003, **F=0,287**
74. J F van Staden, L V Mulaudzi and R I Stefan - On-line speciation of bromine and bromide by using sequential injection analysis with spectrophotometric detection, Analytical and Bioanalytical Chemistry 375 (8) (2003) 1074 - 1082. **F=2,695**
75. J F van Staden, L V Mulaudzi and R I Stefan. - Speciation of Mn(II) and Mn(VII) by on-line spectrophotometric sequential injection analysis, Anal. Chim. Acta 499 (1-2) (2003) 129 - 137. **F=2,760**
76. P J Fletcher and J F van Staden - Determination of carbonate and bicarbonate by titration using sequential injection analysis (SIA), Anal. Chim. Acta 485 (2) (2003) 187-194. **F=2,760**
77. P J Fletcher and J F van Staden. - Determination of ethanol in distilled liquors sequential injection analysis (SIA) with spectrophotometric detection. , Anal. Chim. Acta 499 (1-2) (2003) 123 - 128. **F=2,760**
78. R I Stefan, J F van Staden and H Y Aboul-Enein - Estimation of uncertainties for the application of electrochemical sensors in clinical analysis, Accreditation and Quality Assurance 8 (2003) 86 - 89. **F=0,519**
79. R I Stefan, R G Bokretsiion, J F van Staden and H Y Aboul-Enein. - Immunosensor for the determination of azidothymidine. Its utilization as detector in a sequential injection analysis system, Talanta 59 (5) (2003) 883 - 887. **F=2,391**
80. R I Stefan, R G Bokretsiion, J F van Staden and H Y Aboul-Enein. - Biosensors for the determination of ortho-acetyl-L-carnitine. Their utilization as detectors in a sequential injection analysis system. , Preparative Biochemistry and Biotechnology 33 (3) (2003) 163 - 172. **F=0,608**
81. R I Stefan, RG Bokretsiion, J F van Staden and H Y Aboul-Enein - Determination of L-and D-enantiomers of methotrexate using amperometric biosensors, Talanta 60(5), 2003, 983-990, **F=2,391**
82. R I Stefan, R G Bokretsiion, J F van Staden and H Y Aboul-Enein. - Determination of L- and

- D-enantiomers of carnitine using amperometric biosensors. , Anal Lett. 36 (6) (2003) 1091 - 1102. **F=1,036**
83. R I Stefan, S G Bairu and J F van Staden. - Diamond paste based electrodes for the determination of Cr(III) in pharmaceutical compounds, Analytical and Bioanalytical Chemistry 376 (6) (2003) 844 - 847. **F=2,695**
84. R I Stefan, S G Bairu and J F van Staden. - Diamond paste based electrodes for the determination of Cr(III) in pharmaceutical compounds, Analytical and Bioanalytical Chemistry 376 (6) (2003) 844 - 847. **F=2,695**
85. R I Stefan, R G Bokretsiion, J F van Staden and H Y Aboul-Enein - Simultaneous determination of creatine and creatinine using amperometric biosensors, Talanta 60 (6) (2003) 1223 - 1228. **F=2,391**
86. R I Stefan, R G Bokretsiion, J F van Staden and H Y Aboul-Enein-Simultaneous determination of L - and D - carnitine using a sequential injection analysis/amperometric biosensors system, J. of Pharm. and Biomed. Analysis 33 (2) (2003) 323-328. **F=1,889**
87. R I Stefan, R M Nejem, J F van Staden and H Y Aboul-Enein - Biosensors for the enantioselective analysis of pipercolic acid, Sensors and Actuators B 94 (3) (2003) 271-275. **F=2,646**
88. R I Stefan, S G Bairu and J F van Staden - Determination of Fe(III) in water samples using diamond paste based electrodes, Instrumental Sci. and Technology 31(4) (2003) 411-416. **=0,663**
89. R I Stefan, RG Bokretsiion, J F van Staden and H Y Aboul-Enein. - Determination of L-and D-enantiomers of methotrexate using a sequential injection/amperometric biosensors system, Biosensors and Bioelectronics 19 (3) (2003) 261 - 267. **F=3,463**
90. R I Stefan, S G Bairu and J F van Staden. - Diamond paste based electrodes for the determination of iodide in vitamins and table salt, Anal. Lett., 36 (8) (2003) 1493 - 1500. **F=1,036**
91. RI Stefan, I Stefan, JF van Staden - Immunosensors in clinical diagnostics, Clinical Laboratory International 27(2), pg. 16-19, 2003, **F=1,466**
92. R. Radovet, T.Todinca, R.Pode, A.Iovi, G.Burtică – Retention of Cu²⁺ and Zn²⁺ on natural zeolites assesment of kinetic parameters by numerical simulation, Revue Roumaine de Chimie 48(3) pg. 171, 2003 **F=0,208**

93. S G Bairu, R I Stefan and J F van Staden. - Polycrystalline diamond based electrochemical sensors and their applications in inorganic and organic analysis. , Critical Reviews in Anal. Chem., 33 (2) (2003) 145 - 153. **F=1,623**

2002

94. V.Socoliuc, D.Bica: "The influence of the degree of colloidal stabilization and concentration on the magnetic particle aggregation in ferrofluids", J.Magn.Magn.Mater. 252 (2002) 26; **FI = 1,031**
95. A.Ercuța, I.Mihalca, H.Chiriac, Magnetomechanical effect in circular field in FeSiB, J.Optoel. Adv.Mater. vol.4(2), (2002) p.361-365, **FI = 1,138**
96. A.Ercuța, I.Mihalca, Magnetomechanical damping and magnetoelastic hysteresis in permalloy, J.Phys.D: Appl. Phys, 35(2002), p.2902-2908, **FI= 1.366**
97. A.Ercuța, I.Mihalca, Z.Schlett, Magnetoelastic behaviour of NiFe films. The Procopiu effect, J.Appl. Phys 91(12), (2002) p.9969 – 9973, **FI=2.281**
98. Z.Schlett, F.Claici, I.Mihalca, M.Lungu, A new static separator for metallic particles using eddy currents, Minerals Engineering 15(2002) 111-113, **FI = 0,492**
99. A.Ercuța, I.Mihalca, Magnetomechanical Damping in Magnetized Ni, Defect and Diffusion Forum Vol.203-205 (2002) p.81-84, **FI=0.343**
100. I.Mihalca, A.Ercuta, I.Zaharia, G.Filoti, V.Kuncser, Crystallization kinetic of amorphous Fe-Cr-B ribbons, J.Optoel. and Adv. Mater., 3 (10) (2001)141-144, **FI = 1,138**
101. A.C. Nechifor, B. Șerban, E. Ruse, G.Nechifor Calixarene transportori în membrane lichide III. Transportul cationilor Pb²⁺ prin membrane lichide cu tio-calix [4] arene, Revista de Chimie, 2002, 53(1), pg. 20-26, **F=0,287**
102. A.C. Nechifor, E. Ruse, B. Șerban, G.Nechifor - Materiale membranare II. Electrodializa cu membrane din polietercetone modificate chimic, Rev. de Chimie, 53(5), 2002, pg. 426-436, **F=0,287**
103. C. Csunderlik, V. Bercean, F. Peter, V. Badea - Facile bromination of the benzene ring during the cyclisation of the 1H-3-methyl-4-ethoxycarbonyl-5-arylidenehydrazonopyrazoles to the 3-substituted-aryl-1H-6-methyl-7-ethoxycarbonyl-pyrazolo[3,2-c]-s-triazoles, *Arkivoc*, 133-141, 2002, **F=0,694**
104. F. Peter, G. Preda - Characterisation of pancreatic lipase substrate specificity by a kinetic method, Journal of Molecular Catalysis B: Enzymatic, 19-20, 2002, pg. 467-472 **F=2,149**

105. J F van Staden, M G Mashamba and R I Stefan. - On-line determination of hydrochloric acid in process effluent streams by potentiometric sequential injection acid-base titration, S. Afr. J. Chem., 55 (2002) 43 - 55. **F=0,708**
106. C Billing, D R Groot and J F van Staden. - Determination of arsenic in gold samples using matrix exchange differential pulse stripping voltammetry, Anal. Chim. Acta. 453 (2) (2002) 201 -208. **F=2,760**
107. E A G Zaggato, J F van Staden, N Maniasso, G D Marshall and R I Stefan. - Information Essential for Characterizing a Flow-Based Analytical System, Pure and Applied Chemistry 74 (4) (2002) 585 – 592, **F=1,679**
108. J F van Staden. - Solving the problems of sequential injection systems as process analyzers, Anal. Chim. Acta, 467 (1-2) (2002) 61 -73. **F=2,760**
109. J F van Staden (Guest Editor). - 7th International Symposium on Kinetics in Analytical Chemistry, Bucharest, Romania, 26 - 29 September 2001, Analytical and Bioanalytical Chemistry 374 (1) (2002) 1 - 2. **F=2,695**
110. J F van Staden and R I Stefan. - New horizons in sequential injection kinetic analysis. , Analytical and Bioanalytical Chemistry 374 (1) (2002) 3 - 12. **F=2,695**
111. J F van Staden, M G Mashamba and R I Stefan. - An on-line potentiometric sequential injection titration process analyser for the determination of acetic acid, Analytical and Bioanalytical Chemistry 374 (1) (2002) 141 - 144. **F=2,695**
112. J F van Staden, M G Mashamba and R I Stefan - On-line dilution and determination of the amount of concentrated hydrochloric acid in the final products from a hydrochloric acid production plant using a sequential injection titration system, Talanta 58 (6) (2002) 1089 - 1094. **F=2,391**
113. J F van Staden and M Tsanwani - Determination of paracetamol in pharmaceutical formulations using a sequential injection system, Talanta 58 (6) (2002) 1095 - 1101. **F=2,391**
114. J F van Staden and M Tsanwani - Determination of boron as boric acid in eye lotions using a sequential injection system, Talanta 58 (6) (2002) 1103 - 1108. **F=2,391**
115. J F van Staden, M G Mashamba and R I Stefan. - Determination of the total acidity in soft drinks using potentiometric sequential injection titration analysis, Talanta 58 (6) (2002) 1109 - 1114. **F=2,391**

116. J F van Staden and S I Tlowana - On-line separation, simultaneous dilution and spectrophotometric determination of zinc in fertilizers with a sequential injection system and xylenol orange as complexing agent, *Talanta* 58 (6) (2002) 1115 - 1122. **F=2,391**
117. K Danzer, J F van Staden and D T Burns - Concepts and Applications of the Term Dimensionality in Analytical Chemistry, *Pure and Appl. Chem.* 74 (8) (2002) 1479 -1487. **F=1,679**
118. L V Mulaudzi, J F van Staden and R I Stefan. - On-line speciation of iron(II) and iron(III) using a spectrophotometric sequential injection system, *Anal. Chim. Acta*, 467 (1-2) (2002) 35 -49. **F=2,760**
119. L V Mulaudzi, J F van Staden and R I Stefan. - Speciation of chromium(III) and chromium(VI) by use of a spectrophotometric sequential injection system, *Anal. Chim. Acta*, 467 (1-2) (2002) 51 - 60. **F=2,760**
120. R I Stefan, J F van Staden, L V Mulaudzi and H Y Aboul-Enein. - On-line simultaneous determination of S- and R-perindopril using amperometric biosensors as detectors in flow systems, *Anal. Chim. Acta*, 467 (1-2) (2002) 189 – 195, **F=2,760**
121. R I Stefan, M A Makhafola and J F van Staden - Bionzymatic amperometric sensor for proteins assay in milk, *Preparative Biochemistry and Biotechnology*, 32 (2) (2002) 135-142. **F=0,608**
122. R I Stefan, J F van Staden and H Y Aboul-Enein. - On-line monitoring of R-Captopril using an amperometric biosensor/sequential injection analysis system, *Instrumentation Science and Technology*, 30 (3) (2002) 243-250. **F=0,663**