

1. I. Untea, C. Orbeci, E. Tudorache, V. Neagu, D. Turtoi - "The evaluation of characteristic parameters at the Cr(VI) retention of aqueous solutions by ion exchange in dynamic conditions on strong base anions, *Revista de Chimie*, 55(6), p.439-443, 2004, ISSN: 0034-7752, WOS: 000222753600015
2. D. Turtoi, G. Zăinescu, El. Tudorache, C. Orbeci, I. Untea, M. Belcu - "Chromium (III) separation from tannery wastewaters by partial freezing", *Journal of the Society of Leather Technologists & Chemists*, 88(4), p.150-153, 2004, ISSN: 0144-0322, WOS: 000223552500003
3. Violeta Neagu, I. Untea, Elena Tudorache, Cristina Orbeci - "Sorption equilibrium of Cr(VI) ions by strong base anion exchangers with pyridine structures", *Journal of Applied Polymer Science*, 93(4), p.1957-1963, 2004, ISSN: 0021-8995, WOS: 000222481500061
4. V. Neagu, I. Untea, E. Tudorache, C. Orbeci –, „Etude thermodynamique concernant l'adsorption du phenol des solutions aqueuses sur copolymères styrene-divinylbenzene”, *Revue Roumaine de Chimie*, 52(4), p.431-435, 2007, ISSN: 0035-3930, WOS: 000250567300018
5. Cristina Orbeci, Ion Untea, Georgios Kopsiaftis – „The influence of inorganic species on oxidative degradation of 4-chlorophenol by photo-Fenton type process”, *Revista de Chimie* 59(9), p.952-955, 2008, ISSN: 0034-7752, WOS: 000260547200002
6. Cristina Orbeci, Ion Untea, Madelene Dancila, Daniela Simina Stefan – „Kinetics considerations concerning the oxidative degradation by photo-Fenton process of some antibiotics”, *Environmental Engineering and Management Journal*, 9(1), 1-5, 2010, ISSN: 1582-9596, WOS: 000275701800001
7. Cristina Orbeci, Gheorghe Nechifor, Ion Untea, - “Photo-catalytic oxidation of 4-chlorophenol using TiO<sub>2</sub>-functionalized membranes”, *CAS 2011 PROCEEDINGS Vol. 1*, p.23-26, ISSN: 1545-827X, ISBN: 978-1-61284-171-7, IEEE catalog Number: CFP11CAS-PRT, WOS: 000320322000004
8. Cristina Orbeci, Ion Untea, Rodica Stanescu, Adina Elena Segneanu, Mihaela Emanuela Craciun - A new photo-Fenton procedure applied in oxidative degradation of organic compounds from wastewater, *Environmental Engineering and Management Journal*, 11 (1), p.141-146, 2012, ISSN: 1582-9596, WOS: 000301546400019
9. Cristina Orbeci, Gheorghe Nechifor, Ion Untea, Photocatalytic membrane system: obtaining procedure and environmental application, *CAS Proceedings 2012*, vol. 2, p.317-320, IEEE Catalog number CFP12CAS-PRT, ISBN 978-1-4673-0736-9, ISSN 1545-827X, WOS: 000314223700063

10. Aurelia Cristina Nechifor, Lucian Dănuț Ghindeanu, Cristina Orbeci, Octavian Dorca, Eugenia Eftimie Totu, Magnetite-polyethyleneglycol-cyanuric chloride reactive nanoparticles, Revista Română de Materiale/Romanian Journal of Materials, 2013, 43 (3), p.285-292, ISSN: 1583-3186, WOS:000324848100007
11. Mihaela Pascu (Neagu), Daniela-Elena Pascu, Gina Alina Traistaru, A. A. Bunaciu, Cristina Orbeci, Aurelia Cristina Nechifor, Kinetic Studies of Some Biological Active Extracts with Antioxidant Properties, Revista de Chimie, 64(8), 2013, p.785-790, ISSN 0034-7752, WOS: 000330329400001
12. Octavian Dorca, Piotr Szczepanski, Veronica Ionela Panait, Szidonia-Katalin Tanczos, Andreea Raducu, Cristina Orbeci, Transport and Separation of Zn(II)/Mn(II) in a Multimembrane Hybrid System (MHS), Revista de Chimie, 64(9), 2013, p.946-950, ISSN: 0034-7752, WOS: 000326855900005
13. Cristiana Olteanu, Piotr Szczepanski, Cristina Orbeci, Carmen Georgiana Lica, Loreta Costache, Ioana Diaconu, Study of the Transport of Chromium, Manganese and Zinc through Bulk Liquid Membrane Using D2EHPA and Cyanex 301 as a Carrier, Revista de Chimie, 64(9), 2013, p.925-930, ISSN 0034-7752, WOS: 000326855900001
14. Ramona Balint, Cristina Orbeci, Gheorghe Nechifor, Marinela Plesca, Franco Ajmone-Marsan, Effect of redox conditions on the crystallinity of Fe oxides in soil, Revista de Chimie, 64 (11), 2013, pp. 1218-1223, ISSN 0034-7752, WOS: 000328441600003
15. C. Orbeci, M. Totu, S. K. Tanczos, E. Vasile, A. Dinu, A. C. Nechifor, Preparation and properties of a photocatalyst with TiO<sub>2</sub> nanoparticles, Optoelectronics and Advanced Materials–Rapid Communications, 7(11-12), 2013, p. 822-827, ISSN 1842-6573, WOS: 000328253100003
16. Cristina Orbeci, Veronica Panait, Lacramiora Naftanaila, Octavian Dorca, Szidonia-Katalin Tanczos, Alexandra Raluca Miron, The study of protein recovery using molecular flotation and ultrafiltration, Revista de Chimie 64(12), 2013, p.1335-1339, ISSN 0034-7752, WOS: 000330914400004
17. Loreta Nicoleta Costache, Piotr Szczepanski, Cristiana Olteanu, Carmen Georgiana Lica, Sofia Teodorescu, Cristina Orbeci, Bulk Liquid Membrane Separation of Different Cations Using D2EHPA and Cyanex 302 as Carriers, Revista de Chimie, 65(1), 2014, p. 26-32, ISSN 0034-7752, WOS: 000334150300005

18. Mircea Segarceanu, Daniela Elena Pascu, Gina Alina Traistaru, Mihaela Pascu (Neagu), Sofia Teodorescu, Cristina Orbeci, Optimization of Membrane Processes with Polysulfone/Polyaniline Composite Membranes, *Revista de Chimie*, 65(1), 2014, p. 8-14, ISSN 0034-7752, WOS: 000334150300002
19. Orbeci C., Untea I., Nechifor G., Segneanu A.E., Craciun M.E., Effect of a modified photo-Fenton procedure on the oxidative degradation of antibiotics in aqueous solutions, *Separation and Purification Technology* 122, 2014, p. 290-296, ISSN 1383-5866, WOS: 000331422800038
20. Cristina Orbeci, Gheorghe Nechifor, Rodica Stănescu, Removing toxic compounds from wastewater, *Environmental Engineering and Management Journal*, 13 (9), 2014, pp. 2153-2158, ISSN: 1582-9596, WOS: 000347161400004
21. Raluca Isopescu, Mihaela Mihai, Cristina Orbeci, Dumitru Turtoi, Calcium Carbonate Precipitation through Carbon Dioxide Chemisorption from Flue Gas into Lime Suspension, *Revista de Chimie* 65 (12), 2014, pp. 1490-1494, ISSN: 0034-7752, WOS: 000345946400019
22. Nechifor Aurelia Cristina, Abbas Abdul Kadhim Klaif Rikabi, Daniela Dumitra Clej, Szidonia Katalin Tanczos, Corneliu Trisca-Rusu, Cristina Orbeci, Synthesis of TiO<sub>2</sub>-Fe<sub>3</sub>O<sub>4</sub> composite nanoparticles for ampicillin and penicillin G photo-degradation, *Revista Română de Matateriale* 45 (1), 2015, pp.80-90, WOS: 000352755800011
23. Orbeci C., Pascu L. F., Modrogan C., Degradation of Organic Compounds from Industrial Pharmaceutical Effluent Through Advanced Oxidation Processes, *Revista de Chimie* 66 (4), 2015, p. 482-486, WOS: 000354914500009
24. Lucian Constantin, Ines Nitoi, Ionut Cristea, Petruta Oancea, Cristina Orbeci, Aurelia Cristina Nechifor, Degradation of Triclosan by TiO<sub>2</sub>-UV Irradiation in Aqueous Solutions, *Revista de Chimie* 66 (5), 2015, p. 597-600, WOS:000355126000001
25. Abbas Abdul Kadhim Klaif Rikabi, Adriana Cuciureanu, Mariana Chelu, Alexandra Raluca Miron, Cristina Orbeci, Alexandru George Popa, Mihaela Emanuela Craciun, Proteins Ultrafiltration using Polysulfone-polyaniline and Polysulfone-magnetite Nanoparticles Composite Membranes, *Revista de Chimie* 66 (8), 2015, P.1093-1099, WOS:000361124600003
26. Alina Melinescu, Cristina Rizea-Orbeci, Maria Preda – Immobilization of lead ions in solutions by precipitation with calcium hydroxyapatite, *Romanian Journal of Materials* 40 (3), p.237-241, 2010, ISSN: 1583-3186, WOS:000282120900007

27. Cristina Orbeci, Mircea Ștefan, Annette Madelene Dăncilă, Mihai Silviu Tudosie, Removal of Antibiotics from Wastewater Using Photocatalytic Membranes, Revista de chimie, 67 (9), 2016, p. 1666-166, ISSN: 0034-7752, WOS:000385266600003

28. Cristina Orbeci, Cristina Modrojan, Annette Madelene Dăncilă, Degradation of pharmaceutical effluents by photo-assisted techniques, Revista de Chimie, 67 (1), p. 166-170, 2016, ISSN: 0034-7752, WOS:000369524300037

29. Cristina Orbeci, Rodica Stănescu, Viorica Pârvulescu, Daniela Negoescu, "Synthesis, Characterization and Functionalisation of MCM-41 For Removal of Organic Compounds from Wastewaters", Environmental Engineering and Management Journal, 16 (3), p. 553-560 2017, ISSN: 1582-9596, WOS:000403508600006

30. Orbeci C., Parvulescu O.C., Acceleanu E., Dobre T., Effects of Process Factors on Carbon Dioxide Reforming of Methane over Ni/SBA-15 Catalyst, Revista de Chimie, 68 (10), p. 2325-2328, ISSN: 0034-7752, WOS:000416750000023

31.I. Untea, Elena Tudorache, Violeta Neagu, Cristina Orbeci - "Aspects cinétiques de l'échange ionique dans les systèmes: anionites basiques pyridiniques forts-solutions aqueuses de Cr(VI). L'influence de la nature du substituant alkyle et de l'anion d'échange" - Buletinul Științific al Universitatii "Politehnica", Chem. Bull "Politehnica" Univ Timisoara, 48 (62), 1-2, 90-95, 2003

32. C. Orbeci – „Thermodynamic and kinetic aspects concerning of Cr (VI) retention from aqueous solutions by strong base anion exchangers with pyridine structures”, Buletinul Științific al UPB, 1 (67), 2005

33. I. Untea, C. Orbeci, E. Tudorache, V. Neagu -, „Cr (VI) retention capacity and selectivity of some strong and weak base anion exchangers”, Environmental Engineering and Management Journal, 3(3), p.221-230, 2004, ISSN: 1582-9596

34. I. Untea, C. Orbeci, E. Tudorache - „Oxidative degradation of 4-chlorophenol from aqueous solution by Photo-Fenton advanced oxidation process” - Environmental Engineering and Management Journal, 5(4), p.661-674, 2006, ISSN: 1582-9596