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Vis 1. **e-Learning today**, A.M. Joșceanu, A.M. Dumitrescu, T.D. Danciu, R.D. Isopescu, P. Postelnicescu, V. Pleșu, C. Ștefan, *Chemical Engineering Transactions*, **21**, 2010, 1057 – 1062, ISBN 978-88-95608-05-1, ISSN 1974-9791, WOS: 000286978600177, DOI: 10.3303/CET1021177, 13th Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction (PRES), Prague, Czech Republic, aug. 28 – sep. 01, 2010, Edited by: J.J. Klemes, H.L. Lam, P.S. Vărbanov.

Vis 2. **e-Teaching today**, A.M. Joșceanu, A.M. Dumitrescu, R.D. Isopescu, T.D. Danciu, P. Postelnicescu, V. Pleșu, *Chemical Engineering Transactions*, **25**, 2011, 465 – 470, ISBN: 978-88-95608-16-7, ISSN: 1974-9791, WOS: 000298027000078, DOI: 10.3303/CET1125078, 14th International Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction (PRES), Florence, Italy, may 08 – 11, 2011, Edited by: J.J. Klemes, P.S. Vărbanov, H.L. Lam.

Vis 3. **How does e-Chemistry work?**, P. Iancu, M.C. Stroescu, A.M. Joșceanu, T.D. Danciu, O.C. Pârvulescu, C.A. Boscornea, L. Alexa, *Chemical Engineering Transactions*, **29**, 1075 – 1080, 2012, ISBN 978-88-95608-20-4, ISSN 1974-9791, WOS: 000319510300179, DOI: 10.3303/CET1229180, 15th International Conference on Process Integration, Modelling and Optimisation for Energy Saving and Pollution Reduction (PRES), Prague, Czech Republic, aug. 25 – 29, 2012, Edited by: P.S. Vărbanov, H.L. Lam, J.J. Klemes, et al.

Vi – Volumele unor manifestări științifice internaționale recunoscute, organizate în țară și străinătate;

Vi 1. **Algorithms for Separation Units Calculus of the Heterogeneous Systems. III. Basics and Mathematical Model for Centrifugal Sedimentation Process**, T.D. Danciu, E. Danciu, *Papers of Romanian International Conference on Chemistry and Chemical Engineering (RICCCE)*, 12^{ve} edition, 2001, 281 – 286.

Vi 2. **Algorithms for Separation Units Calculus of the Heterogeneous Systems. IV. Dimensioning and Simulation of Centrifugal Decanters and Centrifugal Dust Removers (Cyclones)**, T.D. Danciu, E. Danciu, *Papers of Romanian International Conference on Chemistry and Chemical Engineering (RICCCE)*, 12^{ve} edition, 2001, 287 – 296.

Vi 3. **Modelling of Condensation in a Vertical Tubular Condenser**, T.D. Danciu, G. Dogărescu, E. Danciu, *Papers of Romanian International Conference on Chemistry and Chemical Engineering (RICCCE)*, 12^{ve} edition, 2001, 297 – 307.

Vi 4. **Implementation and Development of an e-Learning System for Chemical Engineering Education in the Faculty of Applied Chemistry and Material Science**, A.M. Joșceanu, P. Postelnicescu, A.M. Dumitrescu, T.D. Danciu, *Papers of 8-th European Conference E-COMM-LINE 2007, Bucharest, CD-ROM of full texts*.

Vi 5. **Achievements in Simulation of Suspension Polymerization of Styrene**, P. Postelnicescu, A.M. Dumitrescu, T.D. Danciu, *35th Int. Conf. of Slovak Soc. of Chem. Eng., 26-30 May 2008, Tatranske Matliare, Slovakia, CD-ROM of full texts*.

Vi 6. **Communication and Collaboration in the Frame of an e-Learning Platform in Chemical Engineering Education**, A.M. Joșceanu, P. Postelnicescu, A.M. Dumitrescu, T.D. Danciu, *9-th European Conference E-COMM-LINE 2008, Bucharest, CD-ROM of full texts*.

Vi 7. **Design and Development of an University Management System**, A.M. Joșceanu, P. Postelnicescu, A.M. Dumitrescu, T.D. Danciu, *Papers of 10-th European Conference E-COMM-LINE 2009, Bucharest, CD-ROM of full texts*.

Vi 8. **Test Grids in Technical Universities**, T.D. Danciu, A.M. Dumitrescu, P. Postelnicescu, A.M. Joșceanu, *Papers of 10-th European Conference E-COMM-LINE 2009, Bucharest, CD-ROM of full texts*.

Vi 9. **e-Learning experience in the faculty of applied chemistry and materials science**, A.M. Joșceanu, A.M. Dumitrescu, T.D. Danciu, R.D. Isopescu, P. Postelnicescu, *Papers of 11-th European Conference E-COMM-LINE 2010, 27-28 September, 2010, Bucharest, CD-ROM of full texts, ISBN-10: 973-1704-18-3, ISBN-13: 978-973-1704-18-0*.

Vn - Volumele unor manifestări științifice naționale.

Vn 1. **The Study of Oscillating Domain of Bray – Liebhafsky Reaction**, R. Vîlcu, T.D. Danciu, D. Dincă, *Papers of National Conference of Chemistry and Chemical Engineering (6th edition)*, **1**, 1993, 189 – 192.

Vn 2. **The Study of Oscillating Domain of Bray – Liebhafsky Reaction. II. Modelling**, R. Vîlcu, T.D. Danciu, D. Dincă, *Papers of Conference of Chemistry and Chemical Engineering (7th edition)*, **1/3**, 1995, 80 – 85.

Vn 3. **Algorithms for Separation Units Calculus of the Heterogeneous Systems. I. Separation of Diluted Slurries**, T.D. Danciu, E. Danciu, R.S. Onofrei, *Papers of Chemical Engineering Symposium "SICHEM 2000"*, 2000, 72 – 83.

Vn 4. **Algorithms for Separation Units Calculus of the Heterogeneous Systems. II. Separation of Concentrated Slurries**, T.D. Danciu, R.S. Onofrei, *Papers of Chemical Engineering Symposium "SICHEM 2000"*, 2000, 84 – 92.

V. BREVETE DE INVENȚIE / INOVAȚII (B, A)

B - Brevete de invenție.

B 1. **Dense Phase Epoxidation**, D. Hâncu, E.J. Beckman, T.D. Danciu, ARCO Chem. Technology LP, ARCO Chem. Technology Inc., Lyondell Chem. Technology LP, **Patent US 6,710,192**; 2003. Description: *Epoxidation of olefin involves contacting hydrogen, oxygen and olefin with solid catalyst in carbon dioxide solvent*. Full number: US2003073856-A1 WO2003033485-A1 US6710192-B2 EP1436274-A1 AU2002333565-A1 KR2004053161-A BR200213326-A JP2005505624-W CN1571775-A CN1249041-C EP1436274-B1 DE60223702-E ES2292850-T3 DE60223702-T2 KR874257-B1 JP4304070-B2 SG103125-B.