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Referências Bibliográficas

CAMPANA, Diego M.; CARVALHO, Márcio S. 2014. **Liquid Transfer From Single Cavities to Rotating Rolls**. Journal Fluid Mechanics, vol. 747, pp. 545-571.

CAMPANA, Diego M.; UBAL, Sebastián; GIAVEDONI, María D.; SAITA, Fernando A. 2016. **Three Dimensional Flow of Liquid Transfer Between a Cavity and a Moving Roll**. Chemical Engineering Science 149 (2016), 169-180.

CLARK, Donna Ariel 2010. **Major Trends in Gravure Printed Electronics**. Graphic Communication Department, California Polytechnic State University

CHADOV, A. V.; YAKHNIN, E.D. 1979. **Study of Liquid Transfer From One Hard Surface to Another**. Science Academy Colloid, ISSN 0023-2912.

YAKHNIN, E.D.; CHADOV, A. V. 1983. **Investigation of Transfer of Liquid From One Solid Surface to Another**. Volum XLV UDC 536.423

CHUANG, H.-K.; LEE, C.-C.; T.-J. 2008; **An Experimental Study on the Pick Out of Scale-up Gravure Cells**. International Polymer Processing XXIII (2008), pp. 216-222.

DODDS, Shawn; CARVALHO, Márcio da Silveira; KUMAR, Satish 2009. **Stretching and Slipping of Liquid Bridges Near Plates and Cavities**. Physics of Fluids 21, 092103

DODDS, Shawn; CARVALHO, Márcio S.; KUMAR, Satish 2010. **Stretching Liquid Bridges with Bubbles: The Effect of Air Bubbles on Liquid Transfer**. Langmuir 2011, 27(5), 1556-1559.

DODDS, Shawn; CARVALHO, Márcio S.; KUMAR, Satish 2011. **Stretching Liquids Bridges with Moving Contact Lines: Roles of Inertia**. Physics of Fluids 23, 092101

DODDS, Shawn; CARVALHO, Márcio S.; KUMAR, Satish 2012. **The Dynamics of Three-dimensional Liquid Brisges with Pinned and Movings Contact Lines**. Journal of Fluid Mechanics, vol. 707, pp. 521-540.

GUPTA, Chaitanya; MENSING, Glennys A.; SHANNON, Mark A.; KENIS, Paul J. A. 2007. **Double Transfer Printing of Small Volumes of Liquids**. Langmuir 2007, 23, 2906-2914.

HODA, Nazish; KUMAR, Satish 2008. **Boundary Integral Simulations of Liquid Emptying from a Model Gravure Cell**. Physics of Fluids 20, 092106 (2008).

- HUANG, Chung-Hsuan; CARVALHO, Márcio S.; KUMAR, Satish 2016; **Stretching Liquids Bridges with Moving Contact Lines: Comparison of Liquid-Transfer Predictions and Experiments**. *Soft Matter* 12, 7457-7469.
- KUMAR, Satish 2015. **Liquid Transfer in Printing Processes: Liquid Bridges with Moving Contact Lines**. *Annual Review of Fluid Mechanics*. 47:67-94
- LEE, C.-C.; HU, S.-H.; LIU, T.-J.; TIU, C. 2012. **Three-Dimensional Observation on the Liquid Emptying Process from a Scale-up Gravure Cell**. *International Polymer Processing XXVII* (2012), pp. 128-137.
- LEE, J. Alex; ROTHSTEIN, Jonathan P.; PASQUALI, Matteo 2013. **Computational Study of Viscoelastic Effects on Liquid Transfer during Gravure Printing**. *Journal of Non-Newtonian Fluid Mechanics* 199 (2013), 1-11.
- POWELL, C. A.; SAVAGE, M. D.; GASKELL, P. H. 2000. **Modelling the Meniscus Evacuation Problem in Direct Gravure Coating**. *Institution of Chemical Engineers Volum 78, Part A* Pag 61 – 67
- SANKARAN, Ashwin K.; ROTHSTEIN, Jonathan P. 2012. **Effect of Viscoelasticity on Liquid Transfer During Gravure Printing**. *Journal of Non-Newtonian Fluid Mechanics* 175-176 (64-75)
- UNTERSTENHOEFER, Thomas 2015. **Global Iphone Sales**. Disponível em <https://inotes4you.files.wordpress.com/2015/11/img_0184.png> Acessado em 31 de outubro de 2017.
- VISCOSITYCALC. 2017. **Publicação eletrônica**. Desenvolvido pelo Departamento de Meteorologia da Universidade de Reading, Reino Unido. Disponível em <https://www.met.reading.ac.uk/~sws04cdw/viscosity_calc.html>. Acesso em 03 de junho de 2017.
- YIN, Xiuyan; KUMAR, Satish 2006. **Flow Visualization of the Liquid-Emptying Process in Scale-Up Gravure Grooves and Cells**. *Chemical Engineering Science Elsevier* 61, 1146-1156