

# Films, surfaces et interfaces

**English** : physical chemistry, hydrodynamical and mechanical interfacial properties

**Français** : Physicochimie, propriétés mécaniques et hydrodynamique interfaciale

## Publications

- [How the geometry controls the tearing of adhesive thin films on curved surfaces](#). O. Kruglova, F. Brau, D. Villers & P. Damman, Physical Review Letters 107, 164303 (2011).
- [Relaxation of Residual Stress and Reentanglement of Polymers in Spin-Coated Films](#). Pascal Damman, Sylvain Gabriele, Severine Coppée, Sylvain Desprez, Didier Villers, Thomas Vilmin, Elie Raphaël, Moustafa Hamieh, Samer Al Akhrass, Gunter Reiter. Physical Review Letters, 99, 036101, 2007.
- Instabilité des films minces de polymère, Relations avec la dynamique des chaînes. P. Damman, S. Coppée, G. Derue, S. Desprez, S. Gabriele, J. Léopoldès, S. Sclavons, D. Villers, L'actualité chimique, août-septembre 2006, 300, 40-45.
- Non-monotonous temperature dependence of interfacial tensions. J. De Coninck, D. Villers and J.K. Platten, Journal of Physical Chemistry, vol. 94, pp. 5057-5059, 1990.
- Temperature dependence of the interfacial tension between water and long-chain alcohols. D. Villers and J.K. Platten, Journal of Physical Chemistry, vol. 92, pp. 4023-4024, 1988.

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