

Bibliographie de Nicolas BROUETTE

Liste des publications scientifiques :

- **N. Brouette** and M. Sferrazza, Protein Adsorption Kinetic on Polymer Brushes: Dependence on Grafting Density, *in preparation*.
- **N. Brouette**, G. Fragneto, F. Cousin, M. Moulin, M. Haertlein, M. Sferrazza. A neutron reflection study of adsorbed deuterated myoglobin layers on hydrophobic surfaces. *Journal of Colloid and Interface Science* 390, 114 (2013).
- **N. Brouette** and M. Sferrazza, PEG polymer brushes via the Langmuir–Schaefer technique: The transfer ratio. *Journal of Colloid and Interface Science* 394, 643 (2013).
- **N. Brouette**, C. Xue, M. Haertlein, M. Moulin, G. Fragneto, D. E. Leckband, A. Halperin, M. Sferrazza. Protein adsorption properties of OEG monolayers and dense PNIPAM brushes probed by neutron reflectivity. *The European Physical Journal* 213, 343 (2012).
- C. Xue, N. Yonet-Tanyeri, **N. Brouette**, M. Sferrazza, Paul V. Braun, Deborah E. Leckband, Protein Adsorption on Poly(N-isopropylacrylamide) Brushes: Dependence on Grafting Density and Chain Collapse. *Langmuir* 27 (14), 8810 (2011).
- M. Steichen, **N. Brouette**, C. Buess-Herman, G. Fragneto, M. Sferrazza, Interfacial Behaviour of a Hairpin DNA Probe Immobilized on Gold Surfaces. *Langmuir* 25 (7), 4162 (2009).
- A. Hocq, **N. Brouette**, S Saussez, M. Luhmer, P. Gillis and Y. Gossuin, Variable-field relaxometry of iron-containing human tissues: a preliminary study. *Contrast Media & Molecular Imaging* 4 , 157 (2009)

Liste des mémoires et thèse :

- N. Brouette, Influence des propriétés interfaciales de couches organiques sur l'adsorption de protéines globulaires, Thèse de doctorat, ULB (2012).
- N. Brouette, Adsorption et mouillage des surfaces par des solutions de protéines, Mémoire de DEA, ULB (2007).
- N. Brouette, Résonance magnétique nucléaire de noyaux extrapyramidaux du cerveau, Mémoire de licence, UMH (2006).