

Publications – 344 citations, h-index 12

- 24** - Steve H. Faulkner, Kate Spilsbury, James Harvey, Andrew Jackson, Jingfeng Huang, Mark Platt, Alfred Tok and Myra A. Nimmo, "The detection and measurement of interleukin-6 in venous and capillary blood samples, and in sweat collected at rest and during exercise", *Eur J Appl Physiol*, (2014), DOI:10.1007/s00421-014-2851-8
- 23** - E. Billinge, M. Broom, M. Platt, "Monitoring Aptamer-Protein Interactions Using Tunable Resistive Pulse Sensing" *Analytical Chemistry* (2014) 86 (2) pp1030-1037.
- 22** - J. O'Mahony, D. Kilinc, M. Platt, G. Lee, "Synthesis of Superparamagnetic Particles with Tunable Morphologies: The Role of Nanoparticle–Nanoparticle Interactions" *Langmuir* (2013) 29, 2546
- 21** - E. Billinge, J. Muzard, M. Platt, "Tunable resistive pulse sensing as a tool to monitor analyte induced particle aggregation", *Nanomaterials and Nanosciences*, (2013)
- 20** - M. Platt, G. Willmott, G. U. Lee, "Resistive pulse sensing of analyte-induced multicomponent rod aggregation using tunable pores", *Small*, (2012) 8, 2436-2444
- 19** - J. Muzard, M. Platt, G. U. Lee, "Design and characterization of M13 virus-activated superparamagnetic particles" *Small* (2012) 8, 2289.
- 18** - G. Willmott, M. Platt, G. U. Lee "Resistive pulse sensing of magnetic beads and supraparticle structures using tunable pores" *Biomicrofluidics*, (2012), 6, 014103.
- 17** - M. Platt, W. Rowe, D. C. Wedge, P. J. R. Day, D. B. Kell, J. Knowles, "Convergent evolution to an aptamer observed in small populations on DNA microarrays" *Phys. Biol*, (2010) 7, 036007.
- 16** - W. Rowe, D. C. Wedge, M. Platt, D. B. Kell, J. Knowles, "Predictive models for population performance on real biological fitness landscapes" *Bioinformatics*, (2010), 26, 2145.
- 15** - M. Platt, W. Rowe, D. C. Wedge, P. J. R. Day, D. B. Kell, J. Knowles, "Analysis of a complete DNA-protein affinity landscape" *J. Royal Soc, Interface*, (2010) 7, 397.
- 14** - M. Platt, W. Rowe, J. Knowles, P. J. R. Day, D. B. Kell, "Analysis of aptamer sequence activity relationships" *Integrative Biology*, (2009) 1, 116.
- 13** - C.K. Knight, M. Platt, W. Rowe, D. C. Wedge, F. Khan, P. J. R. Day, A. McShea, J. Knowles, D. B. Kell, "Array-based evolution of DNA aptamers allows modelling of an explicit sequence-fitness landscape" *Nucleic Acids Research*, (2009) 37, e6.
- 12** - M. Platt, W. Rowe, D. C. Wedge, J. Knowles, P. J. R. Day, D. B. Kell, "Aptamer evolution for array-based diagnostics" *Analytical Biochemistry*, (2009) 390.
- 11** - M. E. Williams, B. M. Hutchins, M. Platt, W. O. Hancock, *ECS Transactions* (2007) 3, 1.
- 10** - B. M. Hutchins, M. Platt, W. O. Hancock, M. E. Williams, "Directing transport of CoFe₂O₄- functionalized microtubules with magnetic fields" *Small* (2007) 3, 126.
- 9** - M. Platt, R. A. W. Dryfe, "Electrodeposition at the liquid/liquid interface: The chronoamperometric response as a function of applied potential difference" *J. Electroanal. Chem*, (2007) 599, 323.
- 8** - B. M. Hutchins, M. Platt, W. O. Hancock, M. E. Williams, "Motility of CoFe₂O₄ nanoparticle-labelled microtubules in magnetic fields" *Micro and Nanoletters*, (2006) 1, 47.-
- 7** - M. Platt, G. Muthukrishnan, W. O. Hancock, M. E. Williams, "Millimetre scale alignment of magnetic nanoparticle functionalized microtubules" *J. Am. Chem. Soc*, (2005) 127, 15686.
- 6** - M. Platt, R. A. W. Dryfe, "Structural and electrochemical characterisation of Pt and Pd nanoparticles electrodeposited at the liquid/liquid interface: Part 2" *Phys. Chem. Chem Phys.*, (2005) 7, 1.
- 5** - M. Platt, R. A. W. Dryfe, E. P.L. Roberts, "Structural and electrochemical characterisation of Pt and Pd nanoparticles electrodeposited at the liquid/liquid interface" *Electrochim Acta*, (2004) 49, 3937.

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3 - M. Platt, R. A. W. Dryfe, E. P.L. Roberts, "Voltammetry with liquid/liquid microarrays: Characterization of membrane materials" *Langmuir*, (2003) 19, 8019.

2 - A. Sherburn, M. Platt, D. W. M. Arrigan, N. M. Boag, R. A. W. Dryfe, "Selective silver ion transfer voltammetry at the polarised liquid vertical bar liquid interface" *Analyst* (2003) 128, 1187.

1 - M. Platt, R. A. W. Dryfe, E. P.L. Roberts, "Controlled deposition of nanoparticles at the liquidliquid interface" *Chem Comm*, (2002) 20, 2324.

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1 - W. Rowe, M. Platt, P. J. R. Day. "Advances and perspectives in aptamer arrays" *Integrative biology*, (2009) 1, 53.

2 - D. Ayers, M .Platt, F. Javad, P. J. R. Day. (2011) Human papilloma virus strain detection utilising custom-designed oligonucleotide microarrays. PCR mutation and detection *Protocols, Methods Mol Biol*, 688, 20