

## Academic journal papers (refereed), conference contributions (refereed) and review articles

The majority of these publications are refereed academic journal papers; conference contributions (refereed) and review articles are identified in the sub-heading. The starred author, as appears in the journal, is indicated.

For publications since 1998 a format code, defined above the section for 1998, identifies the level of my contribution.

### 1988

1. *Microemulsion Stability in Near-Critical Fluids* – conference contribution

D.C.Steytler\*, J.Eastoe, B.H.Robinson, D.C.Lovell, P.Moulson and P.Richmond, Int.Symp.Supercritical Fluids, Soc.Fr.Chem, 1988, 67-69.

### 1990

2. *Influence of Pressure and Temperature on Microemulsion Stability*

J.Eastoe, B.H.Robinson\* and D.C.Steytler, J.Chem.Soc. Faraday Trans., 1990, 86, 511-17.

3. *Scattering Studies of Microemulsions in Low Density Alkanes*

J.Eastoe, B.H.Robinson\*, D.C.Steytler and W.K.Young, J.Chem.Soc.Faraday Trans., 1990, 86, 2883-89.

4. *A Study of Microemulsion Stability* – conference contribution

J.Eastoe, B.H.Robinson\* and D.C.Steytler, in "The Structure, Dynamics and Equilibrium Properties of Colloidal Systems", eds. D.M.Bloor, E.Wyn-Jones, NATO ASI Series C Vol.324, 1990, 295-28.

5. *Structure and Interactions of Microemulsions in a Plastic-Crystalline Phase*

J.Eastoe, B.H.Robinson\*, D.C.Steytler and J.C.Dore, Chem.Phys.Letts., 1990, 166, 153-58.

### 1991

6. *Rotational Dynamics of AOT Reversed Micelles in Near-Critical and Supercritical Alkanes*

J.Eastoe, B.H.Robinson\*, A.J.W.G.Visser and D.C.Steytler, J.Chem.Soc. Faraday Trans., 1991, 87, 1899-1903.

7. *Steric Interactions Between Microemulsion Droplets in a Plastic-Crystalline Phase*

J.Eastoe, B.H.Robinson, D.C.Steytler\* and J.C.Dore, in Food Polymers, Gels and Colloids, ed. E.Dickinson, RSC Special Publication No. 82, 1991, 469-76.

8. *Structural Studies of Aerosol-OT Microemulsions* – review article

J.Eastoe, B.H.Robinson\* and D.Thorn-Leeson, Adv.Col.Int.Sci,1991, 36, 1-31.

### 1992

9. *Variation of Surfactant Counterion and Effect on the Structure and Properties of Aerosol-OT Based Water-in-Oil Microemulsions*

J.Eastoe, B.H.Robinson\*, G.Fragneto, T.F.Towey, R.K.Heenan and F.J.Leng, J.Chem.Soc. Faraday Trans., 1992, 3, 461-73.

10. *SANS From Novel AOT Microemulsions* – conference contribution

J.Eastoe\*, R.K.Heenan, B.H.Robinson, G.Fragneto and D.C.Steytler, Physica B, 1992, 180/181, 555-57.

11. *SANS From Dilute Didodecyldimethylammonium Bromide Water-in-Oil Microemulsions - Evidence for Polymer-like Aggregates*

J.Eastoe\*, Langmuir, 1992, 8(6), 1503-06.

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\* leading author

## 1993

[12.](#) *Structures of Metal bis,2-ethylhexylsulphosuccinate Aggregates in Cyclohexane*

J.Eastoe\*, B.H.Robinson, T.F.Towey, J.Williams and R.K.Heenan, J.Phys.Chem., 1993, 97, 1459-63.

[13.](#) *Effects of Solidification of the Oil Phase on the Structure of Colloidal Dispersions*

J.Eastoe, B.H.Robinson, D.C.Steytler\*, I.P.Macdonald, K.Ibel and J.C.Dore, Langmuir 1993, 9, 903-11.

[14.](#) *Water-in-Oil Microemulsions Formed by Ammonium and Tetrapropylammonium Salts of Aerosol-OT*

J.Eastoe\*, B.H.Robinson and R.K.Heenan, Langmuir, 1993, 9, 2820-24.

## 1994

[15.](#) *Pressure-induced Structural Changes in Water-in-Propane Microemulsions*

J.Eastoe\*, D.C.Steytler, B.H.Robinson and R.K.Heenan, J.Chem.Soc.Faraday Trans., 1994, 90, 3121-7.

[16.](#) *Water-induced Structural Changes Within the  $L_2$  Phase of DDAB/Cyclohexane/Water Systems*, J.Eastoe\* and R.K.Heenan, J.Chem.Soc. Faraday. Trans 1994, 90, 487-92.

[17.](#) *Lamellar Aggregates in the  $L_2$  Phase of a Non-ionic Silicone Surfactant (L77-OH)*

D.C.Steytler\*, D.L.Sargent, B.H.Robinson, J.Eastoe and R.K.Heenan, Langmuir, 1994, 10, 2213-2318.

[18.](#) *Structure of Cobalt Aerosol-OT Reversed Micelles Studied by Small-angle Scattering Methods*

J Eastoe\*, D.C.Steytler, B.H.Robinson, R.K.Heenan, A.N.North and J.C.Dore, J.Chem.Soc.Faraday Trans., 1994, 90, 2497-504.

[19.](#) *Effect of Counterion Radius on Surfactant Properties in Winsor II Microemulsion Systems*

J.Eastoe\*, S.Chatfield and R.Heenan, Langmuir, 1994, 10, 1650-1653.

[20.](#) *Solubilisation of  $C_{60}$  in Aqueous Micellar Solution*

A.Beeby, J.Eastoe\* and R.K.Heenan, J.Chem.Soc.Chem.Comm., 1994, 10, 173-175.

[21.](#) *Properties of a Di-Chain Sugar Surfactant*

J.Eastoe\*, P.Rogueda, Bill J.Harrison, A.M.Howe and A.R.Pitt., Langmuir, 1994, 10, 4429-43.

## 1995

[22.](#) *Formation of PbS Nanoclusters Using Reversed Micelles of Lead- and Sodium Aerosol-OT*

J.Eastoe\* and A.Cox, Coll. Surf, 1995, 101, 63-76.

[23.](#) *Structure and Photophysics in  $C_{60}$ -Micellar Solutions*

J.Eastoe\*, E.Crooks, A.Beeby and R.K.Heenan, Chem.Phys. Lett., 1995, 245, 571-77.

[24.](#) *Small-angle Neutron Scattering and Neutron Reflection – review article*

J.Eastoe\*, Chapter 12 in New Physico-Chemical Techniques for the Characterisation of Complex Food Systems. ed. E.Dickinson, Blackie, Glasgow 1995 .

[25.](#) *Surface light scattering from mixed surfactant-oil monolayers*

J.Eastoe\* and D.Sharpe, Langmuir, 1995, 11, 4636-4638.

## 1996

[26.](#) *Structure in Microemulsions of Di-chain Surfactants*

J Eastoe\*, J.Dong, K.Hetherington, D.C.Steytler and, R.K.Heenan, J.Chem. Soc Faraday Trans. 1996, 92, 65-72.

[27.](#) *Droplet Structure in a Water-in- $CO_2$  Microemulsion*

J.Eastoe\*, D.C.Steytler, Z.Bayazit, S.Martell, R.K.Heenan, Langmuir, 1996, 12, 1423-25.

- [28.](#) *Structure of Reversed Micelles Formed by Metal Salts of Bis(ethylhexyl) Phosphoric Acid*  
D.C.Steytler\*, T.R.Jenta, B.H.Robinson, J.Eastoe, R.K.Heenan, Langmuir, 1996, 12, 1483-89.
- [29.](#) *Mixing of Alkanes with Surfactant Monolayers in Microemulsions*  
J.Eastoe\*, J.Dong, K.J.Hetherington, D.Sharpe, D.Steytler, R.K.Heenan, Langmuir, 1996, 12, 3876-880.
- [30.](#) *Properties of New Glucamide Surfactants*  
J.Eastoe\*, P.Rogueda, A.M.Howe, A.R.Pitt., R.K.Heenan, Langmuir, 1996, 12, 2701-705.
- [31.](#) *Properties of Surfactant Monolayers Studied by Surface Light Scattering*  
D.Sharpe and J.Eastoe\*, Langmuir, 1996, 12, 2303-307.
- [32.](#) *Interfacial Properties of a Catanionic Surfactant*  
J.Eastoe\*, P.Rogueda, J.Dalton, J.Dong, D.Sharpe, J.R.P.Webster, Langmuir, 1996, 12, 2706-711.
- [33.](#) *Micelles of Assymetric Chain Catanionic Surfactants*  
J.Eastoe\*, P.Rogueda, D.Shariatmadari, R.K.Heenan, Coll. Surf. A 1996, 117, 215-225.
34. *Nanoparticle Synthesis in Microemulsions* – review article  
J.Eastoe\* and B.Warne, Curr.Op.Coll.Sci, 1996, 800-805.
- [35.](#) *Preparation of Colloidal Cobalt using Reversed Micelles*  
J.Eastoe\*, S. Stebbing, J.Dalton and R.K.Heenan, Coll.Surf A, 1996, 119, 123-31.
- [36.](#) *Measurement of Interparticle Forces from the Osmotic Pressure of Partially-Frozen Dispersions* – conference contribution  
J.Eastoe, B.H.Robinson, D.C.Steytler\*, I.P.Macdonald, K.Ibel and J.C.Dore, J.Phys.Cond.Matt 1996, 8, 953-56.
37. *Remarkable Stability of  $C_{60}^-$  In Micelles*  
A.Beeby\*, J.Eastoe, E.Crooks, J.Chem.Soc. Chem.Comm, 1996, 901-02.

## **1997**

38. *Bending Energies of Di-chained Surfactant Films in Microemulsions* – conference contribution  
J.Eastoe\*, D.Sharpe and R.K. Heenan, Prog. Coll.and Polym Sci., 1997, 105, 340-45.
- [39.](#) *Dynamic Surface Tensions of Non-ionic Surfactant Solutions*  
J.Eastoe\*, J.S.Dalton, P.G.A.Rogueda, E.R.Crooks, A.R.Pitt and E.A.Simister, J.Coll.Int.Sci., 1997, 188, 423-30.
- [40.](#) *Microemulsions with Didodecyldimethylammonium Bromide Studied by Neutron Contrast Variation*  
J.Eastoe\*, K.J.Hetherington, J.S.Dalton, D.Sharpe, J.R.Lu and R.K.Heenan, J.Coll.Int.Sci, 1997, 190, 449-55.
- [41.](#) *Droplet Structure in Phosphocholine Microemulsions*  
J.Eastoe\*, K.J.Hetherington, D.Sharpe, D.C.Steytler, S.Egelhaaf and R.K.Heenan, Langmuir, 1997, 13, 2490-93.
- [42.](#) *Rigidities of Cationic Surfactant Films in Microemulsions*  
J.Eastoe\*, D.Sharpe, S.Egelhaaf and R.K.Heenan, J.Phys.Chem., 1997, 101, 944-48.
- [43.](#) *Properties of Phosphocholine Microemulsions and the Film Rigidity Model*  
J.Eastoe\* and D.Sharpe, Langmuir, 1997, 13, 3289-94.
- [44.](#) *Films of Di-chained Surfactants in Microemulsions* – conference contribution  
J.Eastoe\*, K.J.Hetherington, D.Sharpe, J.Dong, D.C.Steytler, and R.K.Heenan, Coll. Surf. A. 1997, 128, 209-15.

- [45.](#) *Photoexcited Fullerene Species in Triton-X100 Micelles*  
J.Eastoe\*, E.R.Crooks and A.Beeby, J.Chem.Soc. Faraday Trans. 1997, 93, 4131 - 4136.
- [46.](#) *Lanthanide-containing Reversed Micelles: A Structural and Luminescence Study*  
J.Eastoe, A.Beeby\*, B.Warne, I.M.Clarkson and S.Faulkner, Langmuir, 1997, 13, 5816 - 5819.
- [47.](#) *Interparticle Forces from Osmotic Pressure Measurements in Frozen Dispersions* – conference contribution  
J.Eastoe, B.H.Robinson, D.C.Steytler\*, I.P.Macdonald, K.Ibel and J.C.Dore, contribution to Surfactant Science Series ed. D.O.Shah, Marcel Dekker 1997, p 363 - 386.
- [48.](#) *Invasive and Non-invasive Measurements of Dynamic Surface Tensions*  
S.Manning-Benson, C.D.Bain\*, R.Darton, J.Eastoe, D.Sharpe and P.Reynolds, Langmuir, 1997, 13, 5808 - 5810.
- [49.](#) *Water-in-CO<sub>2</sub> Microemulsions Studied by Small-angle Neutron Scattering.*  
J.Eastoe\*, B.M.H.Cazelles, D.C.Steytler, J.D.Holmes, A.R.Pitt, T.J.Wear and R.K.Heenan, Langmuir, 1997, 13, 6980 - 6984.
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## **Publications since 1998**

There have been 53 refereed publications and 3 non-refereed articles.

The majority of publications have been in high quality international journals like *Langmuir*, *Journal of the American Chemical Society*, *Chemistry of Materials and Macromolecules* (30), *Journal of Colloid and Interface Science* (5) and *Physical Chemistry Chemical Physics* or *Faraday Transactions* (4). There have been 4 refereed reviews and 5 refereed conference contributions. For each publication the following code identifies my level of contribution.

**principal investigator** – I instigated the research, raised the necessary funds, and/or was awarded the neutron beam time, designed the experiments, was involved in some experimental work carried out and/or advised on data analysis. I managed the project including instruction of Post-Docs and Ph.D. students. I was responsible for writing the paper, submitting it to the journal and responding to Referees' comments.

equal contributor – The research was a collaboration between different groups, financial inputs, research tasks, and author responsibilities were shared. The level of contribution varies on a case-by-case basis, and so it is reasonable to apportion the effort equally between all authors.

normal type face – other authors were the major contributors

## 1998 – seven refereed publications

[50.](#) *Characterisation of water-in-oil microemulsions formed in silicone oils.*

D.C.Steytler\*, P.Dowding, B.H.Robinson, J.D.Hague, J.H.S.Rennie, C.A.Leng, J.Eastoe, R.K.Heenan, Langmuir, 1998, 14, 3517 - 3523.

[51.](#) *Evidence for activated-diffusion controlled dynamic surface tension with a non-ionic surfactant*

**J.Eastoe\***, J.S.Dalton, P.G.A.Rogueda and P.C.Griffiths, Langmuir, 1998, 14, 979-981.

[52.](#) *Mixing in cationic surfactant films studied by small-angle neutron scattering*

**J.Eastoe\***, A.Bumajdad, R.K.Heenan, J.R.Lu, D.C.Steytler and S.Egelhaaf, J. Chem. Soc. Faraday Transactions, 1998, 94, 2143-2150.

[53.](#) *Percolation in non-ionic microemulsion systems*

G.Ilgenfritz\*, S.Lipgens, D.Schubel, L.Schlicht, J.Eastoe and R.K.Heenan, Langmuir, 1998, 14, 1041 - 1049.

[54.](#) *Dynamic surface tensions and micelle structures of di-chained phosphatidylcholine surfactant solutions*

**J.Eastoe\***, J.S.Dalton and R.K. Heenan, Langmuir, 1998, 14, 5719 - 5724.

[55.](#) *Breakdown kinetics of fluorocarbon micelles studied by stopped-flow small-angle X-ray scattering*

**J. Eastoe\***, J.S.Dalton, A.Downer, G.Jones and D. Clarke, Langmuir, 1998, 14, 1937 - 1939.

[56.](#) *Surface Light Scattering from Cationic Surfactant Films – refereed conference contribution*

**J.Eastoe\*** and D.Sharpe, Coll.Surf. A., 1998, 143, 261-271.

## 1999 – seven refereed publications

[57.](#) *Raman scattering spectra of Aerosol-OT homologous sodium dialkylsulfosuccinates and the environment of their hydrophobic chains*

Y. Nagasoe, N. Ichiyanagi, H. Okabayashi\*, S. Nave, J. Eastoe, C.J. O'Connor, Colloid and Polymer Science, 1999, 277, 947-956.

[58.](#) *Infrared absorption spectra of Aerosol-OT homologous sodium dialkylsulfosuccinates and the effect of crystal polymorphism on the environment of the succinate segment.*

Y. Nagasoe, N. Ichiyanagi, H. Okabayashi\*, S. Nave, J. Eastoe, C.J. O'Connor, Colloid and Polymer Science, 1999, 277, 1051-1057.

[59.](#) *Effects of hydrophobic chain structure on adsorption of fluorocarbon surfactants with either CF<sub>3</sub>- or H-CF<sub>2</sub>-terminal groups*

A. Downer, **J. Eastoe\***, A.R. Pitt, E.A. Simister, J. Penfold, Langmuir, 1999, 15, 7591-7599.

[60.](#) *Raman and IR spectroscopic studies of the interaction between counterion and polar group in self-assembled systems of AOT-homologous "sodium dialkyl sulfosuccinates"*

Y. Nagasoe, N. Ichiyanagi, H. Okabayashi\*, S. Nave, J. Eastoe, C.J. O'Connor, Phys. Chem. Chem. Phys., 1999, 1, 4395-4407.

[61.](#) *Adsorption and micellisation of partially- and fully-fluorinated surfactants*

A. Downer, **J. Eastoe\***, A.R. Pitt, J. Penfold, R.K. Heenan, Colloids and Surfaces A, 1999, 156, 33-48.

[62.](#) *Interfacial compositions and phase structures in mixed surfactant microemulsions*

A. Bumajdad, **J. Eastoe\***, P. Griffiths, D.C. Steytler, R.K. Heenan, J.R. Lu, P. Timmins, Langmuir, 1999, 15, 5271-5278.

[63.](#) *Oligo- and polyethylene glycols in water-in-oil microemulsions. A SANS study.*  
D. Schubel, O.D.Bedford, G. Ilgenfritz\*, J. Eastoe, R.K. Heenan, Physical Chemistry Chemical Physics, 1999, 1, 2521-2525.

**2000 – ten refereed publications – one non-refereed publication**

[64.](#) *Dynamic surface tension and adsorption mechanisms of surfactants at the air-water interface* – refereed review article

**J.Eastoe\*** and J.S.Dalton, Adv.Coll.Int.Sci, 2000, 85, 103-144.

65. *Adsorption of fluorosurfactants at air-water and water-CO<sub>2</sub> interfaces* – refereed conference contribution

**J. Eastoe\***, A.M.Downer, A.Paul, D.C.Steytler\* and E.Rumsey, Prog.Colloid.Polym.Sci., 2000, 115, 214.

66. *Studies of cationic and non-ionic surfactant mixed microemulsions by Small-Angle Neutron Scattering and Pulsed Field Gradient NMR* – refereed conference contribution

M.Giustini\*, G. Palazzo, A.Ceglie, J.Eastoe, A.Bumujdad and R.K.Heenan.  
Prog.Colloid.Polym.Sci., 2000, 115, 25-30.

[67.](#) *Adsorption of ionic surfactants at the air-solution interface*

**J.Eastoe\***, S.Nave, A.Rankin, A.Paul. A. Downer, K.Tribe and J.Penfold, Langmuir, 2000, 16, 4511-4518.

68. *Droplet interfacial structure studied by SANS contrast variation* – refereed conference contribution

J.Eastoe and R.K.Heenan\*, J.Appl.Cryst, 2000, 33, 749-752.

[69.](#) *Vibrational spectra of Aerosol-OT homologous sodium dialkylsulfosuccinates - normal coordinate analyses of sodium diethylsulfosuccinate and sodium dimethylsulfosuccinate and their application to longer homologues.*

Y.Nagasoe, H.Okabayashi\*, M.Abe, J.Eastoe, and C.J.O'Connor, Vibrational Spectroscopy, 2000, 23, 151-168.

[70.](#) *Fluoro-surfactants at air/water and water/CO<sub>2</sub> interfaces.*

**J.Eastoe\***, A.Downer, A.Paul, D.C.Steytler, E.Rumsey, J.Penfold, and R.K.Heenan, Phys.Chem.Chem.Phys., 2000, 2, 5235-5242.

[71.](#) *What is so special about Aerosol-OT? 1. Aqueous systems.*

**J.Eastoe\***, S.Nave and J.Penfold. Langmuir, 2000, 16, 8733-8740.

[72.](#) *What is so special about Aerosol-OT? 2. Microemulsion systems.*

**J.Eastoe\***, S.Nave, R.K.Heenan, D.C.Steytler and I.Grillo, Langmuir, 2000, 16, 8741-8748.

[73.](#) *Control over phase curvature using mixtures of polymerisable surfactants.*

**J.Eastoe\***, M.Summers and R.K.Heenan, Chem.Mat.Communications, 2000,12, 3533-3537.

74. *Mixed surfactant microemulsions* – non-refereed review article

**J.Eastoe\*** and A.Bumajdad

Recent Research Developments in Physical Chemistry, 2000, 4, 337-350.

## 2001 – eight refereed publications

[75.](#) *Micellisation of hydrocarbon surfactants in supercritical carbon dioxide.*

**J.Eastoe\***, A.Paul, S.Nave, D.Steytler\*, E.Rumsey, M.Thorpe, B.H.Robinson, R.K.Heenan, J.Am.Chem.Soc. Comm., 2001, 123, 988-989.

[76.](#) *The remarkable "flip-flop" self-assembly of a diblock copolymer in aqueous solution*

V.Butun, S.P.Armes\*, N.C.Billingham, Z.Tuzar, A.Rankin, **J.Eastoe\*** and R.K.Heenan, Macromolecules, 2001, 34, 1503-1511.

77. *Surfactant adsorption dynamics* – refereed review article

**J.Eastoe\***, A.Rankin, R.Wat and C.D.Bain

International Reviews in Physical Chemistry, 2001, 20, 1-30.

[78.](#) *Water-in-carbon dioxide macroemulsions and miniemulsions with a hydrocarbon surfactant*

K.P.Johnston\*, D Cho, S.R.P. DaRocha, S.E.Webber, J.Eastoe, A.Dupont, D.C.Steytler, Langmuir, 2001, 17, 7191-7193.

[79.](#) *Polymerisation of cationic surfactant phases*

**J.Eastoe\***, M.Summers, S.Davis, Z. Du, R.M.Richardson, R.K.Heenan, D.Steytler, I.Grillo, Langmuir, 2001, 17, 5388-5397.

[80.](#) *Phosphate surfactants for water-in-CO<sub>2</sub> microemulsions*

D.C. Steytler\*, E.Rumsey, M.Thorpe, **J.Eastoe\***, A.Paul, R.K.Heenan, Langmuir, 2001, 17, 7948-7950.

[81.](#) *Fluorinated non-ionic surfactants bearing either CF<sub>3</sub>- or H-CF<sub>2</sub>- terminal groups: adsorption at the surface of aqueous solutions*

**J.Eastoe\***, A.Paul, A.Rankin, R.Wat, J.Penfold, J.R.P.Webster Langmuir, 2001, 17, 7873-7878.

82. *Polymerisation of cationic surfactant films in microemulsions*

**J.Eastoe\***, M.Summers, R.K.Heenan, D.Steytler, I.Grillo, J.Disp.Sci.Tech, 2001, 22, 597-606.

## 2002 – seven refereed publications – one non-refereed publication

[83.](#) *Interaction between a Novel Gemini Surfactant and Cyclodextrin: NMR and Surface Tension Studies*

S. Abrahmsén-Alami\*, E. Alami, **J. Eastoe**, T. Cosgrove

Journal of Colloid and Interface Science, 2002, 246, 191-202.

[84.](#) *Adsorption properties of novel gemini surfactants with non-identical headgroups*

E.Alami\*, K.Holmberg and **J.Eastoe**

Journal of Colloid and Interface Science, 2002, 247, 447-455.

[85.](#) *What is so special about Aerosol-OT? Part III – glutaconate versus sulfosuccinate headgroups and oil-water interfacial tensions*

S. Nave, **J.Eastoe\***, R.K. Heenan, D.Steytler, I.Grillo, Langmuir , 2002, 18,1505-1510.

[86.](#) *Effects of fluorocarbon surfactant chain structure on stability of water-in-carbon dioxide microemulsions. Links between aqueous surface tension and microemulsion stability.*

**J.Eastoe\***, A.Paul, A.Downer, D.C.Steytler and E.Rumsey, Langmuir, 2002, 18, 3014-3017

[87.](#) *Formation of BaSO<sub>4</sub> nano-particles in microemulsions with polymerised surfactant shells*

M. Summers, **J. Eastoe\*** and S. Davis, Langmuir, 2002, 18, 5023-5026.

88. *Water-in-carbon dioxide microemulsions stabilised by fluoro-surfactants* – conference contribution – not refereed

**J.Eastoe\***, A.Paul, D.Steytler, E.Rumsey, R.K.Heenan, J.Penfold  
Adsorption and aggregation of surfactants in solution, 2002, Marcel Dekker, (Eds. K.Mittal & D.O.Shah), chapter 16, 299-326,

[89](#). *Properties of a stilbene-containing gemini photo-surfactant: light triggered changes in surface tension and aggregation*

**J.Eastoe\***, M.Sanchez-Dominguez, P.Wyatt\*, A.Beeby, R.K.Heenan, Langmuir, 2002, 18, 7837-7844.

[90](#). *Interactions between non-ionic gemini surfactant and cyclodextrins investigated by small-angle neutron scattering.*

E. Alami\*, S. Abrahmsén-Alami, J.Eastoe, I.Grillo, R.K.Heenan, J.Coll.Int.Sci., 2002, 255, 403-409.

## **2003 – fifteen refereed publications and two non-refereed publication**

[91](#). *Applications of polymerizable surfactants* – refereed review article

M. Summers and **J.Eastoe\***, Adv.Coll.Int.Sci, 2003, 100-102, 137-152.

[92](#). *Design and performance of surfactants for carbon dioxide*– refereed conference contribution

**J. Eastoe\***, A. Dupont, A. Paul, D. C. Steytler\* and E. Rumsey, ACS Symposium Series. Separations and Processes Using Supercritical Carbon Dioxide.

[93](#). *Neutron reflection and small-angle neutron scattering studies of a fluorocarbon telomer surfactant,*

A.Dupont, **J.Eastoe\***, P.Barthelemey, B.Pucci, J.Penfold and R.K.Heenan, J.Coll.Int Sci, 2003, 261 184-190.

[94](#). *Micellisation of commercially viable surfactants for CO<sub>2</sub>,*

J.Eastoe\*, A.Dupont, D.C.Steytler, M.Thorpe, A.Gurgel and R.K.Heenan, J.Coll.Int Sci, 2003, 258, 367-373.

[95](#). *Photosurfactants new and old* – non-refereed review article

M.Sanchez-Dominguez, P.Wyatt and **J.Eastoe\***, Self-Assembly, IOS Press Amsterdam, Nov.2003. p 134-143. Editor B.H.Robinson.

[96](#). *Dynamic surface excess of fluorocarbon surfactants*

J.Eastoe\*, A.Rankin, R.Wat, C.D.Bain, D.Strykas and J.Penfold, Langmuir 2003, 19, 7734-7739.

[97](#). *Measurement of the dynamic surface excess of the non-Ionic surfactant C<sub>8</sub>E<sub>4</sub>OME by neutron reflection and ellipsometry*

D. Valkovska, K. M. Wilkinson, R.A. Campbell, C.D. Bain\*, R. Wat and J. Eastoe, Langmuir 2003, 19, 5960-5962.

[98](#). *pH Switching' for the Selective Extraction of Metal Ions into Supercritical CO<sub>2</sub>*

J. P. Hanrahan, K. J. Ziegler, J.D. Glennon, D. C. Steytler, J. Eastoe, A. Dupont and J.D. Holmes\*, Langmuir 2003, 19, 3145-3150.

[99](#). *Compositions of mixed surfactant layers in microemulsions determined by small-angle neutron scattering*

A.Bumajdad, **J.Eastoe\***, S. Nave, D.C. Steytler, R. K. Heenan and I. Grillo, Langmuir, 2003, 19, 2560-2567.

[100](#). *Fluorinated surfactants in supercritical CO<sub>2</sub>* – refereed review article

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[101](#). *Concentrated polymerized cationic surfactant phases*

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