

PUBLICATIONS – Professor Bernard P. Binks

Edited Books/Special Volume

1. “*Colloidal Particles at Liquid Interfaces*”, Themed Issue in *Phys. Chem. Chem. Phys.*, ed. B.P. Binks, **9**, 6285-6488 (2007).

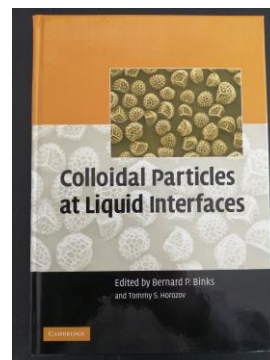
2. *Colloidal Particles at Liquid Interfaces*

eds. B.P. Binks and T.S. Horozov

Cambridge University Press

Cambridge

2006 (503 pp.).



3. *Modern Characterization Methods of Surfactant Systems*

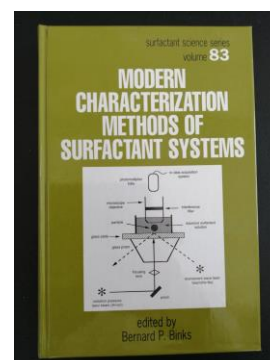
ed. B.P. Binks

Surfactant Science Series Vol. 83

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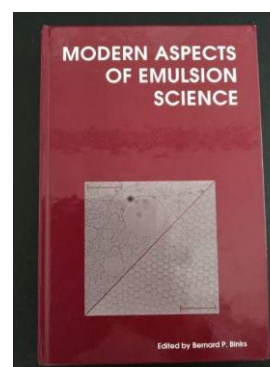
4. *Modern Aspects of Emulsion Science*

ed. B.P. Binks

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1998 (430 pp.).



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5. Liquid marbles under electric fields: New capabilities for non-wetting droplet manipulation and beyond.

Y. Zhang, H. Cui, B.P. Binks and H.C. Shum.

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6. High internal phase Pickering emulsions.
A.M. Bago Rodriguez and B.P. Binks.
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7. Particle-stabilised oil foams.
B.P. Binks and B. Vishal.
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8. Catalysis in Pickering emulsions.
A.M. Bago Rodriguez and B.P. Binks.
Soft Matter, **16**, 10221-10243 (2020).
9. Capsules from Pickering emulsion templates.
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Curr. Opin. Colloid & Interface Sci., **44**, 107-129 (2019).
10. Particles adsorbed at various non-aqueous liquid-liquid interfaces.
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Adv. Colloid Interface Sci., **247**, 208-222 (2017).
11. Emulsions stabilised solely by colloidal particles.
R. Aveyard, B.P. Binks and J.H. Clint.
Adv. Colloid Interface Sci., **100-102**, 503-546 (2003).
12. Particles as surfactants-similarities and differences.
B.P. Binks.
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13. Wetting.
Section editor of 6 reviews and author of editorial overview,
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14. Emulsions.
B.P. Binks.
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15. Properties of surfactant monolayers in relation to microemulsion phase behaviour.
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16. Insoluble monolayers of weakly ionising low molar mass materials and their deposition to form Langmuir-Blodgett multilayers.
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17. Process for the preparation of solid catalyst.
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18. Novel Pickering emulsion emulsifiers.
T. Sato, A.M. Bago Rodriguez and B.P. Binks.
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19. Lipid based foam.
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20. Aerated confectionery material.
H. Chisholm, Z.D. Gunes, C. Gehin-Delval, A. Nouzille, E. Garvey, M.J. Destribats, S.N. Chandrasekaran, J. Vieira, J. German and B.P. Binks.
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21. Emulsions stabilized by particles of an edible inorganic salt.
C. Gehin-Delval, C.J.E. Schmitt, B.P. Binks and M.J. Destribats.
WO 2015086388 A1 assigned to Nestec S.A., June 2015.
22. Non-aqueous solid stabilized emulsions.
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23. Multi-component encapsulated reactive formulations.
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25. Whipped oily composition and production method thereof.
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26. Emulsions stabilised by whey protein microgels.
C. Gehin-Delval, C.J.E. Schmitt, B.P. Binks and M. Destribats.
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27. Emulsifier system.
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28. Emulsions and method for manufacturing emulsions.
B.P. Binks, M. Nakajima and Q. Xu.
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29. Particle-stabilised emulsions.
T. Gottschalk-Gaudig, H. Barthel, B.P. Binks and T.S. Horozov.
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30. Water-wettable silylated metal oxides.
T. Gottschalk-Gaudig, H. Barthel, B.P. Binks and H. Balard.
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31. Particulate emulsifiers, emulsions and uses thereof.
B.P. Binks, S.P. Armes, C.P. Whitby and J.I. Amalvy.
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35. Monodisperse plant protein nanoparticles prepared by cation-exchange resins for stabilization of Pickering emulsions.
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37. Universality of scaling laws governing contact and spreading time spans of bouncing liquid marbles and its physical origin.
A. Kaushal, S. Shoval, B.P. Binks and E. Bormashenko.
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38. Highly efficient and recyclable monolithic bioreactor for interfacial enzyme catalysis.
Z. Yin, Y. Zhou, X. Liu, S. Zhang and B.P. Binks.
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39. Fabrication of poly(ϵ -caprolactone)-embedded lignin-chitosan nanocomposite porous scaffolds from Pickering emulsions.
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40. Edible oil-in-water emulsions stabilized by hydrophile-lipophile balanced sucrose ester.
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44. Phase inversion of Pickering emulsions induced by interfacial electrostatic attraction.
G. Sun, T. Guo, J. Luo, R. Liu, T. Ngai and B.P. Binks.
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45. Edible oil-water foamulsions stabilized by vesicle network of sucrose ester.
R. Zheng, X. Hu, C. Su, J. Jiang, Z. Cui and B.P. Binks.
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48. Oil-in-water emulsions stabilized by alumina nanoparticles with organic electrolytes: Fate of particles.
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P. Liu, S. Zhang, X. Pei, B. Song, J. Jiang, Z. Cui and B.P. Binks.
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60. Water-in-oil high internal phase Pickering emulsions formed by spontaneous interfacial hydrolysis of monomer oil.
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61. Influence of particle wettability on foam formation in honey.
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X. He, B.P. Binks, J. Hu, I. Gates and Q. Lu.
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70. Aqueous and oil foams stabilised by surfactant crystals: New concepts and perspectives.
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84. Ultra-stable aqueous foams induced by interfacial co-assembly of highly hydrophobic particles and hydrophilic polymer.
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85. Ultraefficient stabilization of high internal phase emulsions by globular proteins in the presence of polyols: importance of a core-shell nanostructure.
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R. Zheng, B.P. Binks and Z. Cui.
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S. Saha, B. Saint-Michel, V. Leynes, B.P. Binks and V. Garbin.
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92. Spontaneous particle desorption and “Gorgon” drop formation from particle-armored oil drops upon cooling.
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T. Yan, B. Song, X. Pei, Z. Cui, B.P. Binks and H. Yang.
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