

Contents

Spreading and Evaporation of Surfactant Solution Droplets	1
Hezekiah Agogo, Sergey Semenov, Francisco Ortega, Ramón G. Rubio, Víctor M. Starov, and Manuel G. Velarde	
Novel Membrane Emulsification Method of Producing Highly Uniform Silica Particles Using Inexpensive Silica Sources	7
Marijana M. Dragosavac, Goran T. Vladislavljević, Richard G. Holdich, and Michael T. Stillwell	
Dynamic Phenomena in Complex (Colloidal) Plasmas	13
Céline Durniak, Dmitry Samsonov, Sergey Zhdanov, and Gregor Morfill	
Pretreatment of Used Cooking Oil for the Preparation of Biodiesel Using Heterogeneous Catalysis.	19
Kathleen F. Haigh, Sumaiya Zainal Abidin, Basu Saha, and Goran T. Vladislavljević	
Spironolactone-Loaded Liposomes Produced Using a Membrane Contactor Method: An Improvement of the Ethanol Injection Technique.	23
A. Laouini, C. Jaafar-Maalej, S. Gandoura-Sfar, C. Charcosset, and H. Fessi	
The Multiple Emulsion Entrapping Active Agent Produced via One-Step Preparation Method in the Liquid–Liquid Helical Flow for Drug Release Study and Modeling	29
Agnieszka Markowska-Radomska and Ewa Dluska	
Insights into Catanionic Vesicles Thermal Transition by NMR Spectroscopy	35
Gesmi Milcovich and Fioretta Asaro	
Competitive Solvation and Chemisorption in Silver Colloidal Suspensions.	39
Marco Pagliai, Francesco Muniz-Miranda, Vincenzo Schettino, and Maurizio Muniz-Miranda	
Colloid Flow Control in <i>Microchannels</i> and Detection by Laser Scattering.	45
Stefano Pagliara, Catalin Chimerele, Dirk G.A.L. Aarts, Richard Langford, and Ulrich F. Keyser	
FACS Based High Throughput Screening Systems for Gene Libraries in Double Emulsions.	51
Radivoje Prodanovic, Raluca Ostafe, Milan Blanusa, and Ulrich Schwaneberg	

A Dimensionless Analysis of the Effect of Material and Surface Properties on Adhesion. Applications to Medical Device Design	59
Polina Prokopovich	
Influence of Anions of the Hofmeister Series on the Size of ZnS Nanoparticles Synthesised via Reverse Microemulsion Systems	67
Marina Rukhadze, Matthias Wotocek, Sylvia Kuhn, and Rolf Hempelmann	
Polymer Shell Nanocapsules Containing a Natural Antimicrobial Oil for Footwear Applications.	73
M.M. Sánchez Navarro, F. Payá Nohales, F. Arán Aís, and C. Orgilés Barceló	
Evaporation of Pinned Sessile Microdroplets of Water: Computer Simulations	79
S. Semenov, V.M. Starov, R.G. Rubio, and M.G. Velarde	
Viscosity of Rigid and Breakable Aggregate Suspensions Stokesian Dynamics for Rigid Aggregates	85
R. Seto, R. Botet, and H. Briesen	
Neutron Reflection at the Calcite-Liquid Interface	91
Isabella N. Stocker, Kathryn L. Miller, Seung Y. Lee, Rebecca J.L. Welbourn, Alice R. Mannion, Ian R. Collins, Kevin J. Webb, Andrew Wildes, Christian J. Kinane, and Stuart M. Clarke	
Passive Microrheology for Measurement of the Concentrated Dispersions Stability	101
Christelle Tisserand, Mathias Fleury, Laurent Brunel, Pascal Bru, and Gérard Meunier	
Microfiltration of Deforming Droplets.	107
A. Ullah, M. Naeem, R.G. Holdich, V.M. Starov, and S. Semenov	
Fabrication of Biodegradable Poly(Lactic Acid) Particles in Flow-Focusing Glass Capillary Devices	111
Goran T. Vladislavljević, J.V. Henry, Wynter J. Duncanson, Ho C. Shum, and David A. Weitz	
Control over the Shell Thickness of Core/Shell Drops in Three-Phase Glass Capillary Devices	115
Goran T. Vladislavljević, Ho Cheung Shum, and David A. Weitz	
Index	119