

LIST OF PUBLICATIONS (217)

Quotations: 4548

H-Index: 38

Reviewed Papers

185. **Time dependence of gel formation in lyotropic nematic liquid crystals: from hours to weeks**, M. Dombrowski, M. Herbst, N. Preisig, F. Giesselmann, C. Stubenrauch, *Gels*, **2024**, *10*, 261 (1-14)
184. **Detection of Lipase Activity with Liquid Foams**, T. Schad, D. Zauser, A.-L. Fameau, C. Stubenrauch, *COLSUA*, **2024**, *683*, 132995 (1-5)
183. **Transition from a Sponge-Like to an Onion-Like Nanostructure in an L₃ Phase – Part I**, P. Menold, R. Strey, S. Roitsch, N. Preisig, C. Stubenrauch, *JCIS*, **2024**, *653*, Part B, 1743-1752
182. **Interface Adsorption versus Bulk Micellization of Surfactants: Insights from Molecular Simulations**, M. Kanduč, C. Stubenrauch, R. Miller, E. Schneck, *J. Chem. Theory Comput.*, **2024**, *20*, 1568-1578
181. **Transition from a Foam-Like to an Onion-Like Nanostructure in Water-Rich L₃ Phases**, P. Menold, R. Strey, S. Roitsch, N. Preisig, C. Stubenrauch, *Tenside Surf. Det.*, **2023**, *60*, 507-518
180. **Liquid foams as sensors for the detection of biomarkers**, A.-L. Fameau, R. Bordes, L. Evenäs, C. Stubenrauch, *JCIS*, **2023**, *651*, 987-991
179. **Microemulsion supported by Octyl Monoglucoside and Geraniol. 3. Microstructure & General Pattern**, F. Trummer, O. Lade, O. Glatter, T. Sottmann, C. Stubenrauch, *COLSUA*, **2023**, *676*, 132133 (1-10)
178. **Fluorocarbon Vapors Slow Down Coalescence in Foams: Influence of Surfactant Concentration**, K. Steck, J. Dijoux, N. Preisig, V. Bouylout, C. Stubenrauch, W. Drenckhan, *Colloid and Polymer Science*, **2023**, *301*, 685-695
177. **Surface and foaming properties of an anionic CO₂-switchable tail surfactant**, R. Benedix, H. Poole, D. Zauser, N. Preisig, P. Jessop, C. Stubenrauch, *Tenside Surf. Det.*, **2023**, *60*, 269-276
176. **Influence of a CO₂-switchable additive on the surface and foaming properties of a cationic non-switchable surfactant**, R. Benedix, S. Botsch, N. Preisig, V. Kovalchuk, P. Jessop, C. Stubenrauch, *Soft Matter*, **2023**, *19*, 2941-2948
175. **Gelled lyotropic nematic liquid crystals**, M. Herbst, M. Dombrowski, N. Preisig, S. Dieterich, F. Giesselmann, P. Mésini, C. Stubenrauch, *Liquid Crystals*, **2023**, *50*, 1090-1100
174. **Evaluation of a Low-Cost Dryer for a Low-Cost Optical Particle Counter**, M. Chacón-Mateos, B. Laquai, U. Vogt, C. Stubenrauch, *Atmos. Meas. Tech.* **2022**, *15*, 7395-7410
173. **Innovative Foam-based Cleaning Concepts for Historical Objects**, T. Schad, N. Preisig, H. Piening, C. Stubenrauch, *Tenside Surf. Det.*, **2022**, *59*, 451-459

172. **New gelatin-based hydrogel foams for improved enzyme substrate conversion**, F. Dehli, C. Stubenrauch, A. Southan, *Macromolecular Bioscience*, **2022**, 22, 2200139 (1-9)
171. **Foaming and Defoaming Properties of CO₂-switchable Surfactants**, H. Poole, Ph. Jessop, C. Stubenrauch, *J Surfact Deterg.*, **2022**, 25, 467-475
170. **Foam-Based Cleaning of Surfaces Contaminated with Mixtures of Oil and Soot**, T. Schad, N. Preisig, W. Drenckhan, C. Stubenrauch, *J Surfact Deterg.*, **2022**, 25, 377-385
169. **PoreScript: Semi-Automated Pore Size Algorithm for Scaffold Characterization**, D. Jenkins, K. Salhadar, G. Ashby, A. Mishra, J. Cheshire, F. Beltran, M. Grunlan, S. Andrieux, C. Stubenrauch, E. Cosgriff-Hernandez, *Bioactive Materials*, **2022**, 13, 1-8
168. **Gelatin-based foamed and non-foamed hydrogels for sorption and controlled release of metoprolol**, F. Dehli, H. Poole, C. Stubenrauch, A. Southan, *Applied Polymer Materials*, **2021**, 3, 5674-5682
167. **Fluorocarbon vapors suppress Coalescence in Foams**, K. Steck, M. Hamann, S. Andrieux, P. Muller, P. Kéckicheff, C. Stubenrauch, W. Drenckhan, *Adv. Materials Interfaces*, **2021**, 8, 2100723 (1-6)
166. **From water-rich to oil-rich gelled non-toxic microemulsions**, K. Peng, N. Preisig, T. Sottmann, C. Stubenrauch, *PCCP*, **2021**, 23, 16855-16867
165. **Experimental Evidence of a Transition from a Sponge-Like to a Foam-Like Nanostructure in Water-Rich L₃ Phases**, P. Menold, R. Strey, N. Preisig, C. Stubenrauch, *JCIS*, **2021**, 601, 133-142
164. **Gelled non-toxic bicontinuous microemulsions as promising transdermal drug carriers**, K. Peng, T. Sottmann, C. Stubenrauch, *Molecular Physics*, **2021**, 119:15-16, e188636, *Special Issue of Molecular Physics* in memory of the late **Gerhard Findenegg**
163. **Mineral Plastic Foams**, P. Menold, H. Cölfen, C. Stubenrauch, *Materials Horizons*, **2021**, 8, 1222-1229
162. **On how the Morphology affects Water Release of Porous Polystyrene**, M. Hamann, A. Quell, L. Koch, C. Stubenrauch, *Materials Today Communications*, **2021**, 26, 102087 (1-12)
161. **Less is More: Unstable Foams clean better than Stable Foams**, T. Schad, N. Preisig, D. Blunk, H. Piening, W. Drenckhan, C. Stubenrauch, *JCIS*, **2021**, 590, 311-320
160. **Tailoring and visualisation of pore openings in gelatin-based hydrogel foams**, F. Dehli, A. Southan, W. Drenckhan, C. Stubenrauch, *JCIS*, **2021**, 588, 326-335
159. **Porous polymers via emulsion templating: pore deformation during solidification cannot be explained by an osmotic transport!** L. Koch, W. Drenckhan, C. Stubenrauch, *Colloid & Polym. Sci.*, **2021**, 299, 233-242
158. **Intersurfactant H-bonds between Head Groups of *n*-Dodecyl- β -D-Maltoside at the Air-Water Interface**, M. Kanduč, E. Schneck, C. Stubenrauch, *JCIS*, **2021**, 586, 588-595

157. **Emulsion Templating: Unexpected Morphology of Monodisperse Macroporous Polymers**, L. Koch, S. Botsch, C. Stubenrauch, *JCIS*, **2021**, 582, 834-841
156. **Methacrylate-based Polymer Foams with Controllable Pore Sizes and Polydispersities via Foamed Emulsion Templating**, M. L. Dabrowski, C. Stubenrauch, *Adv. Eng. Mat.*, **2020**, 22, 2001013 (1-12)
155. **Formulation of gelled non-toxic bicontinuous microemulsions stabilized by highly efficient alkanoyl methylglucamides**, K. Peng, N. Preisig, T. Sottmann, C. Stubenrauch, *Langmuir*, **2020**, 36, 12692-12701
154. **Surfactant-Based Lyotropic Liquid Crystal Gels – the Interplay between Anisotropic Order and Gel Formation** (Review), K. Steck, S. Dieterich, C. Stubenrauch, F. Giesselmann, *J. Mater. Chem. C*, **2020**, 8, 5335-5348
153. **Formulation and Polymerization of Foamed 1,4-BDDMA-in-Water Emulsions**, M. Dabrowski, M. Hamann, C. Stubenrauch, *RSC Advances*, **2020**, 10, 8917-8926
152. **Monodisperse Liquid Foams via Membrane Foaming**, L. Carballido, M. Dabrowski, F. Dehli, L. Koch, C. Stubenrauch, *JCIS*, **2020**, 568, 46-53
151. **Methacrylate-based Polymer Foams with Controllable Connectivity, Pore Shape, Pore Size and Polydispersity**, M. L. Dabrowski, D. Jenkins, E. Cosgriff-Hernandez, C. Stubenrauch, *PCCP*, **2020**, 22, 155-168
150. **Monodisperse Highly Ordered Chitosan/Cellulose Nanocomposite Foams**, S. Andrieux, L. Medina, M. Herbst, L. Berglund, C. Stubenrauch, *Composites Part A: Applied Science & Manufacturing*, **2019**, 125, 105516
149. **Gelling Lyotropic Liquid Crystals with the Organogelator 1,3:2,4-Dibenzylidene-D-Sorbitol - Part II: Microstructure**, K. Steck, N. Preisig, C. Stubenrauch, *Langmuir*, **2019**, 35, 17142-17149
148. **Gelling Lyotropic Liquid Crystals with the Organogelator 1,3:2,4-Dibenzylidene-D-Sorbitol - Part I: Phase Studies and Sol-Gel Transitions**, K. Steck, C. Stubenrauch, *Langmuir*, **2019**, 35, 17132-17141
147. **How Promoting and Breaking Intersurfactant H-Bonds Impact Foam Stability**, N. Preisig, T. Schad, L. Jacomine, R. Bordes, C. Stubenrauch, *Langmuir*, **2019**, 35, 14999-15008
146. **Hydrogelation with a Water-Insoluble Organogelator - Surfactant Mediated Gelation (SMG)**, K. Aramaki, S. Koitani, E. Takimoto, M. Kondo, C. Stubenrauch, *Soft Matter*, **2019**, 15, 8896-8904
145. **Gelled Non-Toxic Microemulsions: Phase Behavior & Rheology**, K. Peng, T. Sottmann, C. Stubenrauch, *Soft Matter*, **2019**, 15, 8361-8371

144. **How cellulose nanofibrils affect bulk, surface, and foam properties of anionic surfactant solutions**, W. Xiang, N. Preisig, A. Ketola, B.L. Tardy, L. Bai, J.A. Ketoja, C. Stubenrauch, O.J. Rojas, *Biomacromolecules*, **2019**, *20*, 4361-4369
143. **Highly ordered gelatin methacryloyl hydrogel foams with tunable pore size**, F. Dehli, L. Rebers, C. Stubenrauch, A. Southan, *Biomacromolecules*, **2019**, *20*, 2666-2674
142. **Surface activity and foaming capacity of aggregates formed between an anionic surfactant and non-cellulosics leached from wood fibers**, W. Xiang, N. Preisig, Ch. Laine, T. Hjelt, B.L. Tardy, C. Stubenrauch, O.J. Rojas, *Biomacromolecules*, **2019**, *20*, 2286-2294
141. **3D Printing of Functionally Graded Porous Materials Using On-Demand Reconfigurable Microfluidics**, M. Costantini, J. Jaroszewicz, Ł. Kozoń, K. Szlązak, W. Świążkowski, P. Garstecki, C. Stubenrauch, A. Barbeta, J. Guzowski, *Angew. Chem. Int. Ed.*, **2019**, *58*, 7620-7625
140. **Tuning gelled lyotropic liquid crystals (LLCs) – probing the influence of different low molecular weight gelators on the phase diagram of the system H₂O/NaCl – Genapol LA070** K. Steck, J.H. van Esch, D.K. Smith, C. Stubenrauch, *Soft Matter*, **2019**, *15*, 3067-3274
139. **Microstructure of ionic liquid (EAN)-rich and oil-rich microemulsions studied by SANS**, J.C. Thater, C. Stubenrauch, O. Glatter, H. Klemmer, T. Sottmann, *PCCP*, **2019**, *21*, 160-170
138. **The twofold role of 12-hydroxyoctadecanoic acid (12-HOA) in a ternary water – surfactant – 12-HOA system: gelator and co-surfactant**, K. Steck, C. Schmidt, C. Stubenrauch, *Gels*, **2018**, *4*, 78
137. (a) **Emulsion & Foam Templating – Promising Routes to Tailor-Made Porous Polymers** (Minireview), C. Stubenrauch, A. Menner, A. Bismarck, W. Drenckhan, *Angew. Chem. Int. Ed.*, **2018**, *57*, 10024-10032; (b) **Emulsions- und Schaumtemplatierung – vielversprechende Methoden zur Herstellung maßgeschneiderter poröser Polymere** (Minireview), C. Stubenrauch, A. Menner, A. Bismarck, W. Drenckhan, *Angew. Chem.*, **2018**, *130*, 10176-10186
136. **Liquid Foam Templating – A Route to Tailor-Made Polymer Foams** (Review), S. Andrieux, A. Quell, C. Stubenrauch, W. Drenckhan, *Adv. Colloid Interf. Sci.*, **2018**, *256*, 276-290
135. **Generation of solid foams with controlled polydispersity using microfluidics**, S. Andrieux, W. Drenckhan, C. Stubenrauch, *Langmuir*, **2018**, *34*, 1581-1590
134. **On the influence of intersurfactant H-bonds on foam stability: A study with technical grade surfactants**, D. Ranieri, N. Preisig, C. Stubenrauch, *Tenside Surf. Det.*, **2018**, *1*, 6-16
133. **Gelling Lamellar Phases of the Binary System Water – Didodecyldimethylammonium Bromide with an Organogelator**, S. Koitani, S. Dieterich, N. Preisig, K. Aramaki, C. Stubenrauch, *Langmuir*, **2017**, *33*, 12171-12179
132. **Toward Functionally Graded Polymer Foams Using Microfluidics**, J. Elsing, A. Quell, C. Stubenrauch, *Adv. Eng. Mat.*, **2017**, *19*, 1700195 (1-5)
131. **Highly Ordered Biobased Scaffolds: From Liquid to Solid Foams**, S. Andrieux, W. Drenckhan, C. Stubenrauch, *Porous Polymers: A Special Issue of Polymer*, **2017**, *216*, 425-431

130. **Selective Hydrogenation of 3-Hexyn-1-ol with Pd Nanoparticles Synthesized via Microemulsions**, T. Montsch, M. Heuchel, Y. Traa, E. Klemm, C. Stubenrauch, *Applied Catalysis A: General*, **2017**, *539*, 19-28
129. **On How Hydrogen Bonds Affect Foam Stability** (Review), C. Stubenrauch, M. Hamann, N. Preisig, V. Chauhan, R. Bordes, *Adv. Colloid Interf. Sci.*, **2017**, *247*, 435-443
128. **Monodisperse Polystyrene Foams via Polymerization of Foamed Emulsions: Structure and Mechanical Properties**, J. Elsing, T. Stefanov, M. Gilchrist, C. Stubenrauch, *PCCP*, **2017**, *19*, 5477-5485
127. **Diving into the finestructure of macroporous polymer foams synthesised via emulsion templating: a phase diagram study**, A. Quell, T. Sottmann, C. Stubenrauch, *Langmuir*, **2017**, *33*, 537-542
126. **Creating Honeycomb Structures in Porous Polymers by Osmotic Transport**, A. Quell, S. Heitkam, W. Drenckhan, C. Stubenrauch, *ChemPhysChem*, **2017**, *18*, 451-454
125. **Microemulsions with Hydrophobic Ionic Liquids: Influence of the Structure of the Anion**, J. Porada, M. Mansueto, S. Laschat, C. Stubenrauch, *J. Mol. Liq.*, **2017**, *227*, 202-209
124. **Tyrosine-Based Ionic Liquid Crystals: Switching from Smectic A to Columnar Mesophase by Exchange of Spherical Counterion**, M. M. Neidhardt, M. Wolfrum, S. Beardsworth, T. Wöhrle, W. Frey, A. Baro, C. Stubenrauch, F. Giesselmann, S. Laschat, *Chem. Eur. J.*, **2016**, *22*, 16494-16504
123. **About the nanostructure of the ternary system water – [BMIm]PF₆ – TX-100**, H. Bilgili, M. Bürger, C. Stubenrauch, J. H. Porada, *JCIS*, **2016**, *484*, 237-248
122. **Tailored Ionic Liquid-Based Surfactants for the Formation of Microemulsions with Water and a Hydrophobic Ionic Liquid**, J. H. Porada, D. Zauser, B. Feucht, C. Stubenrauch, *Soft Matter*, **2016**, *12*, 6352-6356
121. **How the Locus of Initiation Influences the Morphology and the Pore Connectivity of a Monodisperse Polymer Foam**, A. Quell, B. de Bergolis, W. Drenckhan, C. Stubenrauch, *Macromolecules*, **2016**, *49*, 5059-5067
120. **Phosphine Oxide Surfactants Revisited** (Review), C. Stubenrauch, N. Preisig, R. Laughlin, *Adv. Colloid Interf. Sci.*, **2016**, *230*, 2-12
119. **Alcohol as Tuning Parameter in an IL-containing Microemulsion: The Quaternary System EAN – *n*-Octane – C₁₂E₃ – 1-Octanol**, J. C. Thater, T. Sottmann, C. Stubenrauch, *COLSUA*, **2016**, *494*, 139-146
118. **Reactive Extraction of Lactic Acid using Tri-*n*-Octylamine: Structure of the Ionic Phase**, M. Aimer, E. Klemm, B. Langanke, H. Gehrke, C. Stubenrauch, *Chem. Eur. J.*, **2016**, *22*, 3268-3272

117. (a) **Gelled Complex Fluids: Combining Unique Structures with Mechanical Stability** (Review), C. Stubenrauch, F. Gießelmann, *Angew. Chem. Int. Ed.*, **2016**, *55*, 3268-3275; (b) **Gelierte Komplexe Fluide: Die Verbindung einzigartiger Strukturen mit mechanischer Stabilität** (Review), C. Stubenrauch, F. Gießelmann, *Angew. Chem.*, **2016**, *128*, 3324-3332
116. **Activity of Squalene-Hopene Cyclases in Bicontinuous Microemulsions**, A. K. Steudle, B. M. Nestl, B. Hauer, C. Stubenrauch, *COLSUB*, **2015**, *135*, 735-741
115. **Gelled Lyotropic Liquid Crystals**, Y. Xu, M. Laupheimer, N. Preisig, T. Sottmann, C. Schmidt, C. Stubenrauch, *Langmuir*, **2015**, *31*, 8589-8598
114. **α_s -Casein – PE6400 mixtures: Thermodynamics of micelle formation**, A. Kessler, J. Weiss, C. Stubenrauch, *Tenside Surf. Det.*, **2015**, *52*, 351-361 (cover picture)
113. **Conformation and Activity of Lipase B from *Candida antarctica* in Bicontinuous Microemulsions**, M. Subinya, A. K. Steudle, T. P. Jurkowski, C. Stubenrauch, *COLSUB*, **2015**, *131*, 108-114
112. **Monodisperse Polystyrene Foams via Microfluidics – A Novel Templating Route**, A. Quell, J. Elsing, W. Drenckhan, C. Stubenrauch, *Adv. Eng. Mat.*, **2015**, *17*, 604-609 (back cover picture & press release)
111. **The Molecular Organogel *n*-Decane / 12-Hydroxyoctadecanoic Acid: Sol-Gel Transition, Rheology, and Microstructure**, M. Laupheimer, N. Preisig, C. Stubenrauch, *COLSUA*, **2015**, *469*, 315-325
110. **Effect of sodium halides on the surface structure of foam films stabilized by a non-ionic surfactant**, Ch. Ridings, C. Stubenrauch, G. Andersson, *J. Phys. Chem. C*, **2015**, *119*, 441-448
109. **Effects of Protonation on Foaming Properties of Dodecyldimethylammonium Oxide Solutions: A pH-study**, K. Schellmann, N. Preisig, P. Claesson, C. Stubenrauch, *Soft Matter*, **2015**, *11*, 561-571
108. **Pt Nanoparticles via Oil-in-Water Microemulsions stabilized by a technical grade surfactant: an economical and ecological approach**, R. Y. G. König, C. Stubenrauch, *Tenside Surf. Det.*, **2015**, *52*, 106-111 (cover picture)
107. **Nanoparticles via Oil-in-Water Microemulsions: a solvent-reduced, energy-efficient approach**, R.Y.G. König, C. Schlick, W. Sigle, C. Stubenrauch, *Z. Phys. Chem.*, **2015**, *229*(7-8), 1041-1054 - *Special Issue: Self-Assembled Soft Matter Nano-Structures at Interfaces Dedicated to Gerhard Findenegg on the occasion of his 75th birthday; R. v. Klitzing, M. Gradzielski (eds.)*
106. **Hydrolysis of hydrophobic esters in a bicontinuous microemulsion catalysed by lipase B from *Candida antarctica***, A. K. Steudle, M. Subinya, B. Nestl, C. Stubenrauch, *Chem. Eur. J.*, **2015**, *21*, 2691-2700
105. **Studying orthogonal self-assembled systems: microstructure of gelled bicontinuous microemulsions**, M. Laupheimer, T. Sottmann, R. Schweins, C. Stubenrauch, *Soft Matter*, **2014**, *10*, 8744-8757

104. **Microemulsions with the Ionic Liquid Ethylammonium Nitrate: Phase Behavior, Composition, Microstructure**, J. C. Thater, V. M. F. Gérard, C. Stubenrauch, *Langmuir*, **2014**, *30*, 8283-8289
103. **Catalytic Activity of Mono- and Bimetallic Nanoparticles synthesized via Microemulsions**, R. Y.G. König, M. Schwarze, R. Schomäcker, C. Stubenrauch, *Catalysts*, **2014**, *4*, 256-275
102. **Comparison between Generation of Foams and Single Vertical Films - Single and Mixed Surfactant Systems**, L. Saulnier, J. Boos, C. Stubenrauch, E. Rio, *Soft Matter*, **2014**, *10*, 5280-5288
101. **α_s -Casein – PE6400 mixtures: Surface Properties, Miscibility, and Self-Assembly**, A. Kessler, O. Menéndez-Aguirre, J. Hinrichs, C. Stubenrauch, J. Weiss, *COLSUB*, **2014**, *118*, 49-56
100. **Physico-Chemical Aspects of Lipase B from *Candida antarctica* in Bicontinuous Microemulsions**, M. Subinya, A.K. Steudle, B. Nestl, B. Nebel, B. Hauer, C. Stubenrauch, S. Engelskirchen, *Langmuir*, **2014**, *30*, 2993-3000
99. **Transmission measurements as tool to study phase transitions of liquid mixtures**, M. Laupheimer, C. Stubenrauch, *Tenside Surf. Det.*, **2014**, *51*, 17-25
98. **α_s -Casein – PE6400 Mixtures: A Fluorescence Study**, A. Kessler, O. Menéndez-Aguirre, J. Hinrichs, C. Stubenrauch, J. Weiss, *Faraday Discussions*, **2013**, *166*, 399-416
97. **Properties of an α_s -casein rich casein fraction: influence of dialysis on surface properties, miscibility and micelle formation**, A. Kessler, O. Menéndez-Aguirre, J. Hinrichs, C. Stubenrauch, J. Weiss, *J. Dairy Sci.*, **2013**, *96*, 5575-90
96. **Dilational Surface Rheology Studies of *n*-Dodecyl- β -D-Maltoside, Hexaethyleneglycol Monododecyl Ether, and their 1:1 Mixture** (Review), J. Boos, N. Preisig, C. Stubenrauch, *Adv. Colloid Interf. Sci.*, **2013**, *197-198*, 108-117
95. **Studying orthogonal self-assembled systems: Phase behaviour and rheology of gelled microemulsions**, M. Laupheimer, K. Jovic, F. E. Antunes, M. da Graça Martins Miguel, C. Stubenrauch, *Soft Matter*, **2013**, *9*, 3661-3670
94. **Free Drainage of Aqueous Foams stabilized by Mixtures of a non-ionic (C₁₂DMPO) and an ionic (C₁₂TAB) surfactant**, E. Carey, C. Stubenrauch, *COLSUA*, **2013**, *419*, 7-14
93. **Protocol for Studying Aqueous Foams stabilized by Surfactant Mixtures**, J. Boos, W. Drenckhan, C. Stubenrauch, *J Surfact Deterg.*, **2013**, *16*, 1-12 (*Distinguished Paper Award of the American Cleaning Institute 2013*)
92. **Porous “Sponge-like” Anatase TiO₂ via Polymer Templates: Synthesis, Characterization & Performance as a Light Scattering Material**, L. Szymanski, P. Surolia, O. Byrne, K. Ravindranathan Thampi, C. Stubenrauch, *Colloid Polym. Sci.*, **2013**, *291*, 805-815
91. **A New Fluorinated Inositol-Based Surfactant**, N. Bongartz, S.R. Patil, C. Stubenrauch, D. Blunk, *COLSUA*, **2012**, *414*, 320-326

90. **On how Surfactant Depletion during Foam Generation Influences Foam Properties**, J. Boos, W. Drenckhan, C. Stubenrauch, *Langmuir*, **2012**, 28, 9303-9310
89. **Structural evolution in the isotropic channel of a water – non-ionic surfactant system that has a disconnected lamellar phase: A ¹H-NMR self-diffusion study**, C. Stubenrauch, F. Kleinschmidt, C. Schmidt, *Langmuir*, **2012**, 28, 9206-9210
88. **Adsorption of Sugar Surfactants at the Air/Water Interface**, I. Varga, R. Mészáros, C. Stubenrauch, T. Gilányi, *J. Colloid Interface Sci.*, **2012**, 379, 78-83
87. **Novel Ethoxylated Inositol Derivatives - Hybrid Carbohydrate / Oligoethylene Oxide Surfactants**, G. Catanoiu, D. Blunk, C. Stubenrauch, *J. Colloid Interface Sci.*, **2012**, 371, 82-88
86. (a) **Synthesis of Macroporous Polystyrene by the Polymerization of Foamed Emulsions**, F. Schüler, D. Schamel, A. Salonen, W. Drenckhan, M. Gilchrist, C. Stubenrauch, *Angew. Chem. Int. Ed.*, **2012**, 51, 2213-2217; (b) **Synthese von makroporösem Polystyrol durch Polymerisation geschäumter Emulsionen**, F. Schüler, D. Schamel, A. Salonen, W. Drenckhan, M. Gilchrist, C. Stubenrauch, *Angew. Chem.*, **2012**, 124, 2256-2260
85. **Synthesis of novel phasmidic, gemini-type bisimidazolium-salts**, J.H. Porada, M. Mansueto, S. Laschat, C. Stubenrauch, F. Gießelmann, *SYNTHESIS*, **2011**, 18, 3032-3036
84. **Microemulsions with Novel Hydrophobic Ionic Liquids**, J.H. Porada, M. Mansueto, S. Laschat, C. Stubenrauch, *Soft Matter*, **2011**, 7, 6805-6810
83. **Size control of PtPb intermetallic nanoparticles prepared via microemulsions**, L.M. Magno, W. Sigle, P.A. van Aken, D. Angelescu, C. Stubenrauch, *PCCP*, **2011**, 13, 9134-9136
82. **Colloid and Interfacial Chemistry at Stuttgart University: An Overview of Past, Current, and Planned Research Activities**, R. Baum, J. Boos, E. Carey, G. Catanoiu, S. Engelskirchen, B. Feucht, M. Laupheimer, J. Porada, F. Schüler, L. Szymanski, D. Zausser, C. Stubenrauch, *Tenside Surf. Det.*, **2011**, 48, 250-255 (cover picture)
81. **Bicontinuous microemulsion as reaction medium for ω -transaminase catalysed biotransformations**, M. Laupheimer, S. Engelskirchen, K. Tauber, W. Kroutil, C. Stubenrauch, *Tenside Surf. Det.*, **2011**, 48, 28-33 (cover picture)
80. **Microemulsions as Reaction Media for the Synthesis of Pt Nanoparticles**, L.M. Magno, D. Angelescu, W. Sigle, C. Stubenrauch, *PCCP*, **2011**, 13, 3048-3058
79. **Evaluation of a Steady-State Test of Foam Stability**, S. Hutzler, D. Löscher, E. Carey, D. Weaire, M. Hloucha, C. Stubenrauch, *Phil. Mag.*, **2011**, 91, 537-552
78. **Partition Coefficients of Nonionic Surfactants in Water / *n*-Alkane Systems**, G. Catanoiu, E. Carey, S.R. Patil, S. Engelskirchen, C. Stubenrauch, *J. Colloid Interface Sci.*, **2011**, 355, 150-156
77. **Monte Carlo Simulation of the size and composition of bimetallic nanoparticles synthesized in w/o-microemulsions**, D.G. Angelescu, M. Magno, C. Stubenrauch, *J. Phys. Chem. C*, **2010**, 114, 22069-22078

76. **Microemulsions as Reaction Media for the Synthesis of Bimetallic Nanoparticles: Size and Composition of Particles**, L.M. Magno, W. Sigle, P.A. van Aken, D. Angelescu, C. Stubenrauch, *Chem. Mat.*, **2010**, *22*, 6263-6271
75. **A Disjoining Pressure Study of Formamide Foam Films Stabilized by Surfactants**, G. Andersson, E. Carey, C. Stubenrauch, *Langmuir*, **2010**, *26*, 7752-7760
74. **Foaming Properties of Mixtures of a Non-Ionic (C₁₂DMPO) and an Ionic Surfactant (C₁₂TAB)**, E. Carey, C. Stubenrauch, *J. Colloid Interface Sci.*, **2010**, *346*, 414-423
73. **Bottle-Brush Polymers: Adsorption at Surfaces and Interactions with Surfactants** (Review), P.M. Claesson, R. Makuska, I. Varga, R. Mészáros, S. Titmuss, P. Linse, J. S. Pedersen, C. Stubenrauch, *Adv. Colloid Interf. Sci.*, **2010**, *155*, 50-57
72. **Complexes of Surfactants with Oppositely Charged Polymers at Surfaces and in Bulk** (Review), C.D. Bain, P.M. Claesson, D. Langevin, R. Mészáros, T. Nylander, C. Stubenrauch, S. Titmuss, R. von Klitzing, *Adv. Colloid Interf. Sci.*, **2010**, *155*, 32-49
71. **Confinement of Linear Polymers, Surfactants, and Particles between Interfaces** (Review), R. von Klitzing, E. Thormann, T. Nylander, D. Langevin, C. Stubenrauch, *Adv. Colloid Interf. Sci.*, **2010**, *155*, 19-31
70. **Mixtures of *n*-Dodecyl- β -D-maltoside and Hexaoxyethylene Dodecyl Ether: Surface Properties, Bulk Properties, Foam Films, and Foams** (Review), C. Stubenrauch, P.M. Claesson, M. Rutland, E. Maney, I. Johansson, J.S. Pedersen, D. Langevin, D. Blunk, C.D. Bain, *Adv. Colloid Interf. Sci.*, **2010**, *155*, 5-18
69. **A Disjoining Pressure Study of Foam Films Stabilized by Mixtures of a Nonionic (C₁₂DMPO) and an Ionic Surfactant (C₁₂TAB)**, E. Carey, C. Stubenrauch, *J. Colloid Interface Sci.*, **2010**, *343*, 314-323
68. **Gelled Polymerizable Microemulsions. 3. Rheology**, M. Magno, R. Tessendorf, B. Medronho, M. da Graça Martins Miguel, C. Stubenrauch, *Soft Matter*, **2009**, *5*, 4763-4772
67. **Phase diagrams of non-ionic microemulsions containing reducing agents and metal salts as bases for the synthesis of bimetallic nanoparticles**, M. Magno, D.G. Angelescu, C. Stubenrauch, *COLSUA*, **2009**, *348*, 116-123
66. **Aqueous Foams stabilized by *n*-Dodecyl- β -D-Maltoside, Hexaethyleneglycol Monododecyl Ether, and their 1:1 Mixture**, C. Stubenrauch, L.K. Shrestha, D. Varade, I. Johansson, G. Olanya, K. Aramaki, P. Claesson, *Soft Matter*, **2009**, *5*, 3070-3080
65. **Syntheses, Amphitropic Liquid Crystallinity, and Surface Activity of New Inositol-Based Amphiphiles**, D. Blunk, N. Bongartz, C. Stubenrauch, V. Gärtner, *Langmuir*, **2009**, *25*, 7872-7878
64. **Comment on "Gelation of microemulsions and release behavior of sodium salicylate from gelled microemulsions"**, *Eur. J. Pharm. Biopharm.*, **2009**, *71*, 297, C. Stubenrauch, T. Sottmann, R. Strey, I. Lynch, *Eur. J. Pharm. Biopharm.*, **2009**, *72*, 632

63. **Highly Structured Porous Solids from Liquid Foam Templates**, A. van der Net, A. Gryson, M. Ranft, F. Elias, C. Stubenrauch, W. Drenckhan, *COLSUA*, **2009**, 346, 5-10 (Materials Science: Foam Finesse, *Nature*, **2009**, 460, 668)
62. **Properties of Aqueous Foams stabilized by Dodecyltrimethylammonium Bromide (C₁₂TAB)**, E. Carey, C. Stubenrauch, *J. Colloid Interface Sci.*, **2009**, 333, 619-627
61. **On the Stratification of Foam Films containing Polyelectrolytes. Influence of the Polymer Backbone's Rigidity**, F. Kleinschmidt, C. Stubenrauch, J. Delacotte, R. von Klitzing, D. Langevin, *J. Phys. Chem. B*, **2009**, 113, 3972-3980 (Memorial Pierre G. de Gennes)
60. **Phase Diagrams of Microemulsions containing Reducing Agents and Metal Salts as Bases for the Synthesis of Metallic Nanoparticles**, R. Najjar, C. Stubenrauch, *J. Colloid Interface Sci.*, **2009**, 331, 214-220
59. **Phase Behavior and Microstructure of Microemulsions Containing the Hydrophobic Ionic Liquid bmimPF₆**, N. Anjum, M.-A. Guedeau-Boudeville, C. Stubenrauch, A. Mourchid, *J. Phys. Chem. B*, **2009**, 113, 239-244
58. **Microemulsions with Alkyldimethyl Phosphine Oxides and Alkyldiethyl Phosphine Oxides** R. Tessendorf, R. Strey, C. Stubenrauch, *Langmuir*, **2008**, 24, 11390-11398
57. **Gelled Polymerizable Microemulsions. 2. Microstructure** C. Stubenrauch, R. Tessendorf, A. Salvati, D. Topgaard, T. Sottmann, R. Strey, I. Lynch, *Langmuir*, **2008**, 24, 8473-8482
56. **Conductivity Measurements as a Method for Studying Ionic Technical Grade Surfactants** E. Carey, S.R. Patil, C. Stubenrauch, *Tenside Surf. Det.*, **2008**, 3, 120-125
55. **Binary Mixtures of β -Dodecylmaltoside (β -C₁₂G₂) with Cationic and Non-Ionic Surfactants: Micelle and Surface Compositions** S.R. Patil, N. Buchavzov, E. Carey, C. Stubenrauch, *Soft Matter*, **2008**, 4, 840-848
54. **Microemulsions as Templates for the Synthesis of Metallic Nanoparticles** C. Stubenrauch, T. Wielpütz, T. Sottmann, C. Roychowdhury, F. J. DiSalvo, *Colloids and Surfaces A*, **2008**, 317, 328-338
53. **Phase Diagrams of Water - Alkyltrimethylammonium Bromide Systems** D. Varade, K. Aramaki, C. Stubenrauch, *Colloids and Surfaces A*, **2008**, 315, 205-209
52. **Adsorption of alkyl trimethylammonium bromides at the air/water interface** T. Gilányi, I. Varga, C. Stubenrauch, R. Mészáros, *J. Colloid Interface Sci.*, **2008**, 317, 395-401
51. **A New Ethoxylated Inositol Surfactant** G. Catanoiu, V. Gärtner, C. Stubenrauch, D. Blunk, *Langmuir*, **2007**, 23, 12802-12805
50. **Comment on "Hydrophobic Forces in the Foam Films Stabilized by Sodium Dodecyl Sulfate: Effect of Electrolyte" and Subsequent Criticism** C. Stubenrauch, D. Langevin, D. Exerowa, E. Manev, P.M. Claesson, L.B. Boinovich, R. von Klitzing, *Langmuir*, **2007**, 23, 12457-12460

49. **Die Träume von den Schäumen** (Invited Review), J. Schulze-Schlarmann, C. Stubenrauch, *Chem. Unserer Zeit*, **2007**, *41*, 364-374
48. **Interfacial Tensions, Partition Coefficients, and Interfacial Elasticities: Measures for Emulsion Stability?**
N. Buchavzov, F. Ravera, S. Hess, Y. Liu, U. Steinbrenner, C. Stubenrauch, *Tenside Surf. Det.*, **2007**, *44*, 230-238
47. **Purification, Surface Tensions, and Miscibility Gaps of Alkyldimethyl and Alkyldiethyl Phosphine Oxides**, D. Blunk, R. Tessendorf, N. Buchavzov, R. Strey, C. Stubenrauch, *J. Surf. Det.*, **2007**, *10*, 155-165
46. **Drainage of Foam Films stabilized with Mixtures of Non-ionic Surfactants**
J. Angarska, C. Stubenrauch, E. Manev, *Colloids and Surfaces A*, **2007**, *309*, 189-197
45. **Gelled Polymerizable Microemulsions. 1. Phase Behavior**
C. Stubenrauch, R. Tessendorf, R. Strey, I. Lynch, K. Dawson, *Langmuir*, **2007**, *23*, 7730-7737
44. **Coexisting lamellar phases in water – oil – surfactant systems induced by the addition of an amphiphilic block copolymer** (Invited Article), C. Frank, R. Strey, C. Schmidt, C. Stubenrauch, *J. Colloid Interface Sci.*, **2007**, *312*, 76-86
43. **A Disjoining Pressure Study of Foam Films Stabilized by Mixtures of Nonionic and Ionic Surfactants**, N. Buchavzov, C. Stubenrauch, *Langmuir*, **2007**, *23*, 5315-5323
42. **A surface rheological study of non-ionic surfactants at the water-air interface and the stability of the corresponding thin foam films**, E. Santini, F. Ravera, M. Ferrari, C. Stubenrauch, A. Makievski, J. Krägel, *Colloids and Surfaces A*, **2007**, *298*, 12-21
41. **A pH-Study of *n*-Dodecyl- β -D-maltoside Foam Films**
C. Stubenrauch, R. Cohen, D. Exerowa, *Langmuir*, **2007**, *23*, 1684-1693
40. **Surface elasticities of aqueous β -dodecyl-D-maltoside solutions: a capillary wave study**
D. Grigoriev, C. Stubenrauch, *Colloids and Surfaces A*, **2007**, *296*, 67-75
39. **New Speciality Surfactants with Natural Structural Motifs** (Invited Review), D. Blunk, P. Bierganns, N. Bongartz, R. Tessendorf, C. Stubenrauch, *New J. Chem.*, **2006**, *30*, 1705-1717
38. **Short-range interactions between non-ionic surfactant layers** (Invited Review), P. Claesson, M. Kjellin, O. Rojas, C. Stubenrauch, *PCCP*, **2006**, *8*(47), 5501-5514
37. **Disconnected lamellar phases (L_{α}) in pseudobinary water – non-ionic surfactant systems: a general phenomenon**, D. Varade, H. Kunieda, R. Strey, C. Stubenrauch, *J. Colloid Interface Sci.*, **2006**, *300*, 338-347
36. **A disjoining pressure study of foam films stabilized by tetradecyl trimethylammonium bromide C₁₄TAB**, J. Schulze-Schlarmann, N. Buchavzov, C. Stubenrauch, *Soft Matter*, **2006**, *2*, 584-594

35. **Interactions Between Non-Polar Surfaces Coated with the Non-Ionic Surfactant Dodecyl β -D-maltoside β -C₁₂G₂**, O.J. Rojas, C. Stubenrauch, J. Schulze-Schlarman, P.M. Claesson, *Langmuir*, **2005**, 21(25), 11836-11843
34. **Revision of the adsorption behavior of the non-ionic surfactant tetraoxyethylene decylether C₁₀E₄ at the water/air interface**, J. Schulze-Schlarman, C. Stubenrauch, R. Miller, *Tenside Surf. Det.*, **2005**, 42(5), 307-313
33. **New Equation of State for Thin Foam Films**
C. Stubenrauch, R. Strey, *J. Phys. Chem. B*, **2005**, 109(42), 19798-19805
32. **Influence of amphiphilic block copolymers on lyotropic liquid crystals in water - oil - surfactant systems**, C. Frank, T. Sottmann, C. Stubenrauch, J. Allgaier, R. Strey, *Langmuir*, **2005**, 21(20), 9058-9067
31. **Comment on: "Stability of Soap Films: Hysteresis and Nucleation of Black Films"**
written by Casteletto *et al.*, *Physical Review Letters*, **2003**, 90, 048302
C. Stubenrauch, D. Langevin, D. Exerowa, *Phys. Rev. Lett.*, **2005**, 95, 088901
30. **Gut verpackt? Neue Verpackungsmaterialien für Lebensmittel** (Invited Review)
C. Stubenrauch, *Chem. Unserer Zeit*, **2005**, 39(5), 310-316
29. **Foams and Foam Films stabilized by C_nTAB: influence of the chain length and of impurities**, C. Stubenrauch, Kh. Khristov, *J. Colloid Interface Sci.*, **2005**, 286, 710-718
28. **Adsorption behaviour and dilatational rheology of the cationic alkyl trimethylammonium bromides at the water/air interface**, C. Stubenrauch, V.B. Fainerman, E.V. Aksenenko, R. Miller, *J. Phys. Chem. B*, **2005**, 109, 1505-1509
27. **What do a Foam Film and a Real Gas have in common? Construction and Interpretation of Phase Diagrams!** (Invited Minireview), C. Stubenrauch, *ChemPhysChem*, **2005**, 6, 35-42
26. **Comparison between interaction forces at air/liquid and solid/liquid interfaces in the presence of non-ionic surfactants**
C. Stubenrauch, J. Schlarman, O.J. Rojas, P.M. Claesson, *Tenside Surf. Det.*, **2004**, 41, 174-179
25. **Phase Diagrams of Nonionic Foam Films: New Interpretation of Disjoining Pressure versus Thickness Curves**, C. Stubenrauch, R. Strey, *Langmuir*, **2004**, 20, 5185-5188
24. **Phase Diagrams of Nonionic Foam Films: Construction by means of Disjoining Pressure versus Thickness Curves**, C. Stubenrauch, D. Kashchiev, R. Strey, *J. Colloid Interface Sci.*, **2004**, 280, 244-255
23. **Interactions between non-polar Surfaces coated with the non-ionic Surfactant Hexaoxyethylene Dodecylether C₁₂E₆ and the Origin of Surface Charges at the Air/Water Interface**, C. Stubenrauch, O.J. Rojas, J. Schlarman, P.M. Claesson, *Langmuir*, **2004**, 20, 4977-4988
22. **Stability of foam films and surface rheology: an oscillating bubble study at low frequencies**, C. Stubenrauch, R. Miller, *J. Phys. Chem. B*, **2004**, 108, 6412-6421

21. **Freeze Fracture Direct Imaging: A Hybrid Method in Preparing Specimen for Cryo-TEM**
L. Belkoura, C. Stubenrauch, R. Strey, *Langmuir*, **2004**, *20*, 4391-4399
20. **A new approach to lamellar phases (L_{α}) in water - nonionic surfactant systems**
C. Stubenrauch, S. Burauer, R. Strey, C. Schmidt, *Liquid Crystals*, **2004**, *31*, 39-53
19. **A new experimental method to measure the drainage and lifetime of foams**
C. Stubenrauch, A.V. Makievski, Kh. Khristov, D. Exerowa, R. Miller, *Tenside Surf. Det.*, **2003**, *40*, 196-201
18. **Stabilization of foam films with non-ionic surfactants: alkyl polyglycol ethers compared with alkyl polyglucosides**, J. Schlarmann, C. Stubenrauch, *Tenside Surf. Det.*, **2003**, *40*, 190-195
17. **Bicontinuous microemulsions revisited: A new approach to freeze fracture electron microscopy (FFEM)**
S. Burauer, L. Belkoura, C. Stubenrauch, R. Strey, *Colloids and Surfaces A*, **2003**, *228*, 159-170
16. **Disjoining pressure in thin liquid foam and emulsion films** (Invited Review), C. Stubenrauch, R. von Klitzing, *J. Phys.: Condens. Matter*, **2003**, *15*, R1197-R1232
15. **Correlation between film properties and the purity of surfactants**
J. Schlarmann, C. Stubenrauch, R. Strey, *Phys. Chem. Chem. Phys.*, **2003**, *5*, 184-191
14. **A disjoining pressure study of *n*-dodecyl- β -D-maltoside films**
C. Stubenrauch, J. Schlarmann, R. Strey, *Phys. Chem. Chem. Phys.*, **2002**, *4*, 4504-4513 and *Phys. Chem. Chem. Phys.*, **2003**, *5*, 2736-2737 (erratum)
13. **Lyotropic mesophases next to highly efficient microemulsions: a ^2H -NMR study**
C. Stubenrauch, C. Frank, R. Strey, D. Burgemeister, C. Schmidt, *Langmuir*, **2002**, *18*, 5027-5030
12. **On foam stability and disjoining pressure isotherms**
C. Stubenrauch, *Tenside Surf. Det.*, **2001**, *38*, 350-355
11. **Purification of nonionic alkyl polyglycoether (C_iE_j) surfactants: the "inverse" 3PHEX technique**
C. Stubenrauch, J. Schlarmann, T. Sottmann, R. Strey, *J. Colloid Interface Sci.*, **2001**, *244*, 447-449
10. **Sugar surfactants – aggregation, interfacial, and adsorption phenomena** (Invited Review), C. Stubenrauch, *Curr. Opin. Colloid Interface Sci.*, **2001**, *6*, 160-170
9. **Temperature-insensitive microemulsions formulated from octyl monoglucoside and alcohols: potential candidates for applications**
K. Kluge, C. Stubenrauch, T. Sottmann, R. Strey, *Tenside Surf. Det.*, **2001**, *38*, 30-40
8. **Polymer/surfactant-complexes at the water/air interface: A surface tension and X-ray reflectivity study**
C. Stubenrauch, P.-A. Albouy, R. von Klitzing, D. Langevin, *Langmuir*, **2000**, *16*, 3206-3213

7. **Microemulsion systems based on a C_{8/10} alkyl polyglucoside: a reentrant phase inversion induced by alcohols?** C. Stubenrauch, S. Mehta, B. Paepflow, G. H. Findenegg, *Progr. Colloid Polym. Sci.*, **1998**, *111*, 92-99
6. **Microemulsions supported by octyl monoglucoside and geraniol. Part 2: A NMR self-diffusion study of the microstructure** C. Stubenrauch, G. H. Findenegg, *Langmuir*, **1998**, *14*, 6005-6012
5. **Microemulsions supported by octyl monoglucoside and geraniol. Part 1: The role of the alcohol in the interfacial layer**
C. Stubenrauch, B. Paepflow, G. H. Findenegg, *Langmuir*, **1997**, *13*, 3652-3658
4. **The Importance of the Emulsifying and Dispersing Capacity of Alkyl Polyglycosides for Applications in Detergent and Cleaning Agents**
D. Nickel, W. von Rybinski, E. Kutschmann, C. Stubenrauch, G. Findenegg, *Fett/Lipid*, **1996**, *98*, 363-369
3. **NMR self-diffusion study of aqueous solutions of tetraoxyethylene n-octyl ether (C₈E₄)**
C. Stubenrauch, M. Nydén, G.H. Findenegg, B. Lindman, *J. Phys. Chem.*, **1996**, *100*, 17028-17033
2. **Phase behavior of the quaternary system water - decane - decyl monoglucoside - decanol**
C. Stubenrauch, E.-M. Kutschmann, B. Paepflow, G.H. Findenegg, *Tenside Surf. Det.*, **1996**, *33*, 237-241
1. **Mixtures of branched non-ionic oligo-oxyethylene surfactants in aqueous solutions – the effect of molecular geometry on LC phase behavior 4**
K. Kratzat, C. Stubenrauch, H. Finkelmann, *Colloid Polym. Sci.*, **1995**, *273*, 257-262

Book Chapters

B7. Measuring the Interfacial Behavior of Sugar-Based Surfactants to Link Molecular Structure and Uses

W. Xiang, B. Tardy, L. Bai, C. Stubenrauch, O. J. Rojas, In *Biobased Surfactants: Synthesis, Properties, and Applications*, D. Hayes, D. Solaiman, R. Ashby (Eds.), 2nd Edition, Academic Press and AOCS Press, Urbana, **2019**, chapter 12, p.387-412 (eBook ISBN 9780128127063, Paperback ISBN 9780128127056)

B6. Interfacial Properties of Sugar-Based Surfactants

O. Rojas, C. Stubenrauch, L. Lucia, Y. Habibi, In *Biobased Surfactants and Detergents: Synthesis, Properties, and Applications*, D. Hayes, D. Kitamoto D. Solaiman, R. Ashby (Eds.), AOCS Press, Urbana, **2009**, chapter 16, p.449-472 (ISBN 978-1-8939-9767-7)

B5. Thin Film and Foam Properties of Sugar-Based Surfactants

P. Claesson, C. Stubenrauch, R. Krustev, I. Johansson, In *Sugar-Based Surfactants: Fundamentals and Applications*, C.C. Ruiz (Ed.), Taylor & Francis, CRC Press, Boca Raton, **2009**, chapter 4, p.105-151 (ISBN 978-1-4200-5167-4)

B4. Microemulsions stabilized by Sugar Surfactants

C. Stubenrauch, T. Sottmann, In *Sugar-Based Surfactants: Fundamentals and Applications*, C.C. Ruiz (Ed.), Taylor & Francis, CRC Press, Boca Raton, **2009**, chapter 12, p.463-499 (ISBN 978-1-4200-5167-4)

B3. Phase Behavior, Interfacial Tension, and Microstructure of Microemulsions

T. Sottmann, C. Stubenrauch, In *Microemulsions: Background, New Concepts, Applications, Perspectives*, C. Stubenrauch (Ed.), John Wiley & Sons, Oxford, **2009**, chapter 1, p.1-47 (ISBN 978-1-4051-6782-6)

B2. Future Challenges

C. Stubenrauch, R. Strey, In *Microemulsions: Background, New Concepts, Applications, Perspectives*, C. Stubenrauch (Ed.), John Wiley & Sons, Oxford, **2009**, chapter 11, p.345-366 (ISBN 978-1-4051-6782-6)

B1. Foam Films, Foams and Surface Rheology of Non-Ionic Surfactants: Amphiphilic Block Copolymers Compared with Low Molecular Weight Surfactants

C. Stubenrauch, B. Rippner-Blomqvist, In *Colloid Stability: The Role of Surface Forces, Part 1*, Colloid and Interface Science Series, T. Tadros (Ed.), Wiley-VCH, Weinheim, **2006**, chapter 11, p. 263-306

Editorship

E3. Special Issue entitled *Kolloidtagung 2019*, C. Stubenrauch, P. Fischer, F. Gießelmann, Th. Sottmann (Eds.), *Colloid and Polymer Science*, Springer, Cham (2021), vol. 299

E2. Special Issue entitled *Self-Organisation under Confinement – SOCON*, C. Stubenrauch, R. Miller (Eds.), *Adv. Colloid Interface Sci.*, Elsevier, Amsterdam (2010), vol. 155, issues 1-2, p. 1-58

E1. Microemulsions: Background, New Concepts, Applications, Perspectives

C. Stubenrauch (Ed.), John Wiley & Sons, Oxford (2009), ISBN 978-1-4051-6782-6

Proceedings (Extended Abstracts)

P14. **Tuning gelled lyotropic liquid crystals (LLCs) – probing the influence of different low molecular weight gelators on the phase diagram of the system H₂O/NaCl – Genapol LA070**, K. Steck, J.H. van Esch, D.K. Smith, C. Stubenrauch, *Proceedings*, 46. Arbeitstagung Flüssigkristalle **2019**

P13. **New Inositol Derivatives and their Supramolecular Properties**, G. Catanoiu, D. Blunk, C. Stubenrauch, *Proceedings*, 38. Arbeitstagung Flüssigkristalle, **2010**

P12. **New surface active inositol derivatives**, D. Blunk, C. Stubenrauch, *Proceedings*, 44th International wfk Detergency Conference, **2009**

P11. **Effect of nonionic surfactants on the thinning and critical thickness of foam films stabilized by *n*-Dodecyl- β -D-Maltoside**, Z. Angarska, C. Stubenrauch, E. Manev, *Proceedings*, 3rd International Conference on Colloid Chemistry and Physicochemical Mechanics IC-CCPCM, **2008**

P10. Synthesis and Supramolecular Organisation of Amphiphiles Made of Natural Building Blocks, D. Blunk, G. Catanoiu, V. Gärtner, C. Stubenrauch, *Proceedings*, 3rd European Detergents Conference, **2007**

P9. Microemulsions as Templates for New Materials, R. Tessendorf, C. Stubenrauch, I. Lynch, K. Dawson, R. Strey, *Proceedings*, Ostwald Kolloquium, **2007**

P8. Liquid crystalline amphiphilic phosphine oxide metal complexes
G. Catanoiu, C. Stubenrauch, D. Blunk, *Proceedings*, 35. Arbeitstagung Flüssigkristalle, **2007**

P7. Factors that determine the Stability of Foam and Emulsion Films: Disjoining Pressure and Interfacial Rheology, C. Stubenrauch, *Proceedings*, World Congress of Emulsions, **2006**

P6. Synthesis and Selected Properties of New Inositol Surfactants, N. Bongartz, D. Blunk, N. Buchavzov, C. Stubenrauch, *Proceedings*, 34. Arbeitstagung Flüssigkristalle, **2006**

P5. Lamellar Phases and Microemulsions in Water-Oil-Surfactant Systems: Alkyldimethyl Phosphine Oxides compared to Alkyldiethyl Phosphine Oxides, R. Tessendorf, R. Strey, C. Stubenrauch, D. Blunk, *Proceedings*, 34. Arbeitstagung Flüssigkristalle, **2006**

P4. New Surfactants Made of Natural Compounds
P. Bierganns, N. Bongartz, R. Tessendorf, C. Stubenrauch, D. Blunk, *Proceedings*, 1st European Detergents Conference, **2005**

P3. On the relation between macroscopic foams and single foam films
C. Stubenrauch, A.V. Makievski, Kh. Khristov, D. Exerowa, D.O. Grigoriev, R. Miller, *Proceedings*, 6th World Surfactants Congress, **2004**

P2. On the connection between dilute and concentrated lamellar phases in phase diagrams of nonionic surfactants, C. Stubenrauch, S. Burauer, R. Strey, C. Schmidt, *Proceedings*, 31. Arbeitstagung Flüssigkristalle, **2003**

P1. On the structure of lyotropic mesophases: a ²H-NMR study of amphiphilic block copolymers in non-ionic surfactant films, C. Stubenrauch, C. Frank, R. Strey, D. Burgemeister, C. Schmidt, *Proceedings*, 30. Freiburger Arbeitstagung Flüssigkristalle, **2002**

Miscellaneous

M5. Schäume für den Märchenkönig: Entwicklung und Erprobung selbst reinigender Schaumsysteme, T. Schad, H. Piening, W. Drenckhan, C. Stubenrauch, *Conserva - Beiträge zur Erhaltung von Kunst- und Kulturgut*, **2023**, **in press**

M4. Tenside: Schaum in Aktion, T. Schad, N. Preisig, D. Blunk, H. Piening, W. Drenckhan, C. Stubenrauch, *Nachrichten aus der Chemie*, **2021**, *69*, 72-74

M3. Materialien: Immer wieder schäumen und lösen, P. Menold, H. Cölfen, C. Stubenrauch, *Nachrichten aus der Chemie*, **2021**, *69*, 44-45

M2. **FOREWORD OF THE SOCON CO-ORDINATOR**, C. Stubenrauch, In *Self-Organisation under Confinement – SOCON*, Advances in Colloid and Interface Science, C. Stubenrauch, R. Miller (Eds.), Elsevier, Amsterdam, **2010**, 155, 1-2

M1. **L.L. Schramm, Emulsions, Foams and Suspensions - Fundamentals and Applications**, Wiley-VCH, Weinheim **2005**, 448 pp., ISBN 3-527-30743-5 (Book Review), C. Stubenrauch, *ChemPhysChem*, **2006**, 7, 965

Doctoral Thesis

Mikroemulsionen mit Alkylglucosiden aus makroskopischer und NMR-spektroskopischer Sicht (*Microemulsions supported by alkylglucosides from the macroscopic and the NMR-spectroscopic point of view*), C. Stubenrauch, Shaker Verlag, Aachen (1998), ISBN 3-8265-3529-4

Patents

(1) **Tensid-haltige Schäume / Surfactant-Containing Foams**, P. Schmiedel, D. Panzica, Ch. Reichert, C. Stubenrauch, M. Völker, U. Trebbe, PCT/EP2013/071844: (a) German Patent published 24th April 2014 (DE 102012219218.2); (b) International Patent published 5th May 2014 (WO 2014/064005 A1); (c) Aufgabe Schutzrecht 2021

(2) **Mineralplastikschäume**, P. Menold, H. Cölfen, C. Stubenrauch; Deutsche Patentanmeldung 14.5.2020 (DE 10 2020 002 914.0)