

ПН  
с 70/1

**EDITORS**

W. Richtering  
A. M. Schmidt

Kolloid-Zeitschrift  
und Zeitschrift für  
Polymere

Official Journal  
of the  
Kolloid-Gesellschaft

# Colloid and Polymer Science



Springer

# Colloid and Polymer Science

Volume 292 · Number 7 · July 2014

## ORIGINAL CONTRIBUTIONS

"Nanosized latexes for textile printing applications obtained by miniemulsion polymerization"

M. Elgammal · S. Prévost · R. Schweins · R. Schneider · M. Gradzielski 1487

Adsorption of oppositely charged polyelectrolyte/gemini surfactant mixtures at the air/water interface and the effects of NaBr: a surface tension study

R. Jiang · Q. Sun · Y. Fan · C. Lin 1501

Cyclosiloxane-based liquid-crystalline elastomers containing fluorinated mesogens and chiral crosslinking groups

F. Meng · L. Bai · S. Ma · X. Lan · X. Li · Z. Wang 1511

Facile fabrication of thermally responsive Pluronic F127-based nanocapsules for controlled release of doxorubicin hydrochloride

Z. Zeng · Z. Peng · L. Chen · Y. Chen 1521

Synthesis of star-shaped polyhedral oligomeric silsesquioxane (POSS) fluorinated acrylates for hydrophobic honeycomb porous film application

X. Qiang · X. Ma · Z. Li · X. Hou 1531

The wettability of polymer films depends on the polymerization conditions

C. Wei · R. Yu · K. Tauer 1545

Charges of soluble amphiphiles and particles: random and diblock copolymerizations of MAA/AAm, MAA/St, and MAA/4VP in ethanol

K. Zhan · H. Zhang · M. Li · Y. Chen · G. Chen · J. Liu · M. Wu · H. Ni 1553

Peculiarities and mechanism of surface topography changes in photochromic cholesteric oligomer-based films

O. Sinitsyna · A. Bobrovsky · I. Yaminsky · V. Shibaev 1567

Detecting the micellization of anionic surfactants by a colorimetric and fluorescent probe based on electrostatic attraction

Y. Zhao · X. Li 1577

Preparation of silica capsules via an acid-catalyzed sol-gel process in inverse miniemulsions

Z. Chen · L. Yang · Y. Yan · D. Qi · Z. Cao 1585

Phosphatidylcholine-based nonaqueous photorheological fluids: effect of geometry and solvent

R.G. Shrestha · N. Agari · K. Tsuchiya · K. Sakamoto · K. Sakai · M. Abe

H. Sakai 1599

Schizophrenic micelle of a water-soluble diblock polymer and its application to a thermo-optical device

M.M. Alam · H. Keiko · S. Yusa · K. Nakashima 1611

Effect of polyethylene glycol-2000 on amino acid surfactant-based vesicles

N. Akter · S. Radiman 1619

Cationic gel crystals and amorphous solids of lightly cross-linked poly(2-vinylpyridine) spheres in the deionized aqueous suspension

S. Fujii · Y. Yamashita · Y. Nakamura · A. Tsuchida · T. Okubo 1627

Comparative study of the kinetics of non-isothermal melt solidification of random copolymers of butene-1 with either ethylene or propylene

I. Stolte · R. Androsch 1639

Adsorption and thermodynamics of biosurfactant, surfactin, monolayers at the air-buffered liquid interface

S.A. Onaizi · M.S. Nasser · F. Twaiq 1649

Aggregation behavior of pH- and thermo-responsive block copolymer protected gold nanoparticles

J. Li · W. Wu · C. Han · S. Zhang · H. Zhou · J. Guo 1657

Transport properties of ephedrine hydrochloride through poly(vinyl alcohol) matrices—a simple method for enantiomeric differentiation

A.J.M. Valente · C.M.C. Filho · A. Rubira · E.C. Muniz · H.D. Burrows 1665

For continuation of table of contents, see inside of back cover

Further Articles can be found at [link.springer.com](http://link.springer.com)

Indexed in/abstracted by *Science Citation Index*, *Science Citation Index Expanded (SciSearch)*, *Journal Citation Reports/Science Edition*, *SCOPUS*, *INSPEC*, *EMBASE*, *Chemical Abstracts Service (CAS)*, *Google Scholar*, *EBSCO*, *CSA*, *Academic OneFile*, *Academic Search*, *AGRICOLA*, *CEABA-VtB*, *Chimica, CSA Environmental Sciences*, *Current Contents/Physical, Chemical and Earth Sciences*, *EI-Compendex*, *Gale*, *GeoRef*, *INIS Atomindex*, *International Bibliography of Book Reviews (IBR)*, *International Bibliography of Periodical Literature (IBZ)*, *OCLC*, *PASCAL*, *Polymer Library*, *Reaction Citation Index*, *Referativnyi Zhurnal (VINITI)*, *SCIImago*, *Summon by ProQuest*

Instructions for Authors for *Colloid Polym Sci* are available at  
[www.springer.com/396](http://www.springer.com/396)

# Colloid and Polymer Science

Volume 292 · Number 7 · July 2014 (Continuation)

Fabrication of biofunctional complex micelles with tunable structure for application in controlled drug release

L. Zhao · C. Wu · F. Wang · A. Ying · C. Xu · S. Liu 1675

Synthesis and dilute aqueous solution properties of ester functionalized cationic gemini surfactants having different ethylene oxide units as spacer

A. Bhadani · T. Endo · K. Sakai · H. Sakai · M. Abe 1685

Sodium silicate route to coat polymer particles with silica

H. Zou · H. Schlaad 1693

Modeling the effect of molecular architecture of comb polymers on the behavior of  $\text{Al}_2\text{O}_3$  dispersions using charge/composition factors (CCF)

Y. de Hazan · J. Wilkens-Heinecke · T. Graule 1701

## SHORT COMMUNICATIONS

Copolymerization of novel reactive fluorinated acrylic monomers with styrene: reactivity ratio determination

C. Benbayer · S. Saidi-Besbes · E.T. de Givenchy · S. Amigoni · F. Guittard · A. Derdour 1711

On the continuity of the diffusion behaviour at amorphous polymer–polymer interfaces on both sides of the bulk glass transition temperature

Y.M. Boiko 1719

Synthesis and characterization of a novel amphiphilic copolymer containing  $\beta$ -cyclodextrin

Y. He · Z. Xu · F. Wu · Z. Luo · C. Chen 1725