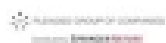




Volume 87, Issue 2

April 2025

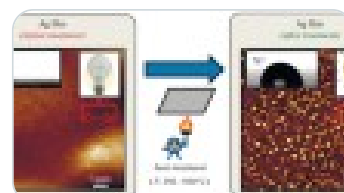


13 articles in this issue

Temperature-Regulated Wettability of Conductive Films Based on Electrophoretic Silver Nanoparticle Concentrates

S. I. BabashovaV. V. BocharovA. I. Bulavchenko

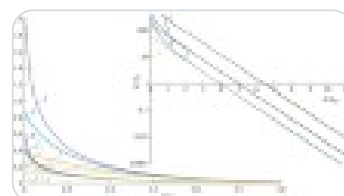
OriginalPaper | 14 May 2025 | Pages: 173 - 183



On the Electrostatic Interaction of Dielectric Particles in an Electrolyte Solution under the Strong Screening Regime

S. I. Grashchenkov

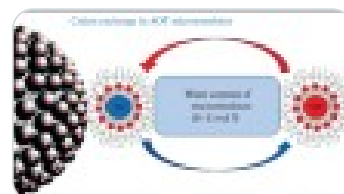
OriginalPaper | 14 May 2025 | Pages: 184 - 191



Sorption of Neutral Red Dye by Enterosorbent Polysorb MP from AOT Microemulsion in *n*-Decane

M. G. DemidovaT. Yu. PodlipskayaA. I. Bulavchenko

OriginalPaper | 14 May 2025 | Pages: 192 - 200



On the Calculation of Particle Electrokinetic Potential in Detonation Nanodiamond Dispersions

L. E. ErmakovaN. S. ChuikovaV. Volkova

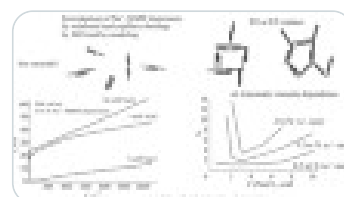
OriginalPaper | 09 April 2025 | Pages: 201 - 211



Study of the Mechanism of Structure Formation in Aqueous Dispersions of Na⁺-Smectites

B. V. PokidkoO. A. Dulina

OriginalPaper | 09 April 2025 | Pages: 212 - 228



Collective Excitations in Amorphous Ice

R. M. Khusnutdinoff

OriginalPaper | 09 April 2025 | Pages: 229 - 235



Control of Self-Organization of Thiocalix[4]Crown-Ethers in Cone and 1,3-Alternate Forms in Nanofilms on Quartz Substrate

I. D. ChetinelA. A. BotnarA. A. Muravev

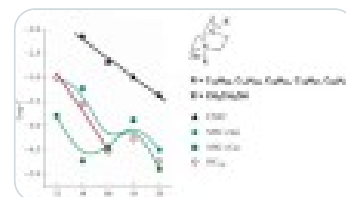
OriginalPaper | 14 May 2025 | Pages: 236 - 245



Micelle-Forming and Antimicrobial Properties of a Series of Bis-Quaternized Ammonium Compounds Based on DABCO Derivatives

Z. M. ShaihutdinovaA. S. SapunovaA. V. Bogdanov

OriginalPaper | 14 May 2025 | Pages: 246 - 254



Slow Freezing and Thawing Dynamics of Human Ejaculate on Extremely Water-Repellent Carbon Soot Coatings–Implications to Sperm Cryopreservation

Karekin D. EsmeryanMiglena M. PanevaTodor A. Chaushev

OriginalPaper | 09 April 2025 | Pages: 255 - 267



Statistical Optimization and Evaluation of the Adsorptive Efficiency of Base Modified *Saccharum munja* Biomass for Safranin O and Crystal Violet Dyes in Single and Binary Systems

Anisha GrewalAniket SinghSurender Kumar

OriginalPaper | 09 April 2025 | Pages: 268 - 288



Influence of Continuous Phase Properties and Homogenization Conditions on Water Droplet Size Distribution in Water/Crude Oil Emulsions

F. A. JassimS. T. Najim

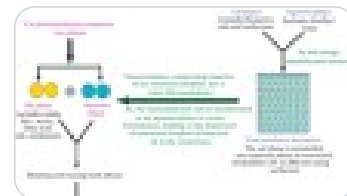
OriginalPaper | 14 May 2025 | Pages: 289 - 301



Formulation and Evaluation of Nanoemulsion-Based Cream Using Green Ingredients Exhibiting Enhanced Performance Characteristics

Daphne NguyenManish Kumar

OriginalPaper | 09 April 2025 | Pages: 302 - 314



Design and Simulation of an Electroosmotically-Induced Micromixer with Identical Circular Barriers Using Electrokinetic Effects

Elnaz Poorreza

OriginalPaper | 14 May 2025 | Pages: 315 - 326

