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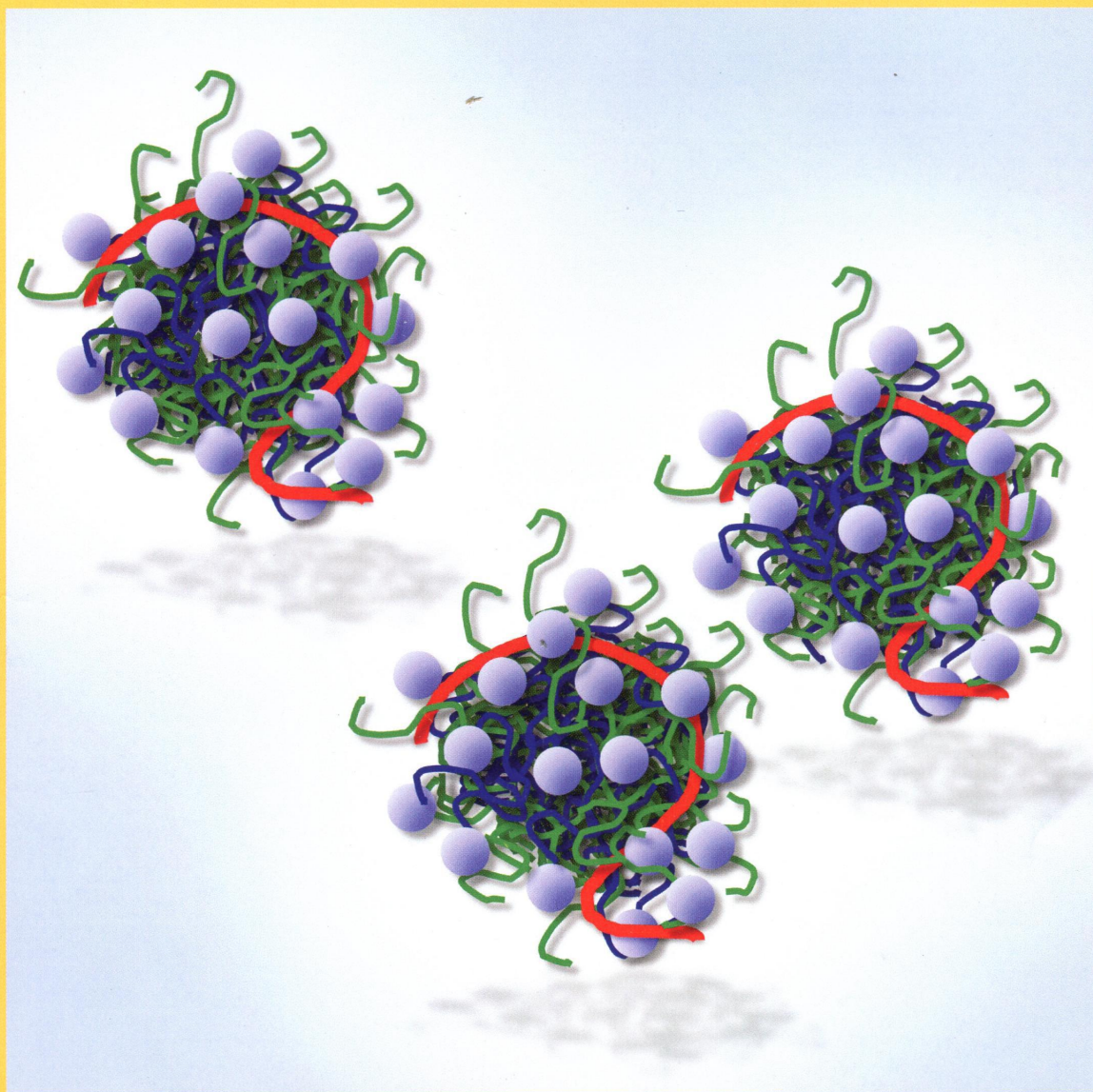
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B

Soluble Aggregates
in Aqueous Solutions
of Polyion-Surfactant
Ion Complex Salts and
a Nonionic Surfactant
(see page 9745)



BIOPHYSICAL CHEMISTRY, BIOMATERIALS, LIQUIDS, AND SOFT MATTER



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ON THE COVER: Soluble aggregates in aqueous solutions of polyion-surfactant ion complex salts and a nonionic surfactant. NMR, scattering, and calorimetric methods reveal that soluble mixed aggregates, containing polyions and mixed micelles of ionic and nonionic surfactants, form when a C16TA polyacrylate complex salt is added to a solution of the nonionic surfactant C12E8. Aggregate growth, ultimately resulting in phase separation, occurs when more and more polyions add to mixed micelles of a nearly constant composition. See page 9745.

Articles

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9525  [dx.doi.org/10.1021/jp5025153](https://doi.org/10.1021/jp5025153)

In Silico Spectroscopy of Tryptophan and Tyrosine Radicals Involved in the Long-Range Electron Transfer of Cytochrome c Peroxidase

Caterina Bernini, Elena Arezzini, Riccardo Basosi, and Adalgisa Sinicropi*

9538  [dx.doi.org/10.1021/jp502687q](https://doi.org/10.1021/jp502687q)

Systematic Molecular Dynamics, MM–PBSA, and Ab Initio Approaches to the Saquinavir Resistance Mechanism in HIV-1 PR Due to 11 Double and Multiple Mutations

Haralambos Tzoupis,* Georgios Leonis,* Aggelos Avramopoulos, Thomas Mavromoustakos, and Manthos G. Papadopoulos*

9553  [dx.doi.org/10.1021/jp503032h](https://doi.org/10.1021/jp503032h)

Solid-State NMR Shows That Dynamically Different Domains of Membrane Proteins Have Different Hydration Dependence

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9565 [dx.doi.org/10.1021/jp503358n](https://doi.org/10.1021/jp503358n)

Solubility and Aggregation of Gly₃ in Water

Deepti Karandur, Ka-Yiu Wong, and B. Montgomery Pettitt*

9573  [dx.doi.org/10.1021/jp5047535](https://doi.org/10.1021/jp5047535)

Reactivity and Aromaticity of Nucleobases are Sensitive Toward External Electric Field

Biswa Jyoti Dutta and Pradip Kr. Bhattacharyya*

9583  [dx.doi.org/10.1021/jp505107g](https://doi.org/10.1021/jp505107g)

Affinity of Molecular Ions for DNA Structures Is Determined by Solvent-Accessible Surface Area

Miki Nakano, Hisae Tateishi-Karimata, Shigenori Tanaka, and Naoki Sugimoto*

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[dx.doi.org/10.1021/jp505280d](https://doi.org/10.1021/jp505280d)

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[dx.doi.org/10.1021/jp505473j](https://doi.org/10.1021/jp505473j)

Combination of Transient 2D-IR Experiments and Ab Initio Computations Sheds Light on the Formation of the Charge-Transfer State in Photoexcited Carbonyl Carotenoids
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[dx.doi.org/10.1021/jp505565s](https://doi.org/10.1021/jp505565s)

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Reversible Multistep Synthesis with Equilibrium Properties Based on a Selection-Oriented Process with a Repetitive Sequence of Steps
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Glasses, Colloids, Polymers, and Soft Matter

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Soluble Aggregates in Aqueous Solutions of Polyion–Surfactant Ion Complex Salts and a Nonionic Surfactant
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Patrik Knöös,* Marie Wahlgren, Daniel Topgaard, Stefan Ulvenlund, and Lennart Piculell*

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[dx.doi.org/10.1021/jp502944h](https://doi.org/10.1021/jp502944h)

Supramolecular Interaction between a Hydrophilic Coumarin Dye and Macrocyclic Hosts: Spectroscopic and Calorimetric Study


Aninda Chatterjee, Banibrata Maity, and Debabrata Seth*

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[dx.doi.org/10.1021/jp5037553](https://doi.org/10.1021/jp5037553)

Immobilization of Hydrophilic Low Molecular-Weight Molecules in Nanoparticles of Chitosan/Poly(sodium 4-styrenesulfonate) Assisted by Aromatic–Aromatic Interactions


Juan Pablo Fuenzalida, Mario E. Flores, Inés Móniz, Miguel Feijoo, Francisco Goycoolea, Hiroyuki Nishide, and Ignacio Moreno-Villoslada*

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[dx.doi.org/10.1021/jp503784v](https://doi.org/10.1021/jp503784v)

Chemical Stabilization and Improved Thermal Resilience of Molecular Arrangements: Possible Formation of a Surface Network of Bonds by Multiple Pulse Atomic Layer Deposition

Muriel de Pauli, Matheus J. S. Matos, Pablo F. Siles, Mariana C. Prado, Bernardo R. A. Neves, Sukarno O. Ferreira, Mário S. C. Mazzoni, and Angelo Malachias*

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[dx.doi.org/10.1021/jp504276y](https://doi.org/10.1021/jp504276y)

Study of Molecular Dynamics in Poly(*n*-alkyl methacrylates) by Light Induced Absorption Anisotropy

S. Grebenkin,* B. Bol'shakov, and V. M. Syutkin

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[dx.doi.org/10.1021/jp504449y](https://doi.org/10.1021/jp504449y)

Biocolloids Based on Amphiphilic Block Copolymers as a Medium for Enzyme Encapsulation

Victoria Sereti, Maria Zoumpantioti, Vassiliki Papadimitriou, Stergios Pispas, and Aristotelis Xenakis*

Additions and Corrections

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Correction to "Rheological Study of Mutarotation of Fructose in Anhydrous State"

Yangyang Wang, Patryk Włodarczyk, Alexei P. Sokolov, and Marian Paluch*