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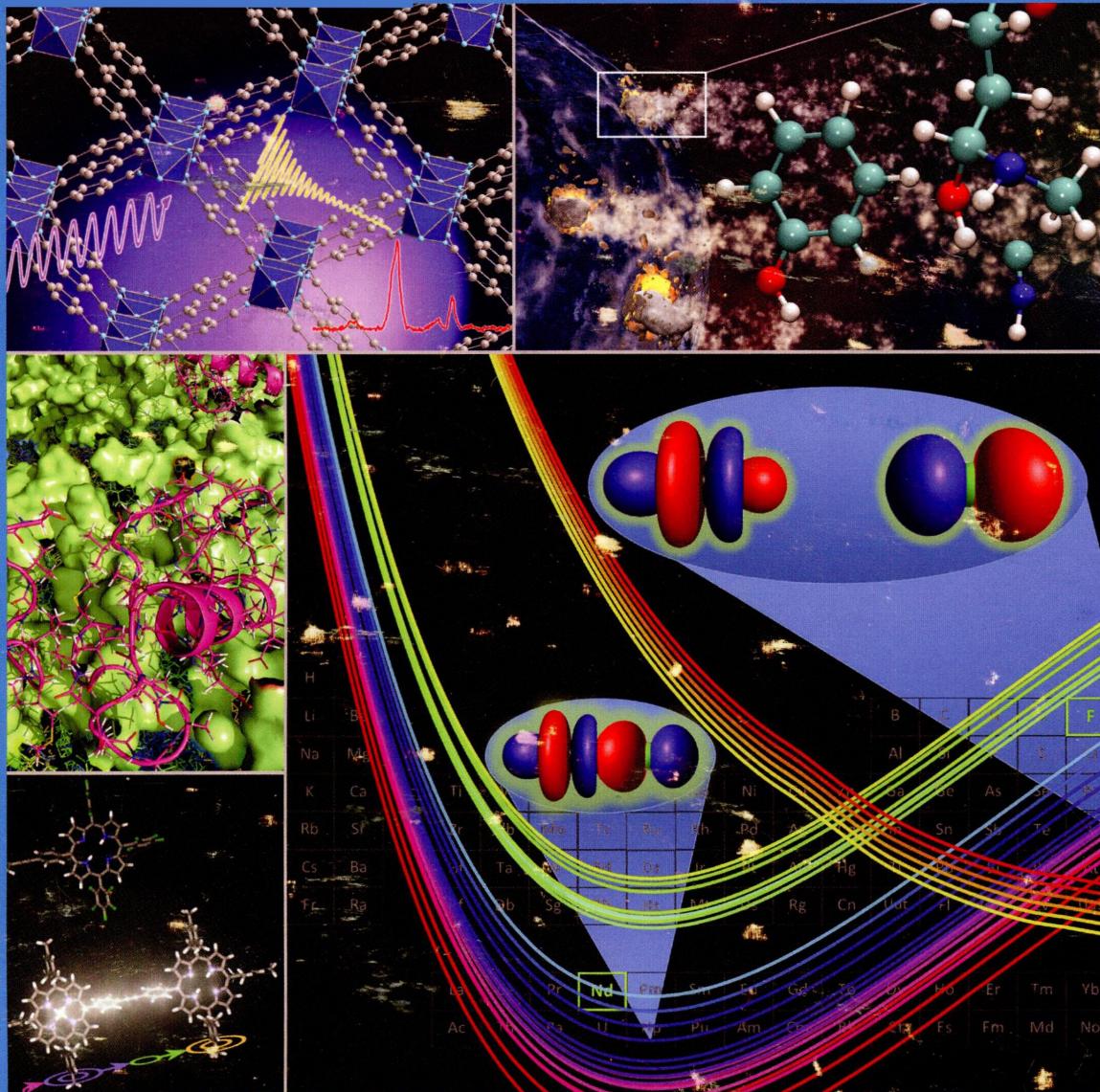
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# THE JOURNAL OF PHYSICAL CHEMISTRY

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ISOLATED MOLECULES, CLUSTERS, RADICALS, AND IONS; ENVIRONMENTAL CHEMISTRY,  
GEOCHEMISTRY, AND ASTROCHEMISTRY; THEORY



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**ON THE COVER:** Collage of cover art from recent issues of *J. Phys. Chem.* Top Left:  $^{17}\text{O}$  Solid-State NMR Spectra Provide Signatures of Various Oxygen Species in Metal-Organic Frameworks (*J. Phys. Chem. C* 2013, 117 (33), 16953–16960). Center Left: Behavior of Amyloid  $\beta$ -Peptides on a Ganglioside-Containing Membrane Surface (*J. Phys. Chem. B* 2013, 117 (27), 8085–8094). Bottom Left: Bridge-Mediated EET in Porphyrin Dimers: Electronic Coupling Reduced by Fluorination (*J. Phys. Chem. C* 2013, 117 (24), 12423–12431). Top Right: Synthesis of Prebiotic Hydrocarbons in Impacts of Simple Icy Mixtures on Early Earth (*J. Phys. Chem. A* 2013, 117 (24), 5124–5131). Bottom Right: Computed Potential Energy Curves for Quartet, Doublet, and Sextet States of NdF $^{2+}$  (*J. Phys. Chem. A* 2013, 117 (42), 10881–10888).

## Articles

### Kinetics and Dynamics

9795



[dx.doi.org/10.1021/jp505378r](https://doi.org/10.1021/jp505378r)

#### Complex Reaction Dynamics in the Cerium–Bromate–2-Methyl-1,4-hydroquinone Photoreaction

Jeffrey G. Bell, James R. Green,\* and Jichang Wang\*

9801

[dx.doi.org/10.1021/jp5074158](https://doi.org/10.1021/jp5074158)

#### Efficient Fourth-Order Split Operator for Solving the Triatomic Reactive Schrödinger Equation in the Time-Dependent Wavepacket Approach

Wentao Li, Dong H. Zhang, and Zhigang Sun\*

9811

[dx.doi.org/10.1021/jp507925e](https://doi.org/10.1021/jp507925e)

#### Autocatalysis-Driven Clock Reaction II: Kinetics of the Pentathionate–Periodate Reaction

Li Xu and Attila K. Horváth\*

### Spectroscopy, Photochemistry, and Excited States

9820



[dx.doi.org/10.1021/jp506797j](https://doi.org/10.1021/jp506797j)

#### Toward a Molecular Understanding of the Detection of Amyloid Proteins with Flexible Conjugated Oligothiophenes

Jonas Sjöqvist, Jérôme Maria, Rozalyn A. Simon, Mathieu Linares, Patrick Norman,\* K. Peter R. Nilsson, and Mikael Lindgren

9828

[dx.doi.org/10.1021/jp506923p](https://doi.org/10.1021/jp506923p)

#### Oxygen Hole States in Zirconia Lattices: Quantitative Aspects of Their Cathodoluminescence Emission

M. Boffelli, W. Zhu, M. Back, G. Sponchia, T. Francesca, P. Riello, A. Benedetti, and G. Pezzotti\*

9837

dx.doi.org/10.1021/jp507552q

**Computational and Experimental Characterization of a Fluorescent Dye for Detection of Potassium Ion Concentration**  
Matteus Tanha, Subhasish K. Chakraborty, Beth Gabris, Alan S. Waggoner, Guy Salama, and David Yaron\*

9844

dx.doi.org/10.1021/jp508562w

**Formation of vibrationally excited methyl radicals following state-specific excitation of methylamine**  
James O. Thomas,\* Katherine E. Lower,\* and Craig Murray\*

9853

dx.doi.org/10.1021/jp508974w

**Equilibrium Excited State Dynamics of a Photoactivated Catalyst Measured with Ultrafast Transient 2DIR**  
Laura M. Kiefer, John T. King, and Kevin J. Kubarych\*

9861

dx.doi.org/10.1021/jp509728m

**A Quantum Dynamics Study of the Ultrafast Relaxation in a Prototypical Cu(I)–Phenanthroline**  
G. Capano, M. Chergui, U. Rothlisberger, I. Tavernelli, and T. J. Penfold\*

## Environmental and Atmospheric Chemistry, Aerosol Processes, Geochemistry, and Astrochemistry

9870

dx.doi.org/10.1021/jp505438f

**Dissociation of the Anthracene Radical Cation: A Comparative Look at iPEPICO and Collision-Induced Dissociation Mass Spectrometry Results**

Brandi West, Alicia Sit, Sabria Mohamed, Christine Joblin, Valerie Blanchet, Andras Bodai, and Paul M. Mayer\*

9879

dx.doi.org/10.1021/jp505578a

**Thermodynamics of Water Condensation on a Primary Marine Aerosol Coated by Surfactant Organic Molecules**  
Yuri S. Djikaev\* and Eli Ruckenstein\*

9890

dx.doi.org/10.1021/jp5065424

**Cold-Surface Photochemistry of Selected Organic Nitrates**

Daniel O'Sullivan,\* Ryan P. McLaughlin,\* Kevin C. Clemithaw, and John R. Sodeau\*

## Molecular Structure, Quantum Chemistry, and General Theory

9901

dx.doi.org/10.1021/jp507749c

**Electronic Structure of Covalently Linked Zinc Bacteriochlorin Molecular Arrays: Insights into Molecular Design for NIR Light Harvesting**

Kushal Shrestha, Jessica M. González-Delgado, James H. Blew, and Elena Jakubikova\*

**Structure, Stability, and Substituent Effects in Aromatic S-Nitrosothiols: The Crucial Effect of a Cascading Negative Hyperconjugation/Conjugation Interaction**

Matthew Flister and Qadir K. Timerghazin\*

**Polyradical Character and Spin Frustration in Fullerene Molecules: An Ab Initio Non-Collinear Hartree–Fock Study**

Carlos A. Jiménez-Hoyos,\* R. Rodríguez-Guzmán, and Gustavo E. Scuseria