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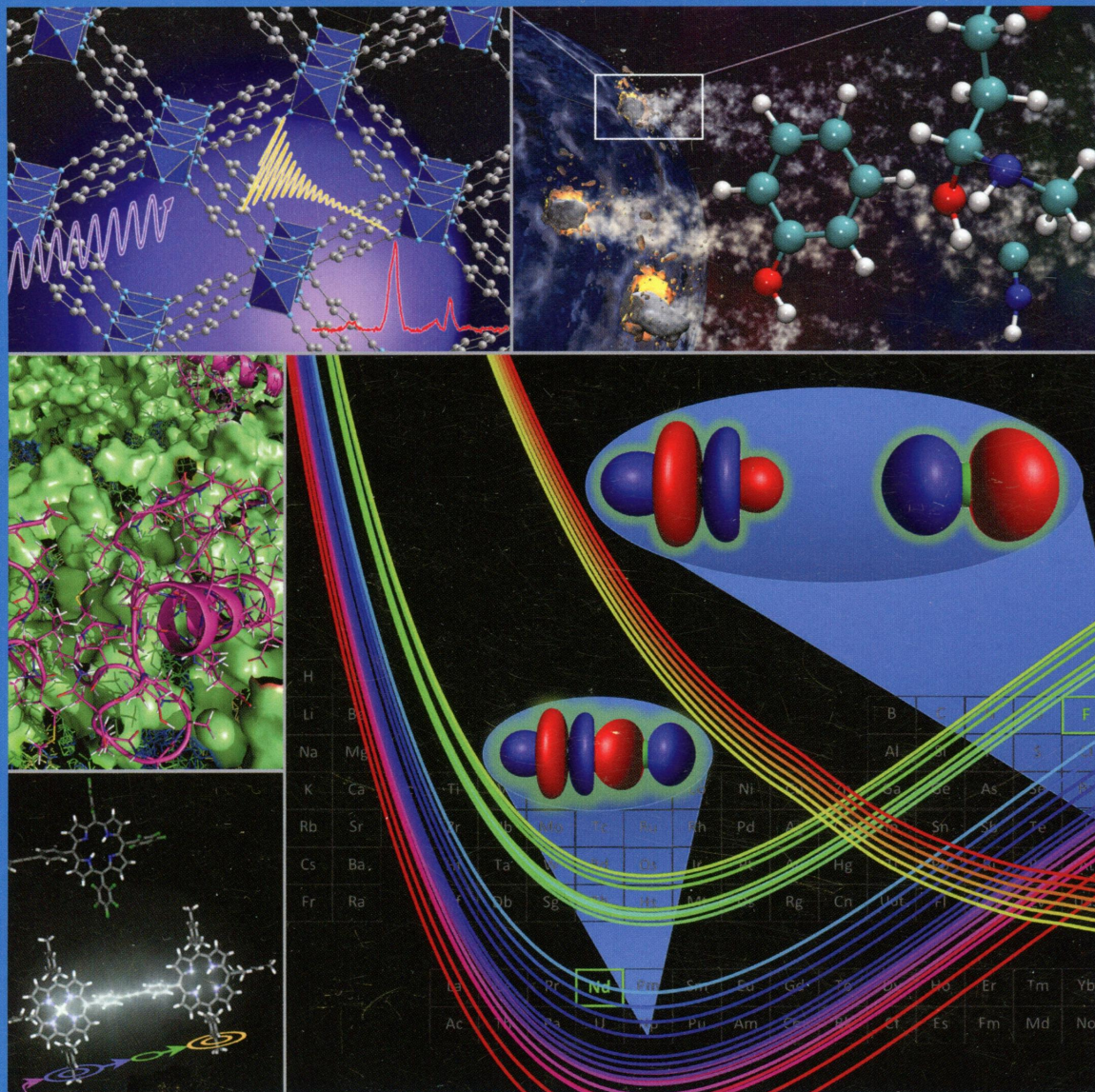
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# THE JOURNAL OF PHYSICAL CHEMISTRY

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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  $\text{NdF}^{2+}$  (*J. Phys. Chem. A* **2013**, *117* (42), 10881–10888).

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[dx.doi.org/10.1021/jp4125793](https://doi.org/10.1021/jp4125793)

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[dx.doi.org/10.1021/jp4103417](https://doi.org/10.1021/jp4103417)

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[dx.doi.org/10.1021/jp411855b](https://doi.org/10.1021/jp411855b)

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[dx.doi.org/10.1021/jp500862y](https://doi.org/10.1021/jp500862y)

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[dx.doi.org/10.1021/jp501225j](https://doi.org/10.1021/jp501225j)

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