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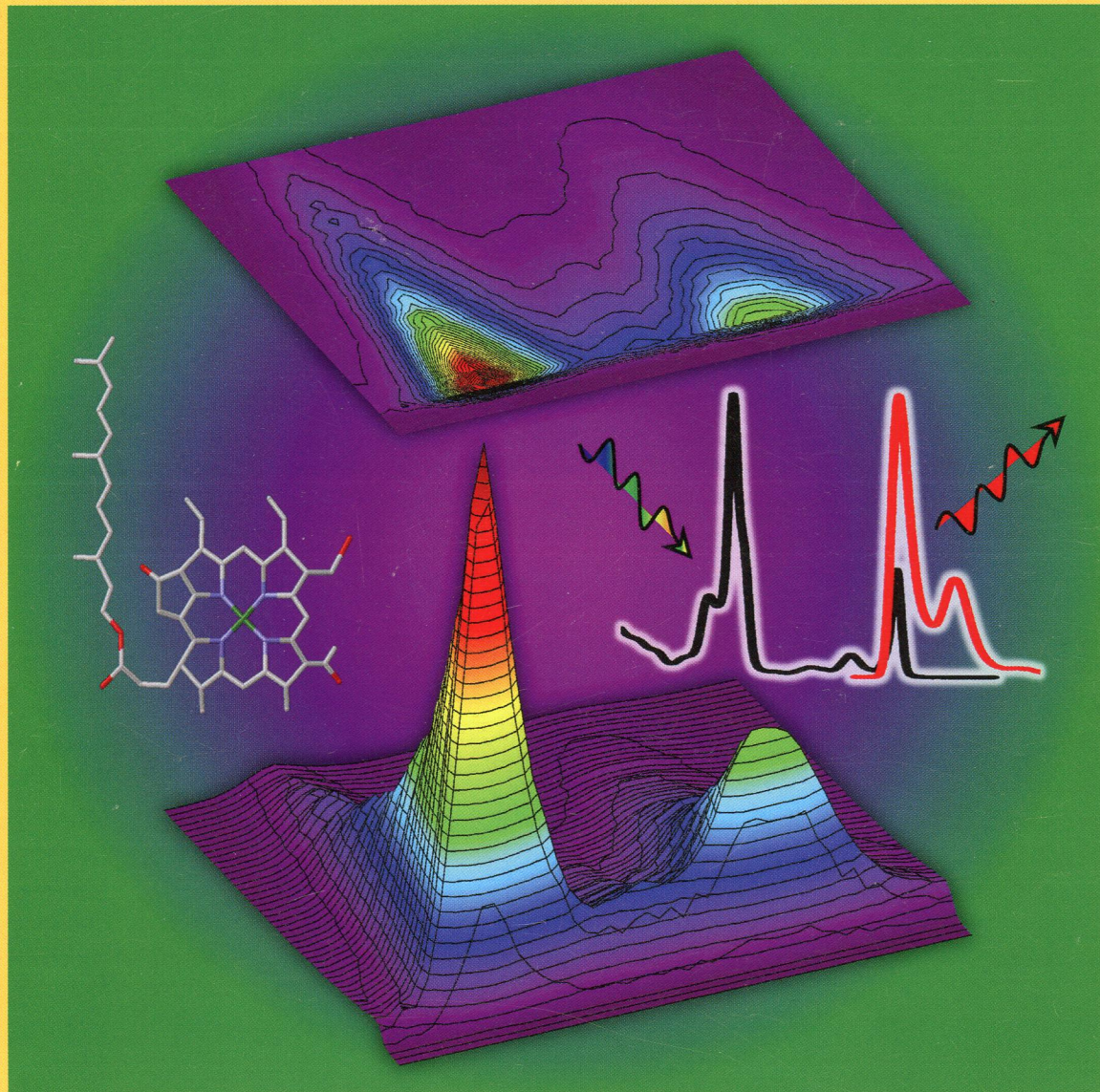
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THE JOURNAL OF PHYSICAL CHEMISTRY

B

Time-Resolved
Fluorescence of
Bacteriochlorophyll *f*
along with
Steady-State
Absorption and
Fluorescence Spectra
(see page 5A)



BIOPHYSICAL CHEMISTRY, BIOMATERIALS, LIQUIDS, AND SOFT MATTER



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ON THE COVER: Time-resolved fluorescence of bacteriochlorophyll *f* along with steady-state absorption and fluorescence spectra. Two variants of the streak-camera image of time-resolved fluorescence (2D and 3D profiles) of bacteriochlorophyll *f* (middle left), a photosynthetic pigment predicted nearly 40 years ago but never found in a naturally occurring organism, a potential fourth member of bacteriochlorophyll *c*, *d*, and *e* family utilized by anoxygenic green photosynthetic bacteria for assembly of chlorosomes, large light-harvesting complexes that allow those organisms to survive in habitats with extremely low light intensities. Middle right: Basic spectroscopic properties of the pigment: electronic steady-state absorption (black) and fluorescence (red) spectra with arrows symbolizing absorption (multicolor) and emission (red). See page 2295.

Feature Article

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[dx.doi.org/10.1021/jp409495m](https://doi.org/10.1021/jp409495m)

Photophysical Properties of the Excited States of Bacteriochlorophyll *f* in Solvents and in Chlorosomes

Dariusz M. Niedzwiedzki, Gregory S. Orf, Marcus Tank, Kajetan Vogl, Donald A. Bryant, and Robert E. Blankenship*

Articles

Biophysical Chemistry and Biomolecules

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[dx.doi.org/10.1021/jp408767j](https://doi.org/10.1021/jp408767j)

Experimental and Modeling Studies of an Unusual Water-Filled Pore Structure with Possible Mechanistic Implications in Family 48 Cellulases

Mo Chen, Maxim Kostylev, Yannick J. Bomble, Michael F. Crowley, Michael E. Himmel, David B. Wilson,* and John W. Brady*

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[dx.doi.org/10.1021/jp4107266](https://doi.org/10.1021/jp4107266)

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[dx.doi.org/10.1021/jp4121436](https://doi.org/10.1021/jp4121436)

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A. Ligia Focsan,* Shanlin Pan, and Lowell D. Kispert

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[dx.doi.org/10.1021/jp4121673](https://doi.org/10.1021/jp4121673)

Conformational Properties of Oxazole-Amino Acids: Effect of the Intramolecular N–H···N Hydrogen Bond


Dawid Siodlak,* Monika Staś, Małgorzata A. Broda, Maciej Bujak, and Tadeusz Lis

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[dx.doi.org/10.1021/jp500883s](https://doi.org/10.1021/jp500883s)

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[dx.doi.org/10.1021/jp500952q](https://doi.org/10.1021/jp500952q)

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Ilyas Yildirim, Ibrahim Eryazici, SonBinh T. Nguyen,* and George C. Schatz*

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Comments

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Comment on "Water's Structure around Hydrophobic Solutes and the Iceberg Model"
Giuseppe Graziano*

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Reply to "Comment on 'Water's Structure around Hydrophobic Solutes and the Iceberg Model'"
N. Galamba*

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