

# QCS

QSAR & Combinatorial Science

## Cover Picture:

The transmembrane protein aquaporin spans biological membranes and forms channels that allow the passage of water molecules. The water channels consist of alpha helices (purple cylinders) and are shown as a Connolly surface, in which the electrostatic potential is represented by colors (blue: negative, red: positive).

Peter Agre and Roderick MacKinnon were awarded the 2003 Nobel Prize in chemistry for the discovery of water channels and for structural and mechanistic studies on ion channels, respectively.

Cover illustration by courtesy of Prof. Dr. Jürgen Brickmann, Dr. Thorsten Borosch, MOLNET e.V.



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February 2006

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## QSAR & Combinatorial Science



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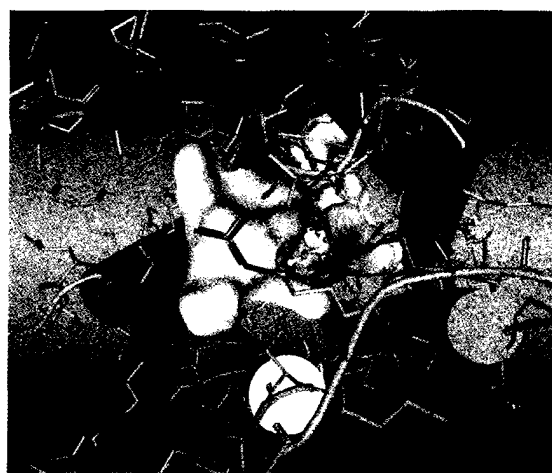
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# QCS

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QSAR & Combinatorial Science

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# QCS

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July 2006  
Pages 575 – 674

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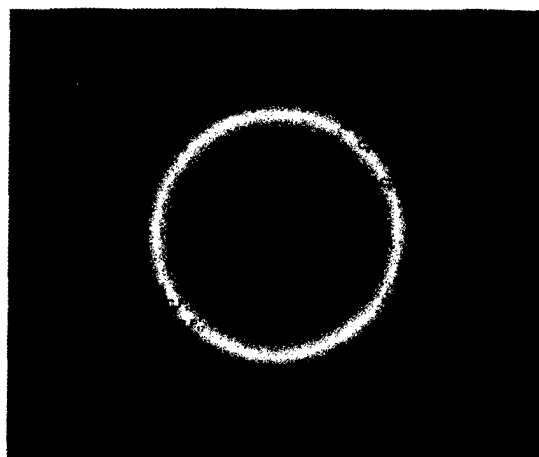
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Volume 25, Number 8–9/2006  
September 2006  
Pages 675–806

QSAR & Combinatorial Science

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Fluorous molecules are lipophobic and hydrophobic, they can be selectively separated by liquid-liquid extraction with fluorous solvents, solid-phase extraction and HPLC with fluorous silica gel. The cover picture highlights some representative structures of fluorous catalysts, reagents, scavengers, and protecting groups which have been developed for fluorous synthesis and reported in this special issue.



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# QCS

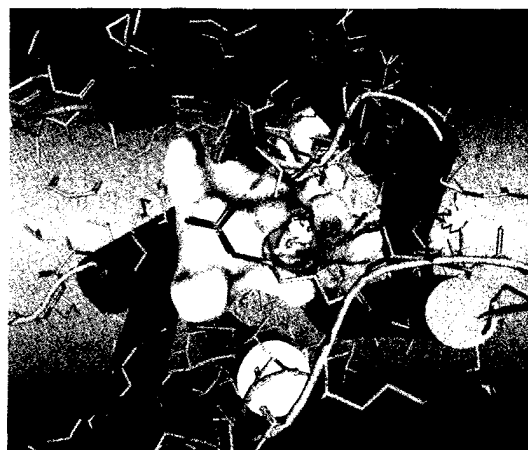
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QSAR & Combinatorial Science

## Cover Picture:

The transmembrane protein aquaporin spans biological membranes and forms channels that allow the passage of water molecules. The water channels consist of alpha helices (purple cylinders) and are shown as a Connolly surface, in which the electrostatic potential is represented by colors (blue: negative, red: positive). Peter Agre and Roderick MacKinnon were awarded the 2003 Nobel Prize in chemistry for the discovery of water channels and for structural and mechanistic studies on ion channels, respectively.

Cover illustration by courtesy of Prof. Dr. Jürgen Brickmann, Dr. Thorsten Borosch, MOLNET e.V.



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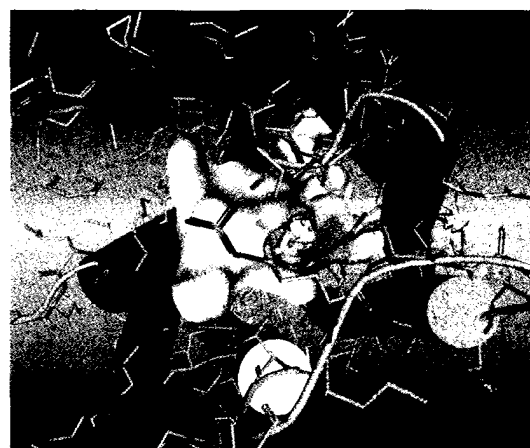
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