

New Insights into the Role of Water in Biological Function
Biomolecules Using Terahertz Absorption Spectroscopy
Dynamics Simulations

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Sensitivity of polarization fluctuations to the nature of protein-water interactions: Study of biological water in four different protein-water systems. <i>Journal of Chemical Physics</i> , 2014, 141, 22D531.	3.0	23
2	Enzymatic turnover of macromolecules generates long-lasting proteinâ€“water-coupled motions beyond reaction steady state. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 17857-17862.	7.1	45
3	Dynamics of protein hydration water. <i>Physical Review E</i> , 2015, 92, 032727.	2.1	12
4	Perspective: Watching low-frequency vibrations of water in biomolecular recognition by THz spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 143, 170901.	3.0	96
5	Can far-IR action spectroscopy combined with BOMD simulations be conformation selective?. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25905-25914.	2.8	23
6	Chemoselective reduction and oxidation of ketones in water through control of the electron transfer pathway. <i>Scientific Reports</i> , 2015, 5, 10366.	3.3	21
7	Determination of Protein Surface Hydration by Systematic Charge Mutations. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 5100-5105.	4.6	23
8	It is water what matters: THz absorption spectroscopy as a new tool to study solvation dynamics. , 2015, , .		2
9	Molecular Recognition in Chemical and Biological Systems. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3290-3327.	13.8	491
10	Interfacial Water Screens the Protein-Induced Transmembrane Voltage. <i>Journal of Physical Chemistry B</i> , 2015, 119, 1474-1482.	2.6	6
12	Editorial of the PCCP themed issue on â€œSolvation Scienceâ€“. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8295-8296.	2.8	12
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16	Surface-Sensitive Approach to Interpreting Supramolecular Rearrangements in Cellulose by Synchrotron Grazing Incidence Small-Angle X-ray Scattering. <i>ACS Macro Letters</i> , 2015, 4, 713-716.	4.8	38
17	Biomolecular hydration dynamics probed with 2D-IR spectroscopy: From dilute solution to a macromolecular crowd. <i>Chinese Chemical Letters</i> , 2015, 26, 435-438.	9.0	7
18	Challenges in the Interpretation of Protein H/D Exchange Data: A Molecular Dynamics Simulation Perspective. <i>Biochemistry</i> , 2015, 54, 2683-2692.	2.5	58
19	Water structure and chaotropicity: their uses, abuses and biological implications. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8297-8305.	2.8	215

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21	Pore-size dependent THz absorption of nano-confined water. <i>Optics Letters</i> , 2015, 40, 2731.	3.3	11
22	Pressure and Temperature Effects on the Activity and Structure of the Catalytic Domain of Human MT1-MMP. <i>Biophysical Journal</i> , 2015, 109, 2371-2381.	0.5	24
23	Kinetic effects in dehydration, rehydration, and isotopic exchange of bacterial photosynthetic reaction centers. <i>Biomedical Spectroscopy and Imaging</i> , 2016, 5, 185-196.	1.2	4
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