



# BIOPHYSICAL CHEMISTRY

An International Journal devoted to the Physics and Chemistry of Biological Phenomena

## AUTHOR INFORMATION PACK

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### DESCRIPTION

*Biophysical Chemistry* publishes original work and reviews in the areas of **chemistry** and **physics** directly impacting **biological phenomena**. Quantitative analysis of the properties of biological macromolecules, biologically active molecules, macromolecular assemblies and cell components in terms of kinetics, thermodynamics, spatio-temporal organization, NMR and X-ray structural biology, as well as single-molecule detection represent a major focus of the journal. Theoretical and computational treatments of biomacromolecular systems, macromolecular interactions, regulatory control and systems biology are also of interest to the journal.

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**Book:** R. Zallen, *The physics of amorphous solids* (Wiley, New York, 1983).

**Journal articles:** T.P.Burghardt, J.E. Lyke and K. Ajtai, *Fluorescence emission and anisotropy from rhodamine dimers*, *Biophys. Chem.* 59 (1996) 119-131.

**Paper in a contributed volume:** E. Stelzer and H. Ruf, in: *Physical chemistry of transmembrane motion*, ed. G. Spach, *Studies in physical and theoretical chemistry*, vol. 24 (Elsevier, Amsterdam, 1983) p. 37.

**Unpublished paper:** D. Schallreuther, Ph.D. thesis, Universitat Konstanz (1982). "Personal communication", "in preparation", "unpublished results", etc., should not be cited in the reference list but in the text.

Dataset:

**[dataset]** [5] M. Oguro, S. Imahiro, S. Saito, T. Nakashizuka, Mortality data for Japanese oak wilt disease and surrounding forest compositions, Mendeley Data, v1, 2015. <http://dx.doi.org/10.17632/xwj98nb39r.1>.

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