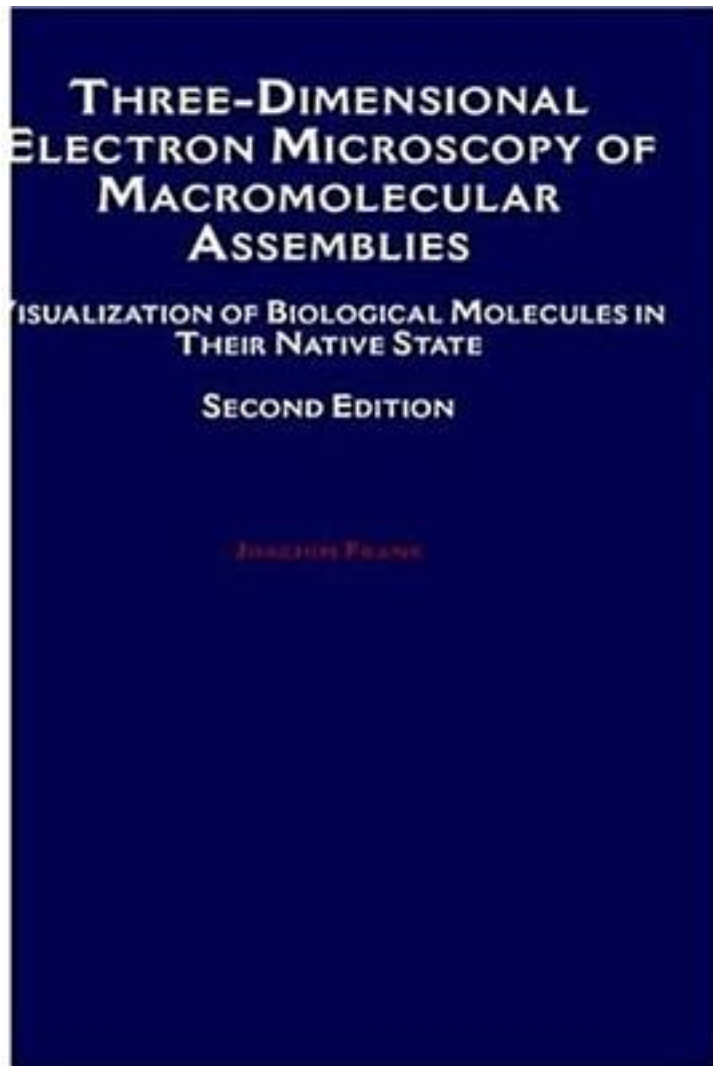


Three-Dimensional Electron Microscopy of Macromolecular Assemblies



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Cryoelectron microscopy of biological molecules is among the hottest growth areas in biophysics and structural biology at present, and Frank is arguably the most distinguished practitioner of this art. CryoEM is likely over the next few years to take over much of the structural approaches currently requiring X-ray crystallography, because one can now get good and finely detailed images of single molecules down to as little as 200,000 MW, covering a substantial share of the molecules of greatest biomedical research interest. This book, the successor to an earlier work published in 1996 with Academic Press, is a natural companion work to our forthcoming book on electron crystallography by Robert Glaeser, with contributions by six others, including Frank. A growing number of workers will employ CryoEM for structural studies in their own research, and a large proportion of biomedical researchers will have a growing interest in understanding what the capabilities and limits of this approach are.

作者介绍:

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标签

EM

结构生物学

电子显微镜

生物物理

生物化学

Single-particle-reconstruction

评论

不是入门读物 需要理论基础和大量实操 才能知道它在讲什么

做Single particle reconstruction这行的圣经，需要一定基础，但是也不需要太多，本科物理和生物水平就能读了。配合其他一些电子显微镜原理和傅立叶光学的资料看比较好。

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书评

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