

### Research Book Contributions and Books Published

1. Yibin Zheng and Peter C. Doerschuk, “3D Virus Structures from Model-Based Inverse Problems,” in *System Theory: Modeling, Analysis and Control*, T. E. Djaferis and I. C. Schick (eds), Kluwer Academic Publishers, Boston, 2000, pp. 287-300 (ISBN 0-7923-8618-3).
2. Ozcan Ozturk, Peter C. Doerschuk, Saul B. Gelfand, “Determining 3-D Structure of Spherical Viruses by Global Optimization,” in *Global Optimization: Scientific and Engineering Case Studies*, János D. Pintér (ed), in the series “Nonconvex Optimization and Its Applications,” Springer, New York, 2006, Chapter 13, pp. 301–329 (ISBN: 0-387-30408-8).
3. Fred Sigworth, Peter C. Doerschuk, Jose-Maria Carazo, Sjors H. W. Scheres, “Maximum-likelihood methods in cryo-EM. Part I: theoretical basis and overview of existing approaches”, *Methods in Enzymology*, 482:263–294, 2010, Elsevier.
4. Qiu Wang, Peter C. Doerschuk, “Statistical Methods for Materials Science: The Data Science of Microstructure Characterization”, Jeffrey P. Simmons, Lawrence F. Drummy, Charles A. Bouman, Marc De Graef, editors, CRC Press, Boca Raton, FL, 2019, Chapter 7, pp. 111–126 (ISBN-13: 978-1498738200).