1. Record Nr. UNINA9910566467703321 Autore Szwabiski Janusz Titolo Recent Advances in Single-Particle Tracking: Experiment and Analysis Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022 Pubbl/distr/stampa Descrizione fisica 1 electronic resource (238 p.) Soggetti Research & information: general **Physics** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Sommario/riassunto This Special Issue of Entropy, titled "Recent Advances in Single-Particle Tracking: Experiment and Analysis", contains a collection of 13 papers concerning different aspects of single-particle tracking, a popular experimental technique that has deeply penetrated molecular biology and statistical and chemical physics. Presenting original research, yet written in an accessible style, this collection will be useful for both newcomers to the field and more experienced researchers looking for some reference. Several papers are written by authorities in the field, and the topics cover aspects of experimental setups, analytical

methods of tracking data analysis, a machine learning approach to data

and, finally, some more general issues related to diffusion.