Contents

Bogdan Cichocki, Editor’s Preface 7
Roman Smoluchowski, Life of Marian Smoluchowski 13
Mark Kac, Marian Smoluchowski and the Evolution of Statistical Thought in Physics 23
Subrahmanyan Chandrasekhar, Marian Smoluchowski as the Founder of the Physics of Stochastic Phenomena 33
Stanislaw Ulam, Marian Smoluchowski and the Theory of Probabilities in Physics 45
Alojzy Burnicki, Chronological Table of Marian Smoluchowski’s Life 57
Marian Smoluchowski, A Contribution to the Theory of Electric Endosmosis and a Few Related Phenomena 59
Marian Smoluchowski, On the Mean Path of Molecules of Gas and its Relationship to the Theory of Diffusion 77
Marian Smoluchowski, On the Kinetic Theory of the Brownian Molecular Motion and of Suspensions 87
Marian Smoluchowski, Molecular-Kinetic Theory of the Opalescence of Gases in the Critical State and a Few Related Phenomena 107
Marian Smoluchowski, Three Lectures on Diffusion, Brownian Molecular Motion and Coagulation of Colloids 125
Alojzy Burnicki, Marian Smoluchowski’s Original Works 175