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私の 本棚

My favorite books



● The Chemistry of Inkjet Inks -In English

This book is relatively new in my personal library. As an Analytical Chemist specialized in the development of chemical sensors, I felt that I did not have sufficient background knowledge about inkjet printing inks. However, in my recent research, I need to transform the reagent mixtures required to create a chemical sensor into an inkjet printable liquid. The book summarizes most of the important facts and properties that are important for inkjet printable fluids. I think that the information presented in this book would otherwise only be accessible by extensive search of the patent literature.

● Advanced Bio/Medical Devices and Equipments for Health Care -In Japanese

ヘルスケアとバイオ医療のための先端
デバイス機器

In this book, my name appears as a coauthor (of one chapter), since one of my graduate students summarized his research work on inkjet printed healthcare chips. Each chapter introduces a different device/technology, which is still not standard in health care, but which might become so in the future. Hopefully, our own inkjet technology will be among those. The book provides an overview over the latest research progress at Japanese universities, research centers and companies.

● Chemical Sensors and Biosensors for Medical and Biological Applications -In English

This is a very relevant scientific textbook in my research field. At the same time, I have a specially close "personal relationship" to it. The author of this book is my former Ph.D. supervisor at the Swiss Federal Institute of Technology (ETH), and it was actually written while I was a doctoral student. Therefore, most of my former laboratory colleagues and I have at some time been involved in the "creation" of this book, both by providing scientific data and by supporting the editing and formatting of the text. The present copy of the book is actually a gift including a personal handwritten note from the author, which I received on the occasion of completing my doctoral thesis. I still refer to this book in my daily scientific work.

● Culture Shock Japan -In English

I bought this book shortly before coming to Japan for the first time in my life in 1996 as a visiting student at Tokyo University. The book is intended to act as a guide to customs and etiquette for "gaijin" who are not familiar with Japanese tradition and behavior. I must say that the book was indeed helpful, especially during my first few months in Japan. I remember for example referring to it before attending a Japanese wedding ceremony for the first time. On the other hand, daily life in Japan taught me that not everything is as "strange" as described in the book. At the end of the book, there is a quiz where you can test your knowledge about Japanese customs. How about testing yourself to find out "how Japanese" you really are?

● The Craft of Scientific Presentations -In English

This is a book that I can recommend for all scientists, no matter whether being a student or a professor. Before I first read this book, I could not imagine that a systematic introduction into the "art" of scientific presentations would be so helpful. The book provides not only good advice for presenters, but it is also fun to read. It makes you think more about your own style of presentation, about what could go wrong during a scientific talk, and about the way that you design your presentation slides. I am using this book as the basis of my graduate student course "Presenting and Discussing Scientific and Technical Subjects in English".