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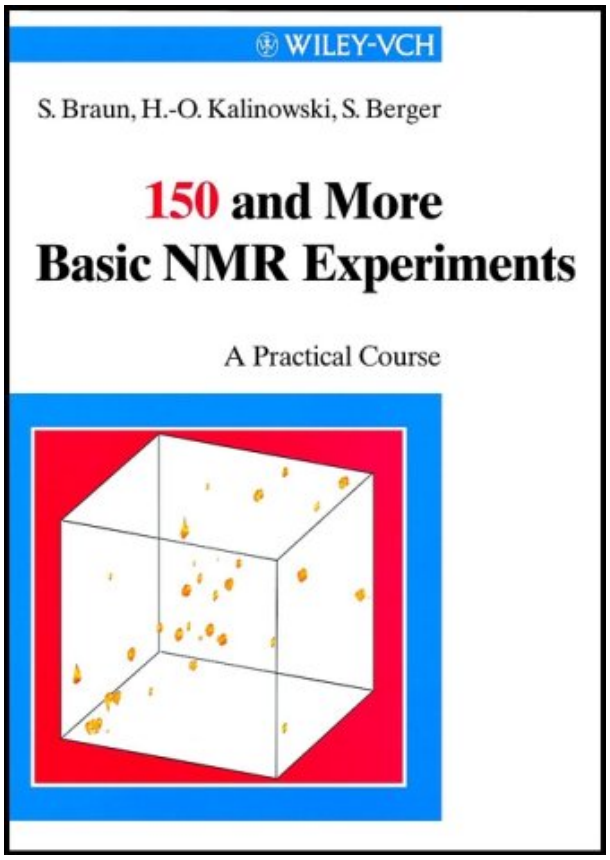

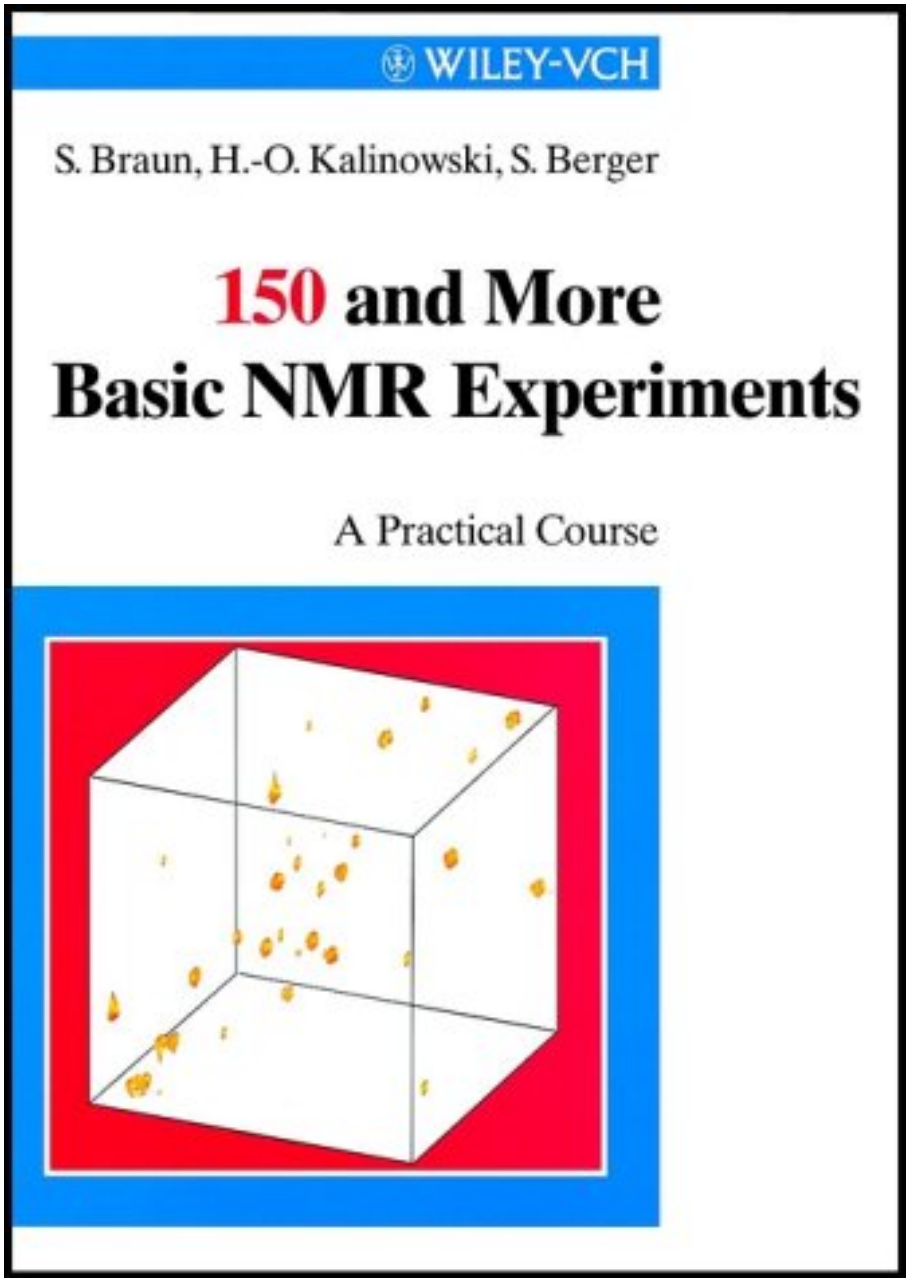

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NMR spectroscopy is a powerful tool for chemists interested in structure, dynamics and function of molecular systems. The success of this technique has lead to a proliferation of experiments yielding a wealth of data about chemical structure ranging from small molecules to not-so-small proteins and beyond. The authors have compiled a core of NMR experiments that will serve a student new to the field or an old-hand who has forgotten the phase-cycle of a particular pulse sequence. The book is sectioned into 14 chapters with the 1st two being introductory (What is a NMR spectrometer and why is it sitting away from everything else? or If I have radiation dampening do I need to get a mop?). The next 10 chapters take the reader from routine spectroscopy experiments to a variety of 1- and 2- dimensional liquid NMR experiments with and without magnetic field gradients. The last two chapters introduce the reader to some basic 3-dimensional liquid sequences and solids NMR spectroscopy. These two subjects could have been extended but I imagine

we will see that in the next volume, 150 to 300 NMR experiments. There are 160 (according to my count) different experiments and measurements discussed and each is organized to familarize the experimenter with the purpose of the experiment, the procedure to perform it, and some expected results for the experiment. The authors have wisely included a readers observation area for each section. This allows the utility of the book to grow as the reader gains experience with each NMR method. This book should be in any NMR laboratory and would be an added help to any course using NMR spectroscopy. I know any undergraduate organic chemistry course should get an attendance boost from experiment 8.15 where the students would determine the alcohol content in polish vodka. (As a student I would have suggested a more hands on approach.) The final upshot is this is an great compendium and should be a staple in any NMR laboratory period.

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