

Challenges in molecular structure determination

Reichenbacher, Manfred, author

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Abstrak

Taking a problem-based approach, the authors provide a practice-oriented and systematic introduction to both organic and inorganic structure determination by spectroscopic methods. This includes mass spectrometry, vibrational spectroscopies, UV/VIS spectroscopy and NMR as well as applying combinations of these methods. The authors show how to elucidate chemical structures with a minimal number of spectroscopic techniques. Readers can train their skills by more than 400 problems with varying degree of sophistication. Interactive powerpoint-charts are available as extra materials to support self-study.