



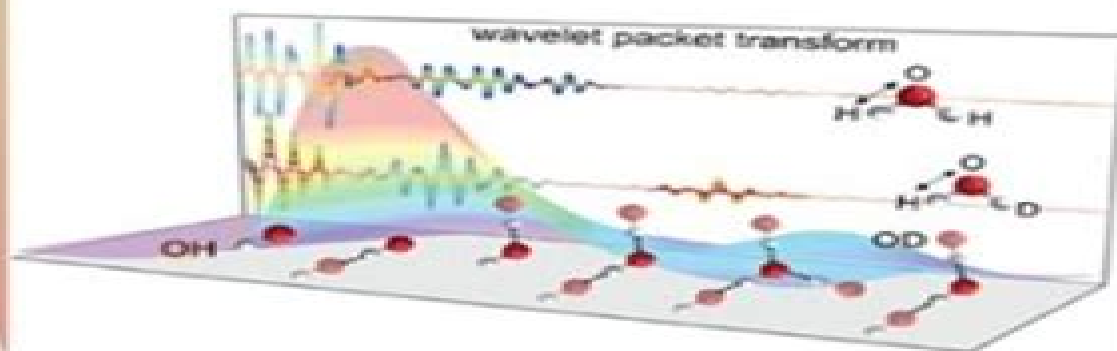
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# SPECTROCHIMICA ACTA

PART A: MOLECULAR AND  
BIOMOLECULAR SPECTROSCOPY

Ultra-high resolution near-infrared spectrum  
by wavelet packet transform revealing the  
hydrogen bond interactions

L. Han, Y. Sun, Y. Wang, H. Fu, C. Duan,  
M. Wang, W. Cai and X. Shao (China)



# Spectroscopy And Collisions Of Fewelectron Ions Proceedings Of Study Conference

**Marcel A. Müller**



[illegible]

**Atomic Physics of Highly Charged Ions** Erhard Salzborn, Paul H. Mokler, Alfred Müller, 2012-12-06 This book contains the invited lectures and contributed papers presented at the V International Conference on the Physics of Highly Charged Ions which was held at the Justus Liebig University at Gießen 10-14 September 1990. This conference was the fifth in a series after Stockholm 1982, Oxford 1984, Groningen 1986 and Grenoble 1988 to deal with a rapidly growing field which comprises

the spectroscopy of highly charged ions and their interactions with photons electrons atoms ions and solids Most of the matter of the universe is in the ionized state Investigations dealing with hot plasmas on earth have been greatly furthered by thermonuclear fusion research The increasing maturity of this programme has revealed the fundamental role of highly charged ions in fusion plasmas Today it is clear that a detailed knowledge of the production mechanisms of highly charged ions and their interactions with other plasma constituents is an important prerequisite for a better understanding of the microscopic and macroscopic plasma properties The study of highly charged ions involves various branches of physics It was the aim of the conference to bring together physicists working in atomic collisions and spectroscopy in plasma physics and astrophysics as well as in solid state and ion source physics About 220 scientists from 20 nations attended the conference indicating the strong worldwide interest and the vital ity of research in this fteld *ERDA energy research abstracts* ,1977

Proceedings of the Conference on the Scientific & Industrial Applications of Small Accelerators ,1976 Includes author index INIS Atomindex ,1996 Atomic Physics 10 Hajime Narumi,Isao Shimamura,1987 Atomic Physics 10 presents the manuscripts of the invited talks delivered at the ICAP X The conference continued the tradition of the earlier conferences by reviewing broad areas of fundamental atomic physics and related subjects In addition to the invited talks two hundred and fifty four contributed papers were presented in two poster sessions The conference was attended by three hundred and thirty participants from twenty countries and the topics covered include fundamental atomic physics including QED parity violation and quark physics exotic atoms electronic structure of atoms and the dynamics associated with advanced laser spectroscopy applied and interdisciplinary fields using synchrotron radiation spectroscopy atomic processes in hot plasmas and interstellar space the quantum Hall effect in solids **Physics Briefs** ,1989 *Proceedings of the 25th EGAS Conference of the European Group for Atomic Spectroscopy* European Group for Atomic Spectroscopy. Conference,1994

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