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Scientists at ACD/Labs Co-Author 'Most Accessed' Paper in MRC

Journal *Magnetic Resonance in Chemistry* lists an article on indirect covariance as the most accessed article on the publications website.

Toronto, Canada (April 9, 2007)—An article entitled 'Long-range carbon-carbon connectivity via unsymmetrical indirect covariance processing of HSQC and HMBC NMR data' written by scientists at Advanced Chemistry Development, Inc., (ACD/Labs) and Gary Martin, formerly of Pfizer Global Research (Ann Arbor, Kalamazoo) recently became ranked first on the list of Most Accessed Articles, as determined by the publisher's statistics of downloads by its subscribers.

Indirect covariance in NMR spectroscopy offers an alternative method of examining the information content of NMR data by obtaining homonuclear spectra from more sensitive heteronuclear correlation data. The findings in this publication were an extension on the earlier studies of Zhang and Bruschiweiler in 2004 which centered on the application of this method on HSQC-TOCSY data. While these methods are relatively new to the NMR community, indirect covariance is attracting more attention from NMR spectroscopists, looking for more accessible and comprehensive spectra.

Since the publication of the original work referenced here, ACD/Labs has continued the collaboration and innovations around indirect covariance with Gary Martin, resulting in a series of publications already in the literature and in press.

"Our developments in the area of Indirect Covariance applied to 2D NMR data underscores our ongoing commitment to innovation and delivery of tools to NMR experts to enhance the throughput for their laboratories and extract the maximum information from their data," said Dr. Antony Williams, VP and Chief Science Officer, ACD/Labs. "Our efforts in algorithmic excellence continue to be demonstrated via processing, prediction, and computer assisted structure elucidation. We are honored to participate in collaborations with scientists of the caliber of Dr. Gary Martin as such interactions continue to keep us focused on real-world problems encountered in the laboratory."

ACD/Labs is a leader in the development of software for automated, vendor-neutral processing of NMR data. Our scientists continue to carry out relevant research in the field of NMR in order to expand the capabilities and advance the cause.

Read the [abstract](#) of this article, or download the full article (subscription required) from the [Wiley InterScience®](#) Website. For more information about ACD/Labs NMR products, visit <http://www.acdlabs.com/nmr/>.

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medicinal chemistry, preformulation of novel drug agents, systematic nomenclature generation, and chemical patenting and publication. Combined, ACD/Labs' solutions create an analytical informatics system that provides dramatic feed-forward effects on the chemical and pharmaceutical research process. Founded in 1994, and headquartered in Toronto, Canada, ACD/Labs employs a team of over 145 dedicated individuals whose continual efforts carry ACD/Labs' innovative technologies into pharmaceutical, biotech, chemical, and materials companies throughout the world. Information about Advanced Chemistry Development and its products is available at www.acdlabs.com.

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