

This bibliography provides a list of selected recent publications in which Isotopx TIMS instruments were used to generate analytical data.

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Introduction to Revision Two

The first revision of the Isotopx bibliography was released in April 2012 and proved extremely popular with over 100 website downloads (it was the second most popular download after the [Phoenix brochure](#)). Of course literature continues to be published and we felt it was important to update the bibliography after 12 months so that it remains an up-to-date guide to the work routinely undertaken on Isotopx TIMS systems.

In this latest version we've replaced over 60 pre-2010 papers with more recent publications and have added one new application area to those already present. We hope that subdividing the guide into different application areas provides a more useful bibliography than simply providing a list of publications from the last 12 months which would be strongly focused on a small number of applications. Maintaining a subdivision based on application also allows us to include a small number of slightly older papers where we feel these are particularly important.

Concept & Format

The bibliography is divided into 9 sections.

Sections 1 to 7 include those application areas where TIMS is the most important analytical tool currently used. There are inevitably a very large number of publications in these categories and we have restricted each section to 20 or so English-language papers together with a number of non-English-language publications. Within the 20, we have attempted to cover all of the major sub-applications whilst maintaining a broad geographical spread of host laboratories. We have also biased the choice towards publications with multiple citations as well as those where a free PDF copy was available online.

Sections 8 and 9 cover more specialist areas. Section 8 covers papers on new techniques where TIMS has been used in a novel way or for a novel application. Section 9 includes a number of specialist application areas predominantly using stable isotope ratios in environmental applications. Whilst not yet 'mainstream', some of these are becoming more widely used as interest in environmental applications increases.

Inevitably we will have omitted some important papers in the listings and we would welcome communication from our users with suggestions of papers that you feel we really should have included.

Geological Bias

The vast majority of the publications listed here are geological in nature. Around half of the TIMS systems sold by Isotopx go into the nuclear industry. Inevitably there are few publications produced on these instruments hence the bias in the peer reviewed literature is massively towards geological applications. We would welcome communication from users in the nuclear industry to help compile a list of documents which could be of use to prospective users of Isotopx TIMS instruments within the nuclear industry.

How to use this bibliography

Each entry in this bibliography has a hyperlink either to a free PDF copy of the paper or to the relevant journal page which will show the abstract and allow purchase of the publication if required. Each link has been checked but please let us know if any cease to function.

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Section 1. Rb-Sr

1. [Elemental and strontium isotopic geochemistry of the soil profiles developed on limestone and sandstone in karstic terrain on Yunnan-Guizhou Plateau, China: ...](#)
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P Cipollari, D Cosentino, G Radeff, TF Schildgen... - Geological Society, London, ..., 2012
3. [87Sr/86Sr and major ion composition of rainwater of Ahmedabad, India: Sources of base cations](#)
J Chatterjee, SK Singh - Atmospheric Environment, 2012
4. [Chemical and strontium isotope characterization of rainwater in karst virgin forest, Southwest China](#)
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13. [Isotope Geochemistry of Volcanic Rocks from the Barton Peninsula, King George Island, Antarctica](#)
J Hwang, X Zheng, EM Ripley, JI Lee... - Journal of Earth Science, 2011 – Springer. [\[PDF\] from earth-science.net](#)
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SD Golding, IT Uysal, R Bolhar, CJ Boreham... - Australian Journal of Earth Sciences 2013
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RA Volkert, DH Monteverde... - Geological Society of America 2010.

18. [The Early Permian mafic–ultramafic complexes in the Beishan Terrane, NW China: Alaskan-type intrusives or rift cumulates?](#)
Ben-Xun Su, Ke-Zhang Qin, M. Santosh, He Sun, Dong-Mei Tang. *Journal of Asian Earth Sciences* 2013.
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周雄, 温春齐, 张学全, 曹盛远, 吴鹏宇... - *高校地质 ...*, 2010 [\[PDF\] from nju.edu.cn](#)
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I.S. Puchtel, J. Blichert-Toft, M. Touboul, R.J. Walker, G.R. Byerly, E.G. Nisbet, C.R. Anhaeusser. *Geochimica et Cosmochimica Acta* 2013.
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15. [Comparison of fluorite geochemistry from REE deposits in the Panxi region and Bayan Obo, China](#)
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16. [Greater supply of Patagonian-sourced detritus and transport by the ACC to the Atlantic sector of the Southern Ocean during the last glacial period](#)
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