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## New Hot Papers

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Every two months, [Essential Science Indicators](#)<sup>SM</sup> from [Thomson Reuters](#) lists a new crop of what it calls hot papers in science. Hot papers are selected by virtue of being cited among the top one-tenth of one percent (0.1%) in a current bimonthly period. Papers are selected in each of 22 fields of science and



must be published within the last two years. Because the hot papers are updated every two months, new papers are added with every update, and *ScienceWatch.com* tracks these new additions.

Here, *ScienceWatch.com* highlights the most-cited of these new entries, one from each field, which are, in addition, not more than one year old. Since new hot papers are very recent scientific contributions that are receiving recognition during a current period, they may signal important new trends in research and serve as leading indicators of scientific advancement. Full information, including bimonthly citation histories, for these papers can be found in *Essential Science Indicators*. See also, [Understanding Core Data: Hot Papers Methodology](#).

Some papers have comments sent in by the author(s) of the paper which may include images and descriptions of their work.

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## **Featured Image**

A close up of an electrospray ionization source used to analyze peptides in proteomics experiments. An image from a New Hot Paper (Mol. Bio. & Gen.) commentary titled: "[Matthias Mann on the First Quantitative & Proteome-Wide Study of Lysine Acetylation.](#)"

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### Year 2010

Below is a list of all the commentaries for New Hot Papers in the year 2010. Some papers have comments sent in by the author(s) of the paper which may include images and descriptions of their work. All of the author comments below are also listed in the site-wide [Author Commentaries](#) listings (available by month/year or alphabetically).

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[Claudio Castellano](#); Physics

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[Matthias Mann](#); Molecular Biology & Genetics

[Mike Peng](#); Economics & Business

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[Rafael Rosell](#); Clinical Medicine

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#### [SEPTEMBER 2010](#)

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[Dario Grasso](#); Space Science

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### **MAY 2010**

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[Huiqiu Yuan](#); Physics  
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### **JANUARY 2010**

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