

[FOLLOW US](#)[SHARE](#)

New Hot Papers

Main Menu

Every two months, [Essential Science Indicators](#)SM 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.

[Select](#)[2010](#)[2009](#)[2008](#)

Choose the year/month you would like to view from the tabs above.

Year: 2010

[January](#)[March](#)[May](#)[July](#)[September](#)[November](#)

[Text listing](#) of all commentaries for the year 2010.

Year: 2009

[January](#)

[March](#)

[May](#)

[July](#)

[September](#)

[November](#)

[Text listing](#) of all commentaries for the year 2009.

Year: 2008

[March](#)

[May](#)

[July](#)

[September](#)

[November](#)

[Text listing](#) of all commentaries for the year 2008.

[EMAIL](#) | [BACK TO TOP](#)

CITE THIS PAGE: <http://sciencewatch.com/dr/nhp/>

New Hot Papers

[New Hot Papers Home](#)

[2010 Menu](#)

More Papers

[Fast Breaking Papers](#)

[Current Classics](#)

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.](#)"

© 2010 Thomson Reuters

[FOLLOW US](#)

[SHARE](#)

New Hot Papers> 2010 Menu

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).

New Hot Paper Commentaries: 2010

[NOVEMBER 2010](#)

[Mustafa Balat](#); Engineering

[Claudio Castellano](#); Physics

[Vojo Deretic](#); Microbiology

[Niky Kamran](#); Mathematics

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

[Mike Peng](#); Economics & Business

(Late Entry: Commentary for [September 2010](#))

[Rafael Rosell](#); Clinical Medicine

[Tayfun E. Tezduyar](#); Computer Science

[SEPTEMBER 2010](#)

[Jeannine Cavender-Bares](#); Environment/Ecology

[Dennis E. Discher](#); Multidisciplinary

[Douglas D. Heckathorn](#); Social Sciences, general

[Christopher I. Moore](#); Neuroscience & Behavior

[Douglas J. Parker](#); Geosciences

[Nicolas C. Polfer](#); Engineering

[Mark J. Reid](#); Space Science

[Dirk Sibbing](#); Clinical Medicine

[Jack Werren](#); Plant & Animal Science

(Commentary for [July 2010](#), [late entry])

[JULY 2010](#)

[Jason E. Bara, Douglas L. Gin, & Richard D. Noble](#); Engineering

[Dario Grasso](#); Space Science

[Malte Meinshausen](#); Geosciences
[Jean-Michel Pawlotsky](#); Clinical Medicine
[Takao Shimizu](#); Pharmacology & Toxicology

MAY 2010

[Dan H. Barouch](#); Microbiology
[Scott C. Doney](#); Geosciences
[Stefan Gillessen](#); Space Science
[Gaston Godin](#); Social Sciences, general
[Jonas Korlach & Steve Turner](#); Multidisciplinary
[Yu-Ming Lin](#); Chemistry
[Juan J. Nieto & Donal O'Regan](#); Mathematics
[Chris Parker](#); Agricultural Sciences
[Rodney S. Ruoff & Sungjin Park](#); Materials Science
(Late commentary entry for [March 2010](#))
[Huiqiu Yuan](#); Physics
[Yong Zhang](#); Materials Science

MARCH 2010

[Renata Behra](#); Environment/Ecology
[Robert Brown](#); Neuroscience & Behavior
[Jeffrey Conn](#); Pharmacology & Toxicology
[Samuel H. Gellman](#); Chemistry
[Christopher P. Herzog, Mukund Rangamani, Simon F. Ross](#); Physics
[Karyn Johnson](#); Microbiology
[Stefan Leucht](#); Psychiatry/Psychology
[Xiong Wen \(David\) Lou & Lynden A. Archer](#); Materials Science
(Late commentary entry for [January 2010](#))
[Christian Marois & Bruce Macintosh](#); Space Science
(Late commentary entry for [January 2010](#))
[Andras Nagy](#); Multidisciplinary
(Late commentary entry for [January 2010](#))
[Andrew H. Paterson](#); Plant & Animal Science
[Susan Solomon](#); Geosciences
[Jian Wang & Jun Wang](#); Molecular Biology & Genetics
[Qingzhu Yin](#); Geosciences
(Late commentary entry for [January 2010](#))

JANUARY 2010

[Geoffrey J. Barton](#); Computer Science

[Alexander A. Kon](#); Social Sciences, general

[David Morens](#); Immunology

[Yukihisa Shimada](#); Plant & Animal Science

[Jason Tylanakis](#); Environment/Ecology

[Frans VandeWerf](#); Clinical Medicine

[Maw-Kuen Wu](#); Physics

[Yoshinori Yamamoto](#); Chemistry

[Edmundas Kazimieras Zavadskas, Arturas Kaklauskas, Zenonas Turskis, and Jolanta Tamosaitiene](#); Engineering

[EMAIL](#) | [BACK TO TOP](#)

CITE THIS PAGE: <http://sciencewatch.com/dr/nhp/2010/>

New Hot Papers

[New Hot Papers Home](#)

[2010 Menu](#)

More Papers

[Fast Breaking Papers](#)

[Current Classics](#)

© 2010 Thomson Reuters