

ScienceWatch Home
Inside This Month...
Interviews

[Featured Interviews](#)
[Author Commentaries](#)
[Institutional Interviews](#)
[Journal Interviews](#)
[Podcasts](#)

Analyses

[Featured Analyses](#)
[What's Hot In...](#)
[Special Topics](#)

Data & Rankings

[Sci-Bytes](#)
[Fast Breaking Papers](#)
[New Hot Papers](#)
[Emerging Research Fronts](#)
[Fast Moving Fronts](#)
[Corporate Research Fronts](#)
[Research Front Maps](#)
[Current Classics](#)
[Top Topics](#)
[Rising Stars](#)
[New Entrants](#)
[Country Profiles](#)

About Science Watch

[Methodology](#)
[Archives](#)
[Contact Us](#)
[RSS Feeds](#)

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TRACKING TRENDS & PERFORMANCE IN BASIC RESEARCH

[Interviews](#)
[Analyses](#)
[Data & Rankings](#)

Data & Rankings : Current Classics : August 2009 - Current Classics

CURRENT CLASSICS

August 2009

The papers drawn from *Essential Science Indicators*SM from Thomson Reuters have the greatest absolute increase in citations from: January 1, 1999 - February 28, 2009, (the previous bimonthly period [first of 2009]) to January 1, 1999 - April 30, 2009 (the second bimonthly period of 2009).

Field: Agricultural Sciences

Article Title: The chemistry behind antioxidant capacity assays

Authors: Huang, DJ;Ou, BX;Prior, RL

Journal: J AGR FOOD CHEM

Volume: 53

Issue: 6

Page: 1841-1856

Year: MAR 23 2005

* Natl Univ Singapore, Dept Chem, Food Sci & Technol Program, Singapore 117543, Singapore.

* Natl Univ Singapore, Dept Chem, Food Sci & Technol Program, Singapore 117543, Singapore.

* Brunswick Labs, Wareham, MA 02571 USA.

* Arkansas Childrens Nutr Ctr, Agr Res Serv, USDA, Little Rock, AR 72202 USA.

Field: Biology & Biochemistry

Podcast Interview with Kenneth J. Livak: MP3|WMA

Article Title: Analysis of relative gene expression data using real-time quantitative PCR and the 2 (T)(-Delta Delta C) method

Authors: Livak, KJ;Schmittgen, TD

Journal: METHODS

Volume: 25

Issue: 4

Page: 402-408

Year: DEC 2001

* Washington State Univ, Dept Pharmaceut Sci, Pullman, WA 99164 USA.

* Washington State Univ, Dept Pharmaceut Sci, Pullman, WA 99164 USA.

* Appl Biosyst Inc, Foster City, CA 94404 USA.

Field: Chemistry

Article Title: A short history of SHELX

Authors: Sheldrick, GM

Journal: ACTA CRYSTALLOGR A

Volume: 64

Issue:

Page: :112-122

Year: Part 1 JAN 2008

* Univ Gottingen, Dept Struct Chem, Tammann Str 4, D-37077 Gottingen, Germany.

* Univ Gottingen, Dept Struct Chem, D-37077 Gottingen, Germany.

Field: Clinical Medicine

Article Title: Cancer statistics, 2008

Authors: Jemal, A;Siegel, R;Ward, E;Hao, YP;Xu, JQ;Murray, T;Thun, MJ

Journal: CA-A CANCER J CLIN

Volume: 58

Issue: 2

Page: 71-96

Year: MAR-APR 2008

* Amer Canc Soc, Dept Epidemiol & Surveillance Res, Atlanta, GA 30329 USA.

* Amer Canc Soc, Dept Epidemiol & Surveillance Res, Atlanta, GA 30329 USA.

* Ctr Dis Control & Prevent, Natl Ctr Hlth Stat, Div Vital Stat, Mortal Stat Branch, Hyattsville, MD 20782 USA.

Field: Computer Science

Podcast Interview with Sudhir Kumar: MP3 | WMA

Article Title: MEGA3: Integrated software for molecular evolutionary genetics analysis and sequence alignment

Authors: Kumar, S;Tamura, K;Nei, M

Journal: BRIEF BIOINFORM

Volume: 5

Issue: 2

Page: 150-163

Year: JUN 2004

* Biodesign Inst, Life Sci A-351, Tempe, AZ 85287 USA.

* Arizona State Univ, Ctr Evolutionary Funct Genom, Tempe, AZ 85287 USA.

* Tokyo Metropolitan Univ, Tokyo 158, Japan.

* Penn State Univ, Inst Mol Evolutionary Genet, University Pk, PA 16802 USA.

Field: Economics & Business

Article Title: Dynamic capabilities: What are they?

Authors: Eisenhardt, KM;Martin, JA

Journal: STRATEG MANAGE J

Volume: 21

Issue: 10-11

Page: 1105-1121

Year: OCT-NOV 2000

* Stanford Univ, Dept Management Sci & Engr, 309 Terman, Stanford, CA 94305 USA.

* Stanford Univ, Dept Management Sci & Engr, Stanford, CA 94305 USA.

Field: Engineering

Article Title: Random forests

Authors: Breiman, L

Journal: MACH LEARN

Volume: 45

Issue: 1

Page: 5-32

Year: OCT 2001

* Univ Calif Berkeley, Dept Stat, Berkeley, CA 94720 USA.

* Univ Calif Berkeley, Dept Stat, Berkeley, CA 94720 USA.

Field: Environment/Ecology**Podcast Interview with Olivier Gascuel: MP3 | WMA**

Article Title: A simple, fast, and accurate algorithm to estimate large phylogenies by maximum likelihood

Authors: Guindon, S;Gascuel, O

Journal: SYST BIOL

Volume: 52

Issue: 5

Page: 696-704

Year: OCT 2003

* CNRS, LIRMM, 161 Rue Ada, F-34392 Montpellier 5, France.

* CNRS, LIRMM, F-34392 Montpellier 5, France.

Field: Geosciences**Podcast Interview with Sakari Suppala: MP3 | WMA**

Article Title: The ERA-40 re-analysis

Authors: Uppala, SM, SM;Kallberg, PW;Simmons, AJ;Andrae, U;Bechtold, VD;Fiorino, M;Gibson, JK;Haseler, J;Hernandez, A;Kelly, GA;Li, X;Onogi, K;Saarinen, S;Sokka, N;Allan, RP;Andersson, E;Arpe, K;Balmaseda, MA;Beljaars, ACM;Van De Berg, L;Bidlot, J;Bormann, N;Caires, S;Chevallier, F;Dethof, A;Dragosavac, M;Fisher, M;Fuentes, M;Hagemann, S;Holm, E;Hoskins, BJ;Isaksen, I;Janssen, PAEM;Jenne, R;McNally, AP;Mahfouf, JF;Morcrette, JJ;Rayner, NA;Saunders, RW;Simon, P;Sterl, A;Trenberth, KE;Untch, A;Vasiljevic, D;Viterbo, P;Woollen, J

Journal: QUART J ROY METEOROL SOC

Volume: 131

Issue: 612

Page: 2961-3012

Year: Part B OCT 2005

* European Ctr Medium Range Weather Forecasts, Shinfield Pk, Reading RG2 9AX, Berks, England.

* European Ctr Medium Range Weather Forecasts, Reading RG2 9AX, Berks, England.

* Lawrence Livermore Natl Lab, Program Climate Model Diagnosis & Intercomparison, Livermore, CA USA.

* Chinese Acad Sci, Inst Atmospher Phys, Beijing, Peoples R China.

* Japan Meteorol Agcy, Tokyo, Japan.

* Univ Reading, Environm Syst Sci Ctr, Reading RG6 2AH, Berks, England.

* Max Planck Inst Meteorol, Hamburg, Germany.

* European Org Exploitat Meteorol Satellites, Darmstadt, Germany.

* Koninklijk Nederlands Meteorol Inst, De Bilt, Netherlands.

* Univ Reading, Dept Meteorol, Reading RG6 2AH, Berks, England.

* Natl Ctr Atmospher Res, Boulder, CO 80307 USA.

* Meteorol Off, Exeter, Devon, England.

* Meteo France, Toulouse, France.

* NOAA, NWS, Natl Ctr Environm Predict, Washington, DC 20230 USA.

Field: Immunology

Article Title: Toll-like receptor signalling

Authors: Akira, S;Takeda, K

Journal: NAT REV IMMUNOL

Volume: 4

Issue: 7

Page: 499-511

Year: JUL 2004

* Osaka Univ, Dept Host Def, Microbial Dis Res Inst, 3-1 Yamada Oka, Osaka 5650871, Japan.

* Osaka Univ, Dept Host Def, Microbial Dis Res Inst, Osaka 5650871, Japan.

* Japan Sci & Technol Agcy, ERATO, Osaka 5650871, Japan.

* Kyushu Univ, Dept Mol Genet, Med Inst Bioregulat, Higashi Ku, Fukuoka 8128582, Japan.

Field: Materials Science

Article Title: The rise of graphene

Authors: Geim, AK;Novoselov, KS

Journal: NAT MATER

Volume: 6

Issue: 3

Page: 183-191


Year: MAR 2007

* Univ Manchester, Manchester Ctr Mesosci & Nanotechnol, Oxford Rd, Manchester M13 9PL, Lancs, England.

* Univ Manchester, Manchester Ctr Mesosci & Nanotechnol, Manchester M13 9PL, Lancs, England.

Field: Mathematics

Podcast Interview with Raphael Irizarry: MP3 | WMA

 Article Title: Exploration, normalization, and summaries of high density oligonucleotide array probe level data

Authors: **Irizarry, RA**;Hobbs, B;Collin, F;Beazer-Barclay, YD;Antonellis, KJ;Scherf, U;Speed, TP

Journal: BIOSTATISTICS

Volume: 4

Issue: 2

Page: 249-264

Year: APR 2003

* Johns Hopkins Univ, Dept Biostat, Baltimore, MD 21205 USA.

* Johns Hopkins Univ, Dept Biostat, Baltimore, MD 21205 USA.

* WEHI, Div Genet & Bioinformat, Melbourne, Vic, Australia.


* Gene Log Inc, Berkeley, CA USA.

* Gene Log Inc, Gaithersburg, MD USA.

* Univ Calif Berkeley, Dept Stat, Berkeley, CA 94720 USA.

Field: Microbiology

Podcast Interview with Barry L. Wanner: MP3 | WMA

 Article Title: One-step inactivation of chromosomal genes in Escherichia coli K-12 using PCR products

Authors: Datsenko, KA;**Wanner, BL**

Journal: PROC NAT ACAD SCI USA

Volume: 97

Issue: 12

Page: 6640-6645

Year: JUN 6 2000

* Purdue Univ, Dept Biol Sci, W Lafayette, IN 47907 USA.

* Purdue Univ, Dept Biol Sci, W Lafayette, IN 47907 USA.

Field: Molecular Biology & Genetics

Podcast Interview with Douglas Hanahan & Robert Weinberg: Listen: MP3 | WMA

 Article Title: The hallmarks of cancer

Authors: **Hanahan, D**;**Weinberg, RA**

Journal: CELL

Volume: 100

Issue: 1

Page: 57-70

Year: JAN 7 2000

* Univ Calif San Francisco, Dept Biochem & Biophys, San Francisco, CA 94143 USA.

* Univ Calif San Francisco, Dept Biochem & Biophys, San Francisco, CA 94143 USA.

* Univ Calif San Francisco, Hormone Res Inst, San Francisco, CA 94143 USA.

* MIT, Whitehead Inst Biomed Res, Cambridge, MA 02142 USA.

* MIT, Dept Biol, Cambridge, MA 02142 USA.

Field: Multidisciplinary

Article Title: Imaging intracellular fluorescent proteins at nanometer resolution

Authors: Betzig, E;Patterson, GH;Sougrat, R;Lindwasser, OW;Olenych, S;Bonifacino, JS;Davidson, MW;Lippincott-Schwartz, J;Hess, HF

Journal: SCIENCE

Volume: 313

Issue: 5793

Page: 1642-1645

Year: SEP 15 2006

* Howard Hughes Med Inst, Janelia Farm Res Campus, Ashburn, VA USA.

* Howard Hughes Med Inst, Ashburn, VA USA.

* New Millennium Res LLC, Okemos, MI 48864 USA.


* NICHHD, Cell Biol & Metab Branch, Bethesda, MD 20892 USA.

* Florida State Univ, Natl High Magnet Field Lab, Tallahassee, FL 32310 USA.

* NuQuest Res LLC, La Jolla, CA 92037 USA.

Field: Neuroscience & Behavior

Podcast Interview with Dennis Selko: MP3 | WMA

 Article Title: Medicine - The amyloid hypothesis of Alzheimer's disease: Progress and problems on the road to therapeutics

Authors: Hardy, J;**Selkoe, DJ**

Journal: SCIENCE

Volume: 297

Issue: 5580

Page: 353-356

Year: JUL 19 2002


* Harvard Univ, Brigham & Womens Hosp, Sch Med, Ctr Neurol Dis, Boston, MA 02115 USA.

* Harvard Univ, Brigham & Womens Hosp, Sch Med, Ctr Neurol Dis, Boston, MA 02115 USA.

* NIA, Neurogenet Lab, Bethesda, MD 20892 USA.

Field: Pharmacology & Toxicology

Podcast Interview with Theoharis C. Theoharides: MP3 | WMA

 Article Title: The effects of plant flavonoids on mammalian cells: Implications for inflammation, heart disease, and cancer

Authors: Middleton, E;Kandaswami, C;**Theoharides, TC**

Journal: PHARMACOL REV

Volume: 52

Issue: 4

Page: 673-751

Year: DEC 2000

* Tufts Univ, Sch Med, Dept Pharmacol & Expt Therapeut, 136 Harrison Ave, Boston, MA 02111 USA.

* Tufts Univ, Sch Med, Dept Pharmacol & Expt Therapeut, Boston, MA 02111 USA.

* Chebeague Isl Inst Nat Prod Res, Chebeague Isl, MD USA.

Field: Physics

Article Title: From ultrasoft pseudopotentials to the projector augmented-wave method

Authors: Kresse, G;Joubert, D

Journal: PHYS REV B

Volume: 59

Issue: 3

Page: 1758-1775

Year: JAN 15 1999

* Vienna Tech Univ, Inst Theoret Phys, Hauptstr 8-10-136, A-1040 Vienna, Austria.

* Vienna Tech Univ, Inst Theoret Phys, A-1040 Vienna, Austria.

Field: Plant & Animal Science

Article Title: Floral dip: a simplified method for Agrobacterium-mediated transformation of Arabidopsis thaliana

Authors: Clough, SJ;Bent, AF

Journal: PLANT J

Volume: 16

Issue: 6

Page: 735-743

Year: DEC 1998

* Univ Illinois, Dept Crop Sci, 1201 W Gregory Dr, Urbana, IL 61801 USA.

* Univ Illinois, Dept Crop Sci, Urbana, IL 61801 USA.

Field: Psychiatry/Psychology

Article Title: Common method biases in behavioral research: A critical review of the literature and recommended remedies

Authors: Podsakoff, PM;MacKenzie, SB;Lee, JY;Podsakoff, NP

Journal: J APPL PSYCHOL

Volume: 88

Issue: 5

Page: 879-903

Year: OCT 2003

* Indiana Univ, Kelley Sch Business, Dept Management, 1309 E Tenth St, Bloomington, IN 47405 USA.

* Indiana Univ, Kelley Sch Business, Dept Management, Bloomington, IN 47405 USA.

* Indiana Univ, Dept Mkt, Bloomington, IN 47405 USA.

* Univ Florida, Dept Management, Gainesville, FL 32611 USA.

Field: Social Sciences, general**Podcast Interview with Martin Bland: MP3 | WMA**

Article Title: Measuring agreement in method comparison studies

Authors: **Bland, JM**;Altman, GG

Journal: STAT METHODS MED RES

Volume: 8

Issue: 2

Page: 135-160

Year: JUN 1999

* St George Hosp, Sch Med, Dept Publ Hlth Sci, Cranmer Terrace, London SW17 0RE, England.

* St George Hosp, Sch Med, Dept Publ Hlth Sci, London SW17 0RE, England.

* Inst Hlth Sci, Ctr Stat Med, ICRF Med Stat Grp, Oxford, England.

Field: Space Science**Podcast Interview with David Spergel: MP3 | WMA [See also], [See also]**

Article Title: Three-year Wilkinson Microwave Anisotropy Probe (WMAP) observations: Implications for cosmology

Authors: **Spergel, DN**;Bean, R;Dore, O;Nolta, MR;Bennett, CL;Dunkley, J;Hinshaw, G;Jarosik, N;Komatsu, E;Page, L;Peiris, HV;Verde, L;Halpern, M;Hill, RS;Kogut, A;Limon, M;Meyer, SS;Odegard, N;Tucker, GS;Weiland, JL;Wollack, E;Wright, EL

Journal: ASTROPHYS J SUPPL SER

Volume: 170

Issue: 2

Page: 377-408

Year: JUN 2007

* Princeton Univ, Dept Astrophys Sci, Princeton, NJ 08544 USA.

* Princeton Univ, Dept Astrophys Sci, Princeton, NJ 08544 USA.

* Cerro Tololo Interamer Observ, La Serena, Chile.

* Cornell Univ, Ithaca, NY 14853 USA.

* Univ Toronto, Canadian Inst Theoret Astrophys, Toronto, ON M5S 3H8, Canada.

* Princeton Univ, Dept Phys, Princeton, NJ 08544 USA.

* NASA, Goddard Space Flight Ctr, Greenbelt, MD 20771 USA.

* Johns Hopkins Univ, Dept Phys & Astron, Baltimore, MD 21218 USA.

* Univ Texas, Dept Astron, Austin, TX 78712 USA.

* Univ Chicago, Dept Astrophys, KICP, Chicago, IL 60637 USA.

* Univ Chicago, Dept Phys, KICP, Chicago, IL 60637 USA.

* Univ Chicago, EFI, Chicago, IL 60637 USA.

* Univ Penn, Dept Phys, Philadelphia, PA 19104 USA.

* Univ British Columbia, Dept Phys & Astron, Vancouver, BC V6T 1Z1, Canada.

* Sci Syst & Applicat Inc SSAI, Lanham, MD 20706 USA.

* Brown Univ, Dept Phys, Providence, RI 02912 USA.

* UCLA Astron, Los Angeles, CA 90095 USA.

[back to top](#)

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