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Country Profiles : 2010 : Most-Cited Paper From the Top 20 Countries, 1999-August 31, 2009

COUNTRY PROFILES - 2010

January 2010



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Most-Cited Paper From the Top 20 Countries, 1999-August 31, 2009

Special Country Feature

Last month *ScienceWatch.com* presented its annual "Top 20" listings of countries (across all 22 fields), which as of the latest bimonthly update of *Essential Science Indicators*SM, achieved particular distinction based on their papers published in Thomson Reuters-indexed journals from January 1999 through August 31, 2009, a 10-year plus 8-month period. This month we present the highest-cited paper from each of the top 20 countries. The countries are listed below in the same order as they were **last month**—by total citations. In this ranking, all of the paper's authors are based in the given country, as opposed to multinational collaborations. Only the first address is show.



Rank	Paper	Citations
1	<p>UNITED STATES OF AMERICA - (44,669,056 total citations)</p> <p>Title: <i>Mechanisms of Disease: atherosclerosis in autoimmune diseases</i></p> <p>Authors: ROSS R</p> <p>Source: N ENGL J MED, 340 (2): 115-126 JAN 14 1999</p> <p>Address: Univ Washington, Sch Med, Dept Pathol, Box 357470, Seattle, WA 98195 USA.</p> <p>Univ Washington, Sch Med, Dept Pathol, Seattle, WA 98195 USA.</p> <p>Field: CLINICAL MEDICINE</p>	8,083

2	<p>GERMANY - (9,406,841 total citations)</p> <p>Title: <i>A short history of SHELX</i></p> <p>Authors: SHELDRIK GM</p> <p>Source: ACTA CRYSTALLOGR A, 64: 112-122 Part 1 JAN 2008</p> <p>Address: Univ Gottingen, Dept Struct Chem, Tammann Str 4, D-37077 Gottingen, Germany.</p> <p>Field: CHEMISTRY</p>	5,421
3	<p>ENGLAND - (9,399,334 total citations)</p> <p>Title: <i>The Cambridge Structural Database: a quarter of a million crystal structures and rising</i></p> <p>Authors: ALLEN FH</p> <p>Source: ACTA CRYSTALLOGR B-STRUCT SCI, 58: 380-388 Part 3 Sp. Iss. 1 JUN 2002</p> <p>Address: Cambridge Crystallog Data Ctr, 12 Union Rd, Cambridge CB2 1EZ, England.</p> <p>Field: CHEMISTRY</p>	4,235
4	<p>JAPAN - (788,650, total citations)</p> <p>Title: <i>Superconductivity at 39 K in magnesium diboride</i></p> <p>Authors: NAGAMATSU J; NAKAGAWA N; MURANAKA T; ZENITANI Y; AKIMITSU J</p> <p>Source: NATURE, 410 (6824): 63-64 MAR 1 2001</p> <p>Address: Aoyama Gakuin Univ, Dept Phys, Setagaya Ku, Tokyo 1578572, Japan.</p> <p>Field: PHYSICS</p>	2,636
5	<p>FRANCE - (548,046 total citations)</p> <p>Title: <i>A simple, fast, and accurate algorithm to estimate large phylogenies by maximum likelihood</i></p> <p>Authors: GUINDON S; GASCUEL O</p> <p>Source: SYST BIOL, 52 (5): 696-704 OCT 2003</p> <p>Address: CNRS, LIRMM, 161 Rue Ada, F-34392 Montpellier 5, France.</p> <p>Field: ENVIRONMENT/ECOLOGY</p>	2,110
6	<p>CANADA - (424,562 total citations)</p> <p>Title: <i>Effects of an angiotensin-converting-enzyme inhibitor, ramipril, on cardiovascular events in high-risk patients. The Heart Outcomes Prevention Evaluation Study Investigators</i></p> <p>Authors: YUSUF S; SLEIGHT P; POGUE J; BOSCH J; DAVIES R; DAGENAIS G; HEART OUTCOMES PREVENT EVALUAT STUDY</p> <p>Source: N ENGL J MED, 342 (3): 145-153 JAN 20 2000</p> <p>Address: Hamilton Gen Hosp, Canadian Cardiovasc Collaborat Project Off, 237 Barton St E, Hamilton, ON L8L 2X2, Canada.</p> <p>Field: CLINICAL MEDICINE</p>	3,171

7	<p>ITALY - (403,588 total citations)</p> <p>Title: <i>SIR97 : a new tool for crystal structure determination and refinement</i></p> <p>Authors: ALTOMARE A; BURLA MC; CAMALLI M; CASCARANO GL; GIACOVAZZO C; GUAGLIARDI A; MOLITERNI AGG; POLIDORI G; SPAGNA R</p> <p>Source: J APPL CRYST, 32: 115-119 Part 1 FEB 1 1999</p> <p>Address: Univ Bari, Dipartimento Geomineral, IRMEC, Campus Univ,via Orabona 4, I-70125 Bari, Italy.</p> <p>Field: CHEMISTRY</p>	4,300
8	<p>NETHERLANDS - (236,344 total citations)</p> <p>Title: <i>Single-crystal structure validation with the program PLATON</i></p> <p>Authors: SPEK AL</p> <p>Source: J APPL CRYST, 36: 7-13 Part 1 FEB 2003</p> <p>Address: Univ Utrecht, Bijvoet Ctr Biomol Res, Padualaan 8, NL-3584 CH Utrecht, Netherlands.</p> <p>Field: CHEMISTRY</p>	6,803
9	<p>PEOPLES R CHINA - (649,689 total citations)</p> <p>Title: <i>Coronavirus as a possible cause of severe acute respiratory syndrome</i></p> <p>Authors: PEIRIS JSM; LAI ST; POON LLM; GUAN Y; YAM LYC; LIM W; NICHOLLS J; YEE WKS; YAN WW; CHEUNG MT; CHENG VCC; CHAN KH; TSANG DNC; YUNG RWH; NG TK; YUEN KY; SARS STUDY GRP</p> <p>Source: LANCET, 361 (9366): 1319-1325 APR 19 2003</p> <p>Address: Univ Hong Kong, Queen Mary Hosp, Dept Microbiol, Pokfulam Rd, Hong Kong, Hong Kong, Peoples R China.</p> <p>Field: CLINICAL MEDICINE</p>	976
10	<p>AUSTRALIA - (276,622 total citations)</p> <p>Title: <i>1999 World Health Organization-International Society of Hypertension Guidelines for the Management of Hypertension</i></p> <p>Authors: CHALMERS J; MACMAHON S; MANCIA G; WHITWORTH J; BEILIN L; HANSSON L; NEAL B; RODGERS A; MHURCHU CN; CLARK T; GUIDELINES SUBCOMMITTEE WHO-ISH</p> <p>Source: J HYPERTENSION, 17 (2): 151-183 FEB 1999</p> <p>Address: Royal N Shore Hosp, No Sydney Hlth, Level 4,Vindin House, St Leonards, NSW 2065, Australia.</p> <p>Field: CLINICAL MEDICINE</p>	1,549

11	<p>SPAIN - (305,430 total citations)</p> <p>Title: <i>DnaSP, DNA polymorphism analyses by the coalescent and other methods</i></p> <p>Authors: ROZAS J; SANCHEZ-DELBARRIO JC; MESSEGUER X; ROZAS R</p> <p>Source: BIOINFORMATICS, 19 (18): 2496-2497 DEC 12 2003</p> <p>Address: Univ Barcelona, Fac Biol, Dept Genet, Diagonal 645, E-08071 Barcelona, Spain.</p> <p>Field: COMPUTER SCIENCE</p>	1,815
12	<p>SWITZERLAND - (171,248 total citations)</p> <p>Title: <i>SWISS-MODEL: An automated protein homology-modeling server</i></p> <p>Authors: SCHWEDE T; KOPP J; GUEX N; PEITSCH MC</p> <p>Source: NUCL ACID RES, 31 (13): 3381-3385 JUL 1 2003</p> <p>Address: Univ Basel, Biozentrum, Klingelbergstr 50-70, CH-4056 Basel, Switzerland.</p> <p>Field: BIOLOGY & BIOCHEMISTRY</p>	1,487
13	<p>SWEDEN - (174,789 total citations)</p> <p>Title: <i>Inflammation, Atherosclerosis, and Coronary Artery Disease</i></p> <p>Authors: HANSSON GK</p> <p>Source: N ENGL J MED, 352 (16): 1685-1695 APR 21 2005</p> <p>Address: Karolinska Univ Hosp, Karolinska Inst, Ctr Mol Med, Dept Med, L8-03, SE-17176 Stockholm, Sweden.</p> <p>Field: CLINICAL MEDICINE</p>	1,192
14	<p>BELGIUM - (128,800 total citations)</p> <p>Title: <i>Intensive insulin therapy in the critically ill patients</i></p> <p>Authors: VAN DEN BERGHE G; WOUTERS P; WEEKERS F; VERWAEST C; BRUYNINCKX F; SCHETZ M; VLASSELAERS D; FERDINANDE P; LAUWERS P; BOUILLON R</p> <p>Source: N ENGL J MED, 345 (19): 1359-1367 NOV 8 2001</p> <p>Address: Katholieke Univ Leuven, Univ Hosp Gasthuisberg, Dept Intens Care Med, B-3000 Louvain, Belgium.</p> <p>Field: CLINICAL MEDICINE</p>	2,338
15	<p>SCOTLAND - (106,559 total citations)</p> <p>Title: <i>Specificity and mechanism of action of some commonly used protein kinase inhibitors</i></p> <p>Authors: DAVIES SP; REDDY H; CAIVANO M; COHEN P</p> <p>Source: BIOCHEM J, 351: 95-105 Part 1 OCT 1 2000</p> <p>Address: Univ Dundee, Dept Biochem, MRC, Prot Phosphorylat Unit, MSI-WTB Complex, Dow St, Dundee DD1 5EH, Scotland.</p> <p>Field: BIOLOGY & BIOCHEMISTRY</p>	2,219

16	<p>SOUTH KOREA - (237,652 total citations)</p> <p>Title: <i>A homochiral metal-organic porous material for enantioselective separation and catalysis</i></p> <p>Authors: SEO JS; WHANG D; LEE H; JUN SI; OH J; JEON YJ; KIM K</p> <p>Source: NATURE, 404 (6781): 982-986 APR 27 2000</p> <p>Address: Pohang Univ Sci & Technol, Natl Creat Res Initiat Ctr Smart Supramol, San 31 Hyojadong, Pohang 790784, South Korea</p> <p>Field: CHEMISTRY</p>	1,315
17	<p>DENMARK - (92,734 total citations)</p> <p>Title: <i>Improved adsorption energetics within density-functional theory using revised Perdew-Burke-Ernzerhof functionals</i></p> <p>Authors: HAMMER B; HANSEN LB; NORSKOV JK</p> <p>Source: PHYS REV B, 59 (11): 7413-7421 MAR 15 1999</p> <p>Address: Univ Aalborg, Inst Phys, Pontoppidanstr 103, DK-9220 Aalborg, Denmark.</p> <p>Field: PHYSICS</p>	1,115
18	<p>INDIA - (253,520 total citations)</p> <p>Title: <i>Metal carboxylates with open architectures</i></p> <p>Authors: RAO CNR; NATARAJAN S; VAIDHYANATHAN R</p> <p>Source: ANGEW CHEM INT ED, 43 (12): 1466-1496 2004</p> <p>Address: Jawaharlal Nehru Ctr Adv Sci Res, Chem & Phys Mat Unit, Jakkur PO, Bangalore 560064, Karnataka, India.</p> <p>Field: CHEMISTRY</p>	784
19	<p>ISRAEL - (109,410 total citations)</p> <p>Title: <i>Vascular endothelial growth factor (VEGF) and its receptors</i></p> <p>Authors: NEUFELD G; COHEN T; GENGRINOVITCH S; POLTORAK Z</p> <p>Source: FASEB J, 13 (1): 9-22 JAN 1999</p> <p>Address: Technion Israel Inst Technol, Dept Biol, IL-32000 Haifa, Israel.</p> <p>Field: BIOLOGY & BIOCHEMISTRY</p>	1,609
20	<p>RUSSIA - (273,189 total citations)</p> <p>Title: <i>Nanostructured materials from severe plastic deformation</i></p> <p>Authors: VALIEV RZ; ISLAMGALIEV RK; ALEXANDROV IV</p> <p>Source: PROG MATER SCI, 45 (2): 103-189 2000</p> <p>Address: Ufa State Aviat Tech Univ, Inst Phys Adv Mat, 12 K Marx St, Ufa 450000, Russia.</p> <p>Field: MATERIALS SCIENCE</p>	1,438

SOURCE: *Essential Science Indicators*SM from Thomson Reuters, 1999-August 31, 2009.

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