

The Red-Hot Research Papers of 2009		
Rank	Paper	Citations
1	E. Komatsu, <i>et al.</i> , "Five-year Wilkinson Microwave Anisotropy Probe observations: Cosmological interpretation," <i>Astrophys. J. Suppl. Ser.</i> , 180(2): 330-76, February 2009.	659
2	J. Dunkley, <i>et al.</i> , "Five-year Wilkinson Microwave Anisotropy Probe observations: Likelihoods and parameters from the WMAP data," <i>Astrophys. J. Suppl. Ser.</i> , 180(2): 306-29, February 2009.	274
3	O. Adriani, <i>et al.</i> , "An anomalous positron abundance in cosmic rays with energies 1.5-100 GeV," <i>Nature</i> , 458(7238): 607-9, 2 April 2009.	173
4	W. Duckworth, <i>et al.</i> , "Glucose control and vascular complications in veterans with type 2 diabetes," <i>New Engl. J. Med.</i> , 360(2): 129-39, 8 January 2009.	172
5	G. Hinshaw, <i>et al.</i> , "Five-year Wilkinson Microwave Anisotropy Probe observations: Data processing, sky maps, and basic results," <i>Astrophys. J. Suppl. Ser.</i> , 180(2): 225-45, February 2009.	171
6	F.H. Schröder, <i>et al.</i> , "Screening and prostate-cancer mortality in a randomized European study," <i>New Engl. J. Med.</i> , 360(13): 1320-8, 26 March 2009.	148
7	Novel Swine-Origin Influenza A (H1N1) Virus Investigation Team (F.S. Dawood, <i>et al.</i>), "Emergence of a novel swine-origin influenza A (H1N1) virus in humans," <i>New Engl. J. Med.</i> , 360(25): 2605-15, 18 June 2009.	141
8	N. Arkani-Hamed, <i>et al.</i> , "A theory of dark matter," <i>Phys. Rev. D</i> , 79(1): No. 015014, January 2009.	137
9	G.L. Andriole, <i>et al.</i> , "Mortality results from a randomized prostate-cancer screening trial," <i>New Engl. J. Med.</i> , 360(13): 1310-9, 26 March 2009.	130
10	J.L. Mega, <i>et al.</i> , "Cytochrome P-450 polymorphisms and response to clopidogrel," <i>New Engl. J. Med.</i> , 360(4): 354-62, 22 January 2009.	120
11	S. Finfer, <i>et al.</i> , "Intensive versus conventional glucose control in critically ill patients," <i>New Engl. J. Med.</i> , 360(13): 1283-97, 26 March 2009.	109
12	O. Adriani, <i>et al.</i> , "New measurement of the antiproton-to-proton flux ratio of up to 100GeV in the cosmic radiation," <i>Phys. Rev. Lett.</i> , 102(5): No. 051101, 6 February 2009.	108
13	K.S. Kim, <i>et al.</i> , "Large-scale pattern growth of graphene films for stretchable transparent electrodes," <i>Nature</i> , 457(7230): 706-10, 5 February 2009.	102
14	S.M. Lippman, <i>et al.</i> , "Effect of selenium and vitamin E on risk of prostate cancer and other cancers: The Selenium and Vitamin E Cancer Prevention Trial (SELECT)," <i>JAMA</i> , 301(1): 39-51, 7 January 2009.	102
15	D.C. Elias, <i>et al.</i> , "Control of graphene's properties by reversible hydrogenation: Evidence for graphane," <i>Science</i> , 323(5914): 610-3, 30 January 2009.	96
16	Z. Ahmed, <i>et al.</i> , "Search for weakly interacting massive particles with the first five-tower data from the Cryogenic Dark Matter Search at the Soudan Underground Laboratory," <i>Phys. Rev. Lett.</i> , 102(1): No. 011301, 9 January 2009.	95
17	M. Cirelli, "Model-independent implications of the $e^{+/-}$, P (over-bar) cosmic ray spectra on properties of Dark Matter," <i>Nucl. Phys. B</i> , 813(1-2): 1-21, 21 May 2009.	95
18	C. Fraser, <i>et al.</i> , "Pandemic potential of a strain of influenza A (H1N1): Early findings," <i>Science</i> , 324(5934): 1557-61, 19 June 2009.	93
19	C.J. Willer, <i>et al.</i> , "Six new loci associated with body mass index highlight a neuronal influence on body weight regulation," <i>Nature Genetics</i> , 41(1): 25-34, January 2009.	91
20	A. Gustavsson, "Algebraic structures on parallel M2 branes," <i>Nucl. Phys. B</i> , 811(1-2): 66-76, 11 April 2009.	89
21	T. Simon, <i>et al.</i> , "Genetic determinants of response to clopidogrel and cardiovascular events," <i>New Engl. J. Med.</i> , 360(4): 363-75, 22 January 2009.	85
22	M.R. Nolta, <i>et al.</i> , "Five-year Wilkinson Microwave Anisotropy Probe observations: Angular power spectra," <i>Astrophys. J. Suppl. Ser.</i> , 180(2): 296-305, February 2009.	84
23	K. Woltjen, <i>et al.</i> , "piggyBac transposition reprograms fibroblasts to induced pluripotent stem cells," <i>Nature</i> , 458(7239): 766-70, 9 April 2009.	83
24	P.M. Ho, <i>et al.</i> , "Risk of adverse outcomes associated with concomitant use of clopidogrel and proton pump inhibitors following acute coronary syndrome," <i>JAMA</i> , 301(9): 937-44, 4 March 2009.	81
25	A.A. Abdo, <i>et al.</i> , "Measurement of the cosmic ray $e^{+} + e^{-}$ spectrum from 20 GeV to 1 TeV with the Fermi Large Area Telescope," <i>Phys. Rev. Lett.</i> , 102(18): No. 181101, 8 May 2009.	80
26	V. Cvetkovic, <i>et al.</i> , "Multiband magnetism and superconductivity in Fe-based compounds," <i>EPL</i> , 85(3): No. 37002, February 2009.	80
27	P. Horava, "Quantum gravity at a Lifshitz point," <i>Phys. Rev. D</i> , 79(8): No. 084008, April 2009.	77
28	P.W. Serruys, <i>et al.</i> , "Percutaneous coronary intervention versus coronary-artery bypass grafting for severe coronary artery disease," <i>New Engl. J. Med.</i> , 360(10): 961-72, 5 March 2009.	77
29	M. Paez-Ribes, <i>et al.</i> , "Antiangiogenic therapy elicits malignant progression of tumors to increased local invasion and distant metastasis," <i>Cancer Cell</i> , 15(3): 220-31, 3 March 2009.	77
30	S.H. Park, <i>et al.</i> , "Bulk heterojunction solar cells with internal quantum efficiency approaching 100%," <i>Nature Photonics</i> , 3(5): 297-302, May 2009.	70
31	G. Thorleifsson, <i>et al.</i> , "Genome-wide association yields new sequence variants at seven loci that associate with measures of obesity," <i>Nature Genetics</i> , 41(1): 18-24, January 2009.	70
32	K. Kaji, <i>et al.</i> , "Virus-free induction of pluripotency and subsequent excision of reprogramming factors," <i>Nature</i> , 458(7239): 771-5, 9 April 2009.	69
33	P.L. Alireza, <i>et al.</i> , "Superconductivity up to 29 K in SrFe₂As₂ and BaFe₂As₂ at high pressures," <i>J. Physics- Condensed Matter</i> , 21(1): No. 012208, 7 January 2009.	69
34	A. Reina, <i>et al.</i> , "Large area, few-layer graphene films on arbitrary substrates by chemical vapor deposition," <i>Nano Letters</i> , 9(1): 30-5, January 2009.	69
35	F. Soldner, <i>et al.</i> , "Parkinson's disease patient-derived induced pluripotent stem cells free of viral reprogramming factors," <i>Cell</i> , 136(5): 964-77, 6 March 2009.	68
36	J.Y. Yu, <i>et al.</i> , "Human induced pluripotent stem cells free of vector and transgene sequences," <i>Science</i> , 324(5928): 797-801, 8 May 2009.	67
37	J.M.L. Ebos, <i>et al.</i> , "Accelerated metastasis after short-term treatment with a potent inhibitor of tumor angiogenesis," <i>Cancer Cell</i> , 15(3): 232-9, 3 March 2009.	66
38	A. Garber, <i>et al.</i> , "Liraglutide versus glimepiride monotherapy for type 2 diabetes (LEAD-3 Mono): a randomized, 52-week, phase III, double-blind, parallel-treatment trial," <i>Lancet</i> , 373(9662): 473-81, 7 February 2009.	65
39	R.J. Garten, <i>et al.</i> , "Antigenic and genetic characteristics of the swine-origin 2009 A(H1N1) influenza viruses circulating in humans," <i>Science</i> , 325(5937): 197-201, 10 July 2009.	64
40	F. Wang, <i>et al.</i> , "Functional renormalization-group study of the pairing symmetry and pairing mechanism of the FeAs-based high-temperature superconductor," <i>Phys. Rev. Lett.</i> , 102(4): No. 047005, 30 January 2009.	64
41	J. Tol, <i>et al.</i> , "Chemotherapy, bevacizumab, and cetuximab in metastatic colorectal cancer," <i>New Engl. J. Med.</i> , 360(6): 563-72, 5 February 2009.	63
42	T.E. Klein, <i>et al.</i> , "Estimation of the warfarin dose with clinical and pharmacogenetic data," <i>New Engl. J. Med.</i> , 360(8): 753-64, 19 February 2009.	62
43	J.P. Collet, <i>et al.</i> , "Cytochrome P450 2C19 polymorphism in young patients treated with clopidogrel after myocardial infarction: a cohort study," <i>Lancet</i> , 373(9660): 309-17, 24 January 2009.	61
44	B.C. Fellstrom, <i>et al.</i> , "Rosuvastatin and cardiovascular events in patients undergoing hemodialysis," <i>New Engl. J. Med.</i> , 360(14): 1395-1407, 2 April 2009.	60