

November 29, 2022

BURTON H. SINGER

Date of Birth: June 12, 1938
Place of Birth: Chicago, Illinois
Citizenship: American

Education

B.S. Engineering Science, Case Institute of Technology, 1959
M.S. Mechanical Engineering, Case Institute of Technology, 1961
Ph.D. Statistics, Stanford University, 1967

Professional Background

Academic

Adjunct Professor, Emerging Pathogens Institute and Department of Mathematics, University of Florida, 7/2010 —
Adjunct Professor, Weill - Cornell Graduate School of Medical Sciences, Cornell University, 7/2013 --
Courtesy Professor, Emerging Pathogens Institute, University of Florida, 6/2009 -- 7/2010
Charles and Marie Robertson Professor of Public and International Affairs, Princeton University, 1999 – 6/2009 _
Senior Research Scientist, Institute on Aging, University of Wisconsin, 2005 – 2/2009
Professor of Demography and Public Affairs, Princeton University, 1994 – 6/2009
Ira Vaughan Hiscock Professor of Epidemiology and Public Health, Yale University, 1991-1994
Chairman Epidemiology and Public Health and Associate Dean for Public Health, Yale School of Medicine 1989-1993
Professor of Public Health, Statistics and Economics, Yale University, 1985-1994
Visiting Investigator, Biostatistics Laboratory, Sloan-Kettering Institute for Cancer Research, 1979-1981
Adjunct Professor, Rockefeller University 1977-1990
Professor of Mathematical Statistics, 1977-1985, Chairman, Department of Statistics, 1983-1985, Columbia University
Adjunct Associate Professor, Rockefeller University, 1975-1977
Associate Professor of Mathematical Statistics, Columbia University, 1972-1977
Visiting Research Associate, Princeton University, 1972-1973
Assistant Professor of Mathematical Statistics, Columbia University, 1967-1972
Teaching Assistant, Stanford University, 1963-1967
Teaching Assistant, Case Institute of Technology, 1961-1962

Government and Industrial

Consultant - Glaxo Smith Kline, Philadelphia, PA, 2014 - 2016
Consultant – Health Impact Assessments, Newfields, Inc., Atlanta, GA, 2009 --
Statistical Consultant, SRI, International, Menlo Park, California, 1978-1980

Statistical Consultant, New York Hospital-Cornell Medical Center, 1978-1985
Statistical Consultant, National Opinion Research Center, University of Chicago, 1977-1980
Statistical Consultant, Social Security Administration, Baltimore, Maryland, 1977-1980
Statistical Consultant, U.S. Atomic Energy Commission, 1973-1975
Statistical Consultant, RAND Corporation, Santa Monica, California, 1971-1978
Statistical Consultant, Union Carbide Corporation, New York, New York, 1971-1978
Research Engineer, IBM Corporation, San Jose, California, 1963-1964
Circuit Design Engineer, Motorola, Inc., Chicago, Illinois, 1958-1960 (summer only)

Professional Societies

Population Association of America, 1994-2005
American Association for the Advancement of Science, 1972-2006
Psychometric Society, 1972-1978
American Statistical Association, 1971-1995
Institute of Mathematical Statistics, 1963-1970
Institute of Radio Engineers, 1959-1963
Institute of Aeronautical Sciences, 1958-1960

Honors

Gold Medal Award, Case Alumni Association (Class of 1959), Case Institute of Technology, 2009
Elected to National Academy of Medicine (formerly Institute of Medicine), 2005
Elected to National Academy of Sciences, 1994
Mindel C. Sheps Award for Outstanding Contribution to Mathematical Demography, Population Association of America, 1994
Elected to Connecticut Academy of Science and Engineering, 1993
Elected Fellow of American Association of Advancement of Science, 1984
Guggenheim Fellow, 1981-1982
Invited to be a Fellow at the Center for Advanced Study in the Behavioral Sciences, Stanford, California, 1980
Elected Fellow of American Statistical Association, 1980
Elected to Sigma Xi, 1961

Other Professional Activities

Member, Board of Trustees, Bermuda Institute of Ocean Sciences (BIOS), 2016 --
Member, Review Panel for NIH Pioneer Awards, 2014 -- 2016
Member, Foundation Board & Associate Editor, 'Evolution, Medicine, and Public Health', Oxford University Press 2012 --
Member, International Science Advisory Board, Community Health Management Program for Papua New Guinea Liquid Natural Gas (PNG/LNG) Project, 2011 -- 2015
Member, Research Board, Gulf of Mexico Research Initiative, American Institute of Biological Sciences 2010 --
Member, National Advisory Council on Aging, NIH, 2007 -- 2008
Member, Visiting Committee, Harvard School of Public Health, 2007 -- 2016
Coordinator, Malaria Task Force, UN Millenium Project, United Nations, NY 2002 -- 2006

Chair, National Research Council Panel on Future Directions for Behavioral and Social Science Research at NIH, 1999-2000

Member, Advisory Board, American Museum of Natural History, Exhibit on Infectious Diseases 1997-98

Member, Scientific Advisory Board, Santa Fe Institute, 1997- 2008

Member, Commission on Behavioral and Social Science and Education, National Research Council, 1996- 2002

Member, John D. and Catherine T. MacArthur Foundation Network on SES and Health, 1995- 1999.

Member, Scientific and Technical Advisory Committee, Tropical Disease Research Program, World Health Organization, 1995- 1999.

Member, Board on Environmental Studies and Toxicology, National Research Council, 1994- 1997.

Chairman, Steering Committee for Applied Field Research, Tropical Disease Research Program, World Health Organization, 1993-1995

Member, John D. and Catherine T. MacArthur Foundation Health and Behavior Network, 1992-1994

Member, Editorial Board, Springer-Verlag Series in Statistics, 1988-1996

Chairman, Steering Committee for Socio-Economic Research, Tropical Disease Research Program, World Health Organization, 1988-1993

Member, Executive Committee, Board of Directors, Social Science Research Council, 1987- 2000.

Member, Editorial Board, Springer-Verlag Series, "Frontiers of Primary Medicine," 1984-

Chairman, Panel on Immigration Statistics, National Research Council, National Academy of Sciences, 1982-1985

Member, Study Section on Social Science and Population, National Institutes of Health, 1982-1985

Member, Committee on National Statistics, National Research Council of National Academy of Sciences 1981-1985, Chairman, 1987-1993

Editorial Board, Sociological Methodology, 1980-1983

Consulting Editor, American Journal of Sociology, 1980-1983

Member, Advisory Panel on Measurement Methods and Data Resources, U.S. National Science Foundation, Division of Social Sciences, 1979-1981

Chairman, Committee on Longitudinal Methodology, Social Science Research Council, 1976-1980

Co-Chairman, Advisory Board, Center for the Social Sciences, Columbia University, 1979-1980

Member 1976-1978, Chairman 1979-1984, Advisory Board, Department of Statistics, Princeton University

PhD Advisees

Paul Tobias (Columbia University, 1971)

Thomas Louis (Columbia University, 1972)

Gloria Main (Columbia University, 1973; co-advisor with Stuart Bruchey)

Thomas Mueller (Columbia University, 1977)

Thomas DiPrete (Columbia University, 1978)

Halina Frydman (Columbia University, 1978)

Ann Robrock (Columbia University, 1981)

Barbara Molfino McIntyre (Columbia University, 1985; co-advisor with John Imbrie)

Jeanne Courval (Columbia University, 1992)

Anne Cross (Yale University, 1987)

Tatsu Kakuma (Yale University, 1990)
 Roberto Chuit (Yale University, 1996)
 Dolores Aceveido-Garcia (Princeton University, 1996)
 Paola Marchesini (Federal University of Minas Gerais, Brazil, 1999)
 Deborah Peikes (Princeton University, 2000)
 Marcia Castro (Princeton University, 2002)
 Lauren Hale (Princeton University, 2003)
 Yesim Tozan (Princeton University, 2004)
 Rebecca Katz (Princeton University, 2005)
 Susan Cassels (Princeton University, 2005)
 Derek Willis (Princeton University, 2010)
 Luke MacDonald (Princeton University, 2010; co-advisor with Peter Jaffe)
 Taniecia Arceneaux (Princeton University, 2012)
 Jo Ann Lee (University of Florida, 2014; co-advisor with James Keesling)
 Nicholas Sizemore (University of Florida, 2021)

Publications

Publications are listed chronologically within each of the following subject-matter categories: Mathematics, Statistics/Methodology, Tropical Health, Integrative Pathways to Health & Illness, Clinical Medicine, Sociology, Genetics, and Miscellaneous

Mathematics

- Singer, Burton. (Review) Markov Processes and Potential Theory. Edited by J. Chover. Journal of American Statistical Association, 64:394 - 397. 1969.
- Singer, Burton. Some Asymptotic Results in a Model of Population Growth, I. A Class of Birth and Death Processes. Annals of Mathematical Statistics, 41(1):115 - 132. 1970.
- Singer, Burton. Stochastic Models in Population Genetics. N.Y.U. Courant Institute Seminar Notes on Mathematical Biology, pp. 69 - 84. June/July 1970.
- Singer, Burton. Some Asymptotic Results in a Model of Population Growth, II: Positive Recurrent Chains. Annals of Mathematical Statistics, 42(4): 1296 - 1315. 1971
- Brezis, H.; Rosenkrantz, W.; Singer, B. An Extension of Khintchine's Estimate for Large Deviations to a Class of Markov Chains Converging to a Singular Diffusion, I. Bulletin of American Mathematical Society, 77(6):980 - 982. 1971.
- Brezis, H.; Rosenkrantz, W.; Singer, B. An Extension of Khintchine's Estimate for Large Deviations to a Class of Markov Chains Converging to a Singular Diffusion, II. Communications on Pure and Applied Mathematics, 24:705 - 726. 1971.
- Brezis, H.; Rosenkrantz, W.; Singer, B. On a Degenerate Elliptic/Parabolic Equation Occurring in the Theory of Probability. Communications on Pure and Applied Mathematics, 24:395 - 416. 1971.
- Singer, B., Spilerman, S. Trace Inequalities for Mixtures of Markov Chains. Advances in Applied Probability, 9(4):747 - 764. 1977.
- Frydman, H.; Singer, B. Total Positivity and the Embedding Problem for Markov Chains. Mathematical Proceedings of the Cambridge Philosophical Society, 86:339 - 344. 1979.

- Pincus, S; Singer, B. Randomness and Degrees of Irregularity. Proceedings of the National Academy of Sciences, 93:2083-2088. March, 1996.
- Singer, B; Pincus, S. Irregular Arrays and Randomization. Proceedings of the National Academy of Sciences, 95:1363-1368. 1998.
- Pincus, S; Singer, B. A Recipe for Randomness. Proceedings of the National Academy of Sciences, 95: 10367-10372. 1998.
- Pincus, S; Singer, B. A zoo of computable binary normal sequences. Proceedings of the National Academy of Sciences, 109(47): 19145 - 19150. 2012
- Pincus, S; Singer, B. Higher-order dangers and precisely constructed taxa in models of randomness. Proceedings of the National Academy of Sciences, 111(15): 5485 - 5490. 2014

Statistics/Methodology

- Fleehinger, B.J.; Louis, T.; Robbins, H.; Singer, B. Reducing the Number of Inferior Treatments in Clinical Trials. Proceedings of National Academy of Sciences, 69(10):2993 - 2994. 1972.
- Singer, B; Spilerman, S. Social Mobility Models for Heterogeneous Populations. Sociological Methodology, pp. 356 - 401. Edited by H. Costner. Jossey Bass, Inc.; San Francisco. 1974.
- Singer, B; Spilerman, S. Identifying Structural Parameters of Social Processes Using Fragmentary Data. Proceedings of 40th Session of International Statistical Institute, Warsaw, Poland, 2:681 - 697. September 1975.
- Singer, Burton. Exploratory Strategies and Graphical Displays. Journal of Interdisciplinary History, 7(1):57 - 70. 1976.
- Singer, Burton; Spilerman, Seymour. Some Methodological Issues in the Analysis of Longitudinal Surveys. Annals of Economic and Social Measurement, 5(4):447 - 474. 1976.
- Singer, Burton; Spilerman, Seymour. The Representation of Social Processes by Markov Models. American Journal of Sociology, 82(1):1 - 54. 1976.
- Singer, Burton; Spilerman, Seymour. Fitting Stochastic Models to Longitudinal Survey Data Some Examples in the Social Sciences. Bulletin of International Statistical Institute, 47(3):283 - 300. 1977.
- Barnett, A.; Kleitman, D.J.; Rosenbaum, D.; Singer, B. A Statistical Procedure for Testing Nuclear Powered Cardiac Pacemakers. Technometrics, pp. 221 - 226. August 1978.
- Singer, B, Spilerman, S. Clustering on the Mail Diagonal in Mobility Matrices. Sociological Methodology, pp. 172 - 208. Edited by K. Schuessler. Jossey Bass, Inc. San Francisco. 1978.
- Singer, B, Spilerman, S. Mathematical Representations of Development Theories. Longitudinal Research in Human Development Methodology, pp. 155 - 177. Edited by P. Baltes and J. Nesselroade. Academic Press: New York. 1979.
- Singer, B, Cohen, JE. Estimating Malaria Incidence and Recovery Rates from Panel Surveys. Mathematical Biosciences, 49:273 - 305. 1980.
- Singer, Burton. Estimating Nonstationary Markov Chains from Panel Data. Sociological Methodology, pp. 319 - 337. Jossey Bass, Inc.: San Francisco. 1980.
- Singer, Burton. Individual Histories as the Focus of Analysis in Longitudinal Surveys. Journal of Economics and Business, 32(2):126 - 135. 1980.
- Singer, Burton. Aspects of Nonstationarity. Journal of Econometrics, 18(1):169 - 190. 1982.
- Heckman, J, Singer, B. Population Heterogeneity in Demographic Models. Multidimensional Mathematical Demography, pp. 567 - 599. Academic Press: New York. 1982.
- Gilbert, A. Singer, B. Reassessing Zooarchaeological Quantification. World Archaeology, 14(1):21 - 40. 1982.

- Heckman, J, Singer, B. The Identification Problem in Econometric Models of Duration Data. Advances in Econometrics, pp. 39 - 77. Edited by W. Hildenbrand. Cambridge University Press: New York. 1982.
- Gilbert, A, Singer, B, Perkins, D. Quantification Experiments on Computer Simulated Faunal Collections. OSSA, 8:79 - 94. 1983.
- Heckman, J, Singer, B. A Method for Minimizing the Impact of Distributional Assumptions in Econometric Models for Duration Data. Econometrica, 52(2):271 - 320. 1984.
- Heckman, J, Singer, B. Econometric Duration Analysis. Journal of Econometrics, 24(102):63 - 132. 1984.
- Heckman, J, Singer, B. Identifiability in Proportional Hazard Models. Review of Economic Studies, 51(2):231-242. 1984.
- Singer, Burton. Mathematical Models of Infectious Disease: Seeking New Tools for Planning and Evaluating Control Programs. Child Survival: Strategies for Research. Supplement to Population and Development Review, 10:347 - 365. 1984.
- Heckman, J, Singer, B. Longitudinal Analysis of Labor Market Data. Cambridge University Press: New York. 1985.
- Frydman, H, Singer, B. Assessing Qualitative Features of Longitudinal Data. Pp.308-324 in James Heckman and Burton Singer (eds.) Longitudinal Analysis of Labor Market Data. New York:Cambridge University Press 1985.
- Fienberg, SE, Singer, B, Tanur, JM. Large Scale Social Experimentation in the U.S.A. International Statistical Institute Centenary Volume: A Celebration of Statistics, pp. 251 - 290. Edited by A. Atkinson and S. Fienberg. SpringerVerlag: New York. 1985.
- Singer, Burton. Longitudinal Data Analysis. Encyclopedia of the Statistical Sciences, 5:142 - 155. Edited by N. Johnson and S. Kotz. John Wiley and Sons: New York. 1985.
- Heckman, J, Singer, B. Econometric Analysis of Labor Market Data. Handbook of Econometrics, 3:1689 - 1763. Edited by Z. Griliches and M. Intriligator. Amsterdam: North Holland. 1986.
- Nierenberg A, Jekel J, Singer B. Is standard deviation always the right choice? American J. Psychiatry, 143: 1198 - 1199. 1986
- Singer, B, Marini, M. Advancing Social Research: An Essay Based on S. Lieberman's 'Making it Count.' Sociological Methodology, pp. 373 - 391. Edited by C. Clogg. JosseyBass: San Francisco. 1987.
- Black, FL, Singer, B. Elaboration versus Simplification in Refining Mathematical Models of Infectious Disease. Annual Review of Microbiology, pp. 677 - 701. Edited by L.N. Ornstein. Annual Reviews, Inc.: Palo Alto. 1987.
- Marini, M, Singer, B. Causality in the Social Sciences. Sociological Methodology, pp. 347 - 409. Edited by C. Clogg. American Sociological Association: Washington. 1988.
- Singer, B. Comment on Cleland and Verma, 'The World Fertility Survey: An Appraisal of Methodology.' Journal of American Statistical Association, 84(407):771 - 772. 1989.
- Singer, B. Grade of Membership Representation: Concepts and Problems. Probability, Statistics and Mathematics: Papers in Honor of Samuel Karlin, pp. 317 - 334. Edited by T.W. Anderson, K.B. Athreya and D. Iglehart. Academic Press. 1989.
- Singer, B. T.W. Anderson and Panel Analysis. The Collected Papers of T.W. Anderson: 1943-1985, 2:1651 - 1655. John Wiley and Sons: New York. 1990.
- Singer, B. Comment on Jack E. Triplett, 'The Federal Statistical System's Response to Emerging Data Needs.' Journal of Economic and Social Measurement, 17(3,4):185 - 188. 1991.
- Manton, KG, Stallard, E, Singer, B. Projecting the Future Size and Health Status of the U.S. Elderly Population. International Journal of Forecasting, 8:433 - 458. 1992.
- Manton, KG, Singer, B, Woodbury, M. Some Issues in the Quantitative Characterization of Heterogeneous Populations. Demographic Applications of Event History Analysis, pp. 9 - 37. Edited by J. Trussell, R. Hankinson and J. Tilton. Oxford University Press. 1992.

- Manton, KG, Singer, B, Suzman, R. The Scientific and Policy Needs for Improved Health Forecasting Models for Elderly Populations. Forecasting the Health of Elderly Populations, pp. 335. Edited by K.G. Manton, B. Singer and R. Suzman. Springer-Verlag: New York. 1993.
- Manton, KG, Singer, B, Stallard, E. Cancer Forecasting: Cohort Models of Disease Progression and Mortality. Forecasting the Health of Elderly Populations, pp. 109 - 136. Edited by K.G. Manton, B. Singer and R. Suzman. SpringerVerlag: New York. 1993.
- Manton, KG, Stallard, E, Singer, B. Methods for Projecting the Size and Health Status of Elderly Populations. Economics of Aging, pp. 42-77. Edited by D. Wise. University of Chicago Press: Chicago. 1994.
- Horwitz, RI, Singer, B, Viscoli, C, Makuch, R. Can Treatment that is helpful on Average be Harmful to Some Patients? A Study of the Conflicting Information Needs of Clinical Inquiry and Drug Regulation. Journal of Clinical Epidemiology, 49(4):395-400. 1996.
- Horwitz, RI, Singer, B, Makuch, R, Viscoli, C. On Reaching the Tunnel at the End of the Light. Journal of Clinical Epidemiology, 50(7):753-755. 1997.
- Singer, B, Ryff, CD, Carr, D, Magee, W. Linking Life Histories and Mental Health: A Person-Centered Strategy. Sociological Methodology, 1998 pp. 1-51. Edited by Adrian Raftery. American Sociological Association: Washington. 1998.
- Horwitz, RI, Singer, B, Makuch, R, Viscoli, C. Clinical vs. Statistical Considerations in The Design and Analysis of Clinical Research Journal of Clinical Epidemiology, 51(4): 305-307. 1998.
- Horwitz, RI, Singer, B, Makuch, R, Viscoli, C. Response to 'On Subgroups and Groping for Significance.' Journal of Clinical Epidemiology, 51(12): 1367-1368. 1998.
- Singer, B, Manton, KG. The Effects of Health Changes on Projections of Health Service Needs for the Elderly Population of the United States. Proceedings of the National Academy of Sciences, 95:15618-15622. 1998.
- van Vliet, C, Holmes, KK, Singer, B, Habbema, JDF. The effectiveness of HIV prevention strategies under alternative scenarios: Evaluation with the STDSIM model. Pp. 207-237 in Ainsworth, M., Fransen, L. and Over, M. (eds.). Confronting AIDS: Evidence from the Developing World Brussels, Belgium: The European Commission (1998).
- Zhang, H, Singer, B. Recursive Partitioning in the Health Sciences. New York: Springer-Verlag (1999)
- Zhang, H, Yu, C-Y, Singer, B, and Xiong, M. Recursive Partitioning for tumor classification with gene expression microarray data. Proceedings of National Academy of Sciences. 98(12): 6730-6735. 2001
- Singer, B. Longitudinal Data Analysis: Person-Centered Methods. Pp. 9058-9063 in P. Baltes and N. Smelser (eds.) International Encyclopedia of the Behavioral and Social Sciences. Oxford, UK: Elsevier. 2002 .
- Zhang, H, Yu, C-Y, Singer, B. Cell and Tumor Classification using gene expression data: Construction of Forests. Proceedings of National Academy of Sciences. 100(7): 4168-4172. 2003
- Castro, MC, Singer B. Controlling the False Discovery Rate: A New Application to Account for Multiple and Dependent Tests in Local Statistics of Spatial Association. Geographical Analysis, 38:180 – 208. 2006.
- Katz, RL, Singer BH. Can an attribution assessment be made for Yellow Rain? – Systematic reanalysis in a chemical-and-biological weapons use investigation. Politics and the Life Sciences, 26(1): 24 – 42. 2007
- Zhang H, Singer B. Recursive Partitioning and Applications. New York: Springer – Verlag. 2010
- Singer BH, Castro MC. Interpretability Constraints and Tradeoffs in Mixed Membership Models. pp.159-172 in EM Airoldi, D Blei, E Erosheva, SE Fienberg (Eds.), Handbook of Mixed Membership Models, Chapman and Hall/CRC. 2014
- Pearson CAB, Singer BH, Airoldi E. Challenges to Understanding Covert Groups. pp. 198 - 213 in Luke Gerdes (Ed.) Illuminating Dark Networks: The Study of Clandestine Groups and Organizations. New York: Cambridge University Press. 2015

- Castro MC, Maheu-Giroux M, Chiyaka C, Singer BH. Malaria Incidence Rates from Time Series of 2-wave panel surveys. PLoS Computational Biology. DOI:10.1371/journal.pcbi.1005065 (August 10, 2016: 26pp.). 2016
- Heckman JJ, Singer BH. Abducting Economics. American Economic Review, 107(5): 298 - 302. 2017
- Russo M, Singer BH, Dunson DB. Multivariate mixed membership modeling: Inferring domain-specific risk profiles. Annals of Applied Statistics, 16(1): 391 - 413. 2022

Tropical Health: Humans, Animals, and Plants

- Cohen, JE, Singer, B.. Malaria in Nigeria: Constrained Continuous-time Markov Models for Discrete-time Longitudinal Data on Human Mixed-Species Infections. Some Mathematical Questions in Biology. Edited by S. Levin. Also in Lectures on Mathematics in the Life Sciences, 12:69-133. American Mathematical Society: Providence. 1979.
- Wertheimer, S, Vermund, S, Lumey, LH, Singer, B. Lack of Demonstrable Density Dependent Fecundity of Schistosomiasis Mansonii: Analysis of Egyptian Quantitative Human Autopsies. American Journal of Tropical Medicine and Hygiene, 37(1):79-84. 1987.
- Singer, Burton. Social Science and the Improvement of Tropical Disease Control Programs. Biomedical Science and the Third World: Under the Volcano, 569:275-287. Edited by B. Bloom and A. Cerami. Annals of the New York Academy of Sciences. 1989.
- Cross, AP, Singer, B. Modeling the Development of Resistance of 'Plasmodium Falciparum' to AntiMalarial Drugs. Transactions of the Royal Society of Tropical Medicine and Hygiene, 85:349-355. 1991.
- Singer, B., Sawyer, DO. Perceived Malaria Illness Reports in Mobile Populations. Health Policy and Planning, 7(1):40-45. 1992.
- Montagnini, F, Singer, B, Auer, B, Muniz-Miret, N. Human Health and Effective Utilization of Tropical Forests. TRI News, 12(1):12. Journal of the Tropical Resources Institute. Yale University School of Forestry and Environmental Studies. 1993.
- Singer, Burton. Something Can Be Done About Malaria Today. HMS Beagle. Issue 88, 13 October at http://news.bmn.com/hmsbeagle/88/viewpts/op_ed. 2000
- Utzinger, J, Tanner, M, and Singer, B. Roll Back Malaria and the Potential of the Internet. Trends in Parasitology, 17(4): 159-161. 2001
- Utzinger, J, Tozan, Y, and Singer, B. Efficacy and Cost-Effectiveness of Environmental Management for Malaria Control. Tropical Medicine and International Health, 6(9):677-687. 2001
- Van Vliet, C, Meester, E, Korenromp, E, Singer, B, Bakker, R, Habbema, JDF. Focusing strategies of condom use against HIV in different behavioral settings: an evaluation based on a simulation model. Bulletin of the World Health Organization, 79(5):442-454. 2001
- Chuit R, Gurtler RE, MacDougall L, Segura EL, Singer B. Chagas Disease Risk Assessment by an Environmental Approach in Northern Argentina. Revista de Patologia Tropical, 30(2):193 – 207. 2001
- Castro MC, Singer BH. Agricultural Colonization, Environmental changes, and patterns of malaria transmission in the Tropical Rain Forest: The case of Machadinho D'Oeste, Rondonia, Brazil. Paper presented at 2000 meeting of Population Association of America, Los Angeles, CA, March 23 - 25. 2000: 62 pp.
- Singer, B, and Castro, MC, Agricultural Colonization and Malaria on the Amazon Frontier. Annals of New York Academy of Sciences. Vol. 954: 184-222. 2001
- Utzinger, J, Tozan, Y, Domani, F, and Singer, B. The Economic Payoffs of Malaria Control in the Zambian Copper Belt: 1930-1950. Tropical Medicine and International Health 7(8):657-677. 2002
- Keiser, J, N'Goran, E, Traore, M, Lohourignon, KL, Singer, BH, Lengeler, C, Tanner, M, & Utzinger, J. Poly-parasitism in *Schistosoma mansoni*, geohelminths & intestinal protozoa in rural Cote d'Ivoire. Journal of Parasitology, 88(3): 461-466. 2002.

- Utzinger, J, Tanner, M, Kammen, D, Killeen, G, Singer, B. Integrated Programme is Key to Malaria Control. Nature, 419: 431. 2002.
- Keiser, J, N’Goran, E, Singer, B, Lengeler, C, Tanner, M, Utzinger, J. Association between *Schistosoma Mansoni* and hookworm infections among schoolchildren in Cote d’Ivoire. Acta Tropica. 84(1): 31-41. 2002.
- Keiser, J, Utzinger, J, and Singer, B. The potential of intermittent irrigation for increasing rice yields, lowering water consumption, reducing methane emissions, and controlling malaria in African rice fields. Journal of the American Mosquito Control Association 18(4): 329-340. 2002.
- Keiser, J, Utzinger, J, Premji, Z, Yamagata, Y, and Singer, B. Acridine Orange for malaria diagnosis: It’s performance, it’s promotion and implementation in Tanzania, and the implications for malaria control. Annals of Tropical Medicine and Parasitology. 96(7): 643-654. 2002
- Utzinger, J, Keiser, J, Shuhua, X, Tanner, M, and Singer, B. Combination Chemotherapy of Schistosomiasis in Laboratory Studies and Clinical Trials. Antimicrobial Agents and Chemotherapy. 47(5): 1487-1495. 2003
- Utzinger, J, Muller, I, Vounatsou, P, Singer, B, N’Goran, E, Tanner, M. Random Spatial Distribution of Schistosoma Mansoni and Hookworm Infections among School Children within a Single Village. Journal of Parasitology. 89(4): 686-692. 2003
- Utzinger, J, Bergquist, R, Xiao, S-H, Singer, BH, & Tanner, M. Sustainable schistosomiasis control – the way forward. The Lancet. 362: 1932-1934. 2003
- Giardin, O, Daouda, D, Koudou, BG, Esse, C, Cisse, G, Yao, T, N’Goran, EK, Tschannen, AB, Bordmann, G, Lehmann, B, Nsambimana, C, Keiser, J, Killeen, GF, Singer, BH, Tanner, M & Utzinger, J. Opportunities and limiting factors of intensive vegetable farming in malaria endemic Cote d’Ivoire. Acta Tropica. 89: 109 -123. 2004
- Utzinger, J, Wyss, K, Moto, DD, Tanner, M & Singer, BH. Community Health Outreach of the Chad-Cameroon Petroleum Development and Pipeline Project. Clinics in Occupational and Environmental Medicine. 4(1): 9 – 26. 2004
- Castro, MC, Yamagata, Y, Mtasiwa, D, Tanner, M, Utzinger, J, Keiser, J & Singer, BH. Integrated urban malaria control: A case study in Dar es Salaam, Tanzania. American Journal of Tropical Medicine & Hygiene. Aug. 71 (2Suppl): 103 – 117. 2004
- Keiser, J, Utzinger, J, Castro, MC, Smith, TA, Tanner, M & Singer, BH. Urbanization in sub-Saharan Africa and implications for malaria control. American Journal of Tropical Medicine & Hygiene Aug. 71 (2Suppl): 118 – 127. 2004
- Raso, G, Luginbuhl, A, Adjoua, CA, Tian-BI, NT, Silue, KD, Matthys, B, Vounatsou, P, Wang, Y, Dumas, ME, Holmes, E, Singer, BH, Tanner, M, N’Goran, EK & Utzinger, J. Multiple parasite infections and their relationship to self-reported morbidity in a community of rural Cote d’Ivoire. International Journal of Epidemiology. 33(5): 1092 – 1102. 2004
- Wang Y, Holmes, E, Nicholson, JK, Cloarec, O, Chollet, J, Tanner, M, Singer, BH & Utzinger, J. Metabonomic investigations in mice infected with *Schistosoma mansoni*: an approach for biomarker identification. Proceedings of National Academy of Sciences. 101(34): 12676 – 12681. 2004
- Utzinger, J, Wyss, K, Moto, DD, Yemadji N, Tanner, M & Singer, BH. Assessing health impacts of the Chad-Cameroon petroleum development and pipeline project: challenges and a way forward. Environmental Impact Assessment Review, 25: 63 - 93. 2005
- Ezzati, M, Utzinger, J, Cairncross, S, Cohen AJ, & Singer, BH. Environmental Risks in the Developing World: Exposure Indicators for Evaluating Interventions, Programmes, and Policies. Journal of Epidemiology and Community Health. 59(1): 15 – 22. 2005
- Raso, G, Holmes E, Singer, BH, N’Goran, EK & Utzinger, J. Author’s Response (to E. McKenzie). International Journal of Epidemiology, 34(1): 222 -223. 2005
- Castro, MC, Singer, BH. Was malaria present in the Amazon before the European conquest? Available evidence and future research agenda. Journal of Archaeological Science. 32(3): 337 – 340. 2005

- Keiser, JR, Castro, MC, Maltese, MF, Bos, R, Tanner, M, Singer, BH, Utzinger, J. Effect of Irrigation and Large Dams on the Burden of Malaria on a Global and Regional Scale. American Journal of Tropical Medicine & Hygiene, 72(4): 392 – 406. 2005
- Keiser, JR, Maltese, MF, Erlanger, TE, Bos, R, Tanner, M, Singer, BH, Utzinger, J. Effect of irrigated rice agriculture on Japanese encephalitis including challenges and opportunities for integrated vector management. Acta Tropica, 95: 40 – 57. 2005
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