

# Ken Burnham: A Life in Science

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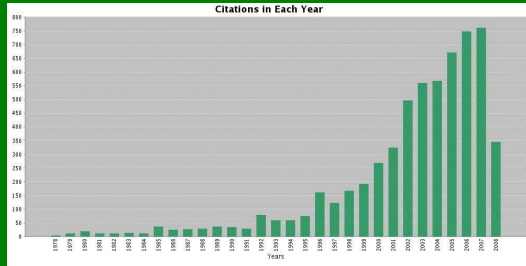


Figure: Annual citations of Ken's work. Source – ISI Web of Science

## Highly cited Publications

Total number of publications

White, G.C. and Burnham, K.P. (1999) Program MARK: Survival estimation from populations of marked animals. *Bird Study*, 46 S120-138

Lebreton, J.-D., Burnham, K.P., Clobert, J. and Anderson, D.R. (1992) Modeling survival and testing biological hypotheses using marked animals: A unified approach with case studies. *Ecological monographs*, 62(1) 67-118

Buckland, S.T., Anderson, D.R., Burnham, K.P., Laake, J.L., Borchers, D.L. and Thomas, L.J. (eds.) (2004) *Advanced Distance Sampling: Estimating Abundance of Biological Populations*. Oxford University Press.

White, G.C., Anderson, D.R., Burnham, K.P. and Otis, D.L. (1982) *Capture-Recapture and Removal methods for sampling closed populations*. Los Alamos National Laboratory Rep. LA-8787-NERP, Los Alamos, New Mexico, USA. 235pp.

Burnham, K.P. and Overton, W.S. (1978) Estimation of the size of a closed population when capture rates vary among animals. *Biometrika* 65 625-633

Brownie, C., Anderson, D.R., Burnham, K.P. and Robson, D.S. (1985) *Statistical inference from band recovery data – a handbook*. US Fish and Wildlife Service

Burnham, K.P., White, G.C., and Anderson, D.R. (1995) Model selection strategy in the analysis of capture-recapture data. *Biometrics* 51 888-898

Burnham, K.P. and White, G.C. (2002) Evaluation of some random effects methodology applicable to bird ringing data. *Journal of Applied Statistics* 29(1-4) 245-264



Burnham, K.P., and Anderson, D.R. (1976) Mathematical models for nonparametric inferences from line transect data. *Biometrics* 32(2) 325-336

Burnham, K.P., Anderson, D.R. and Laake, J.L. (1980) Estimation of density from line transect sampling of biological populations. *Wildlife Monographs*

Burnham, K.P. (1993) A Theory for combined analysis of ring recovery and recapture data. In: *Marked Individuals in the Study of Bird Populations*, J.D. Lebreton and P.M. North (eds.) Birkhauser Verlag.

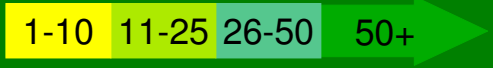
Buckland, S.T., Anderson, D.R., Burnham, K.P., Laake, J.L., Borchers, D.L. and Thomas, L.J. (2001) *An Introduction to Distance Sampling: Estimating Abundance of Biological Populations*. Oxford University Press.

Otis, D.L., Burnham K.P., White, G.C. and Anderson, D.R. (1978) Statistical inference from capture data on closed animal populations. *Wildlife Monographs* 62, 1 - 135

Burnham, K.P., Anderson, D.R., White, G.C., Brownie, C. and Pollock, K.H. (1987) *Design and analysis methods for fish survival experiments based on release-recapture*. American Fisheries Society Monograph 5.

Buckland, S.T., Burnham, K.P. and Augustin N.H. (1997) Model selection: An Integral part of inference. *Biometrics* 53 603-618

Burnham, K.P. and Anderson, D.R. (2002) *Model selection and multimodel inference: A practical information theoretic approach*. 2nd Ed. Springer



Number of citations of a paper contributed to by Ken



## Academic Awards

1990 – Fellow of the American Statistical Association (ASA)

1993 – Distinguished Achievement Medal, ASA

1994 - Distinguished Statistical Ecologist INTECOL

2007 – President of Western Region of International Biometric Society

2007 – Elected member of the International Statistical Institute