April/2005

C.S. Frenk: Publications

Books edited

E1. C.S. Frenk, R.S. Ellis, T. Shanks, A. Heavens and J. Peacock editors (1989) **The epoch of galaxy formation**, proceedings of the NATO ARW held at Durham, England, July 1988, eds. (Dordrecht: Kluwer Academic Publ.).

E2. T. Shanks, A. Banday, C.S. Frenk, R.S. Ellis, and A.R. Wolfendale editors (1991) **Observational tests of cosmological inflation**, proceedings of the NATO ARW held at Durham, England, Dec. 1990, eds. (Dordrecht: Kluwer Academic Publ.).

E3. C.S. Frenk & S.D.M. White (2000), **The formation of galaxies**, Philosophical transactions of the Royal Society of London, series A, vol 358, proceedings of a Discussion Meeting held in London, Nov 1999, (Cambridge: the University Press).

A. Articles in refereed journals

A1. Frenk, C.S. and White, S.D.M., (1980) *The kinematics and dynamics of the Galactic globular cluster system*, Monthly Notices of the Royal astronomical Society, **193**, 295 - 311.

A2. Lynden-Bell, D. and Frenk, C.S. (1981) *On the circular velocity of the Galaxy*, The Observatory, **101**, 200 - 203.

A3. Frenk, C.S. and White, S.D.M., (1982) *The form of the Galactic globular cluster system and the distance to the Galactic Centre*, Monthly Notices of the Royal astronomical Society, **198**, 173 - 193.

A4. Frenk, C.S. and Fall, S.M. (1982) *An ellitpticity-age relation for globular clusters in the Large Magellanic Cloud I. Measurements*, Monthly Notices of the Royal astronomical Society **199**, 565 - 580.

*A5. Frenk, C.S., White, S.D.M. and Davis, M. (1983) *Non-linear evolution of large-scale structure in the Universe*, Astrophysical Journal, **271**, 417 - 430.

A6. White, S.D.M., Frenk, C.S. and Davis, M. (1983) *Clustering in a neutrino-dominated Universe*, Astrophysical Journal, **274**, L1 - L5.

A7. Fall, S.M. and Frenk, C.S. (1983) *The true shapes of globular clusters*, Astronomical Journal, **88**, 1626 - 1632.

A8. White, S.D.M., Davis, M. and Frenk, C.S. (1984) *The size of clusters in a neutrino-dominated Universe*, Monthly Notices of the Royal astronomical Society, **209**, 27p - 31p.

A9. Efstathiou, G., Davis, M., Frenk, C.S. and White, S.D.M. (1985) *Numerical techniques for large cosmological N-body simulations*, Astrophysical Journal Supplement Series, **57**, 241 260.

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A11. Barnes, J., Dekel, A., Efstathiou, G and Frenk. C.S. (1985) *Cluster-cluster clustering*, Astrophysical Journal, **295**, 368 - 373.

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A14. Frenk, C.S. (1986) *Galaxy clustering and the dark matter problem*, Philosophical Transactions of the Royal Society, **320**, 517 - 541.

A15. Ling, N. Frenk, C.S. and Barrow, J.D. (1986) *Uncertainties in the cluster-cluster correlation function*, Monthly Notices of the Royal astronomical Society, **223**, 21p - 29p.

A16. White, S.D.M., Frenk, C.S., Efstathiou, G. and Davis, M. (1987) *Clusters, filaments and voids in a universe dominated by cold dark matter*, Astrophysical Journal, **313**, 505 - 516.

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*A18. Frenk, C.S., White, S.D.M., Efstathiou, G. and Davis, M. (1988) *The formation of dark halos in a universe dominated by cold dark matter*, Astrophysical Journal, **327**, 507 - 525.

A19. Lawrence, A., Crawford, J., Ellis, R.S., Efstathiou, G., Frenk, C.S., Kaiser, N., Rowan-Robinson, M. and Saunders, W. (1988) *Extreme Fe II emission from an IRAS quasar*, Monthly Notices of the Royal astronomical Society, **235**, 261 - 268.

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A22. Saunders, W., R.S. Ellis, G. Efstathiou, Frenk, C.S. N. Kaiser, A. Lawrence, and M. Rowan-Robinson (1990) *The 60 μm and far-infrared luminosity functions of IRAS galaxies*, Monthly Notices of the Royal astronomical Society, **242**, 318-337.

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A29. Kaiser, N., Efstathiou, G., Ellis, R.S., Frenk, C.S., Lawrence, A., Rowan-Robinson, M. and Saunders, W. (1991) *The Large-scale structure and gravity of IRAS galaxies*, Monthly Notices of the Royal astronomical Society, **252**, 1-12.

*A30. White, S.D.M. and Frenk, C.S. (1991) *Galaxy formation through hierarchical clustering*, Astrophysical Journal, **379**, 52-79.

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A33. Moore, B., Frenk, C.S., Weinberg, D.H., Saunders, W., Lawrence, A., Ellis, R.S, Kaiser, N., Efstathiou, G. and Rowan-Robinson, M. (1992) *The topology of the QDOT IRAS redshift survey*, Monthly Notices of the Royal astronomical Society, **256**, 477-499.

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A37. White, S.D.M., Efstathiou, G. and Frenk, C.S. (1993) *The amplitude of mass fluctuations in the Universe*, Monthly Notices of the Royal astronomical Society, **262**, 1023-1028.

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The table in the next page gives citation statistics compiled from the *Science Citation Index*. The first column refers to the number of each paper as given in my publication list; the second column gives the year of publication; and the third column gives the cumulative number of citations up to *August 2002*.

Citation statistics for selected papers

paper No.	*year of publication*	*citations up to Aug.* 2002
A1	1980	161
A3	1982	88
A5	1983	149
A6	1983	230
A9	1985	312
A10	1985	845
A13	1985	126
A16	1987	291
A17	1987	154
A18	1988	236
A20	1988	288
A22	1990	234
A23	1990	193
A24	1990	157
A25	1990	150
A27	1991	297
A29	1991	115
A30	1991	349
A32	1992	86
A34	1993	66
A35	1993	72
A37	1993	356
A39	1993	455
A45	1994	262
A46	1995	253
A49	1996	494
A53	1996	414
A55	1996	140
A60	1997	59
A61	1997	50
A65	1997	500
A66	1998	168
A69	1998	152
A70	1998	103
A71	1998	66
A72	1998	97
A81	1999	64
A89	2000	69
A100	2000	83
A101	2001	78
A107	2001	46