

Bibliography of Marc Davis

- Marc Davis, R. Ruffini, William H. Press and Richard H. Price, "Gravitational Radiation from a Particle Falling Radially into a Schwarzschild Black Hole", *Phys. Rev. Let.*, **27**, 1466, 1971.
- Marc Davis and Remo Ruffini, "Gravitational Radiation in the Presence of a Schwarzschild Black Hole: A Boundary Value Search", *Let. Al Nuovo Cimento*, **2**, 1165, 1971.
- Marc Davis, Remo Ruffini, J. Tiomno and F. Zerilli, "Can Synchrotron Gravitational Radiation Exist?", *Phys. Rev. Lets.*, **28**, 1352, 1972.
- Marc Davis, Remo Ruffini, and J. Tiomno, "Pulses of Gravitational Radiation of a Particle Falling Radially into a Schwarzschild Black Hole", *Phys. Rev. D.*, **5**, 2932, 1972.
- Marc Davis and D.T. Wilkinson, "Search for Primeval Galaxies", *Astrophysical Journal*, **192**, 251, 1974.
- P. Crane, and Marc Davis, "Characteristics of the Silicon Diode Vidicon", *Publ. of the Astron Soc. of the Pacific*, **87**, 207, 1975.
- Marc Davis, "Television Surface Photometry of the Edge-on Spiral Galaxies NGC 3987 and NGC 5907", *Astronomical Journal*, **80**, 188, 1975.
- Marc Davis and Margaret J. Geller, "Galaxy Correlations as a Function of Morphological Type", *Astrophysical Journal*, **208**, 13, 1976.
- Marc Davis, "Galaxies and Cosmology", in *Frontiers of Astrophysics*, E. Avrett (ed.), Chapter 11, Harvard University Press, 1976.
- Marc Davis, E.J. Groth, and P.J.E. Peebles, "Study of Galaxy Correlations: Evidence for the Gravitational Instability Picture in a Dense Universe", *Astrophysical Journal Letters*, **212**, L107, 1977.
- Marc Davis and P.J.E. Peebles, "On the Integration of the BBGKY Equations for the Development of Strongly Non-Linear Clustering in an Expanding Universe", *Astrophysical Journal Supplement*, **34**, 425, 1977.
- Marc Davis, Margaret Geller, and John Huchra, "The Local Mean Mass Density of the Universe: New Methods for Studying Galaxy Clustering", *Astrophysical Journal*, **221**, 1, 1978.
- Marc Davis, "Evidence for the Gravitational Instability Picture in a Dense Universe", in *The Large Scale Structure of the Universe*, IAU Symp. **79**, 441, 1978.
- M.J. Geller, and Marc Davis, "On Application of Statistical Virial Theorems", *Astrophysical Journal*, **225**, 1, 1978.
- H.W. Schnopper, Marc Davis, J.P. Delville, M.J. Geller and J.P. Huchra, "Contribution of Intermediate Luminosity X-ray Galaxies to the Background: Anon 0945-30", *Nature*, **275**, 719, 1978.
- Rudy Schild, Marc Davis, "Properties of CD Galaxies in Poor Clusters", *Astronomical Journal*, **84**, 311, 1979.
- Marc Davis, Eric Feigelson, Dave Latham, "Grid Photography of the Halo NGC 4565", *Astronomical Journal*, **85**, 131, 1980.
- Marc Davis and Dave Latham, "Photon Counting Reticon Detector", in *Instrumentation in Astronomy III*, *SPIE*, **172**, 71, 1979.

- John Tonry and Marc Davis, "A Survey of Galaxy Redshifts I. Data Reduction Techniques", *Astronomical Journal*, **84**, 1511, 1979.
- Ray Weymann, Fred Chaffee, Marc Davis, Nat Carleton, D. Walsh, R.F. Carswell, "Multiple Mirror Telescope Observations of the Twin QSO's 0957+561A, B", *Astrophysical Journal Letters*, **233**, L43, 1979.
- Marc Davis, "Lower Limits to Fluctuations in the Microwave Background Radiation Induced During Recombination", *Physica Scripta*, **21**, 717, 1980.
- Marc Davis, Paul Boynton, "On the Present Observability of Density-Temperature Fluctuations in the Early Universe", *Astrophysical Journal*, **237**, 365, 1980.
- Marc Davis, "Searches for Primeval Galaxies - Past, Present, and Future," in *Objects at High Redshift*, eds. G. Abell and P. J. Peebles, IAU Symposium **92**, 1979.
- D.A. Schwartz, M. Davis, R.E. Doxsey, R.E. Griffiths, J. Huchra, M.D. Johnston, R.F. Moshotzky, J. Swank, and J. Tonry, "HEAO-1 Identification of the X-ray emitting Poor Cluster of Galaxies, AWM 7", *Astrophysical Journal Letters*, **238**, L53, 1980.
- J.C. Raymond, M. Davis, T. Gull, and R.A.R. Parker, "Optical Observation of a Fast Shock Wave of the Cygnus Loop", *Astrophysical Journal Letters*, **238**, L21, 1980.
- Marc Davis, J. Tonry, J. Huchra, and D.W. Latham, "On the Virgo Supercluster and the Mean Mass Density of the Universe", *Astrophysical Journal Letters*, **238**, L113, 1980.
- A.D. Haschick, J.M. Moran, M.J. Reid, M. Davis, and A.E. Lilley, "VLBI Observations of the Double Quasar, 0957+561", *Astrophysical Journal Letters*, **243**, L57, 1981.
- J.L. Tonry and Marc Davis, "Velocity Dispersions of Elliptical and SO Galaxies. I. Data and Mass to Light Ratios", *Astrophysical Journal*, **246**, 666, 1981.
- J.L. Tonry and Marc Davis, "Velocity Dispersions of Elliptical and SO Galaxies. II. The Infall of the Local Group to Virgo", *Astrophysical Journal*, **246**, 680, 1981.
- M. Elvis, E. Schreier, J. Tonry, M. Davis, and J. Huchra, "Two Optically Dull Galaxies with Strong Nuclear X-ray Sources", *Astrophysical Journal*, **246**, 20, 1981.
- Marc Davis, Mike Lecar, Tad Pryor, and Ed Witten, "The Formation of Galaxies from Massive Neutrinos", *Astrophysical Journal*, **250**, 423, 1981.
- Marc Davis, J. Huchra, D.W. Latham, and J. Tonry, "A Survey of Galaxy Redshifts II The Large Scale Space Distribution", *Astrophysical Journal*, **253**, 423, 1982.
- W.H. Press, and M. Davis, "How to Identify and Weigh Virialized Clusters of Galaxies in a Complete Redshift Catalog", *Astrophysical Journal*, **259**, 449, 1982.
- Marc Davis and J. Huchra, "A Survey of Galaxy Redshifts III The Density Field and the Induced Gravity Field", *Astrophysical Journal*, **254**, 437, 1982.
- Marc Davis, "The Large Scale Distribution of Galaxies," in *Astrophysical Cosmology*, Scripta Varia, **No. 48**, 1982.
- Marc Davis, "Galaxy Clustering and the Missing Mass," Phil. Trans. R. Society London, **307**, 111, 1982.

- J. Huchra, W. Wyatt, and M. Davis, "New Bright Seyfert Galaxies", *Astronomical Journal*, **87**, 1628, 1982.
- Marc Davis, J. Huchra, and D. Latham, "The Center for Astrophysics Redshift Survey," IAU Colloquium **104**, Crete, Aug. 1982.
- S. White, J. Huchra, D. Latham, and M. Davis, "An Observational Study of the Dynamics of Binary Galaxies," *M.N.R.A.S.*, **203**, 701, 1983.
- J. Huchra, M. Davis, D. Latham, and J. Tonry, "A Survey of Galaxy Redshifts IV The Data", *Astrophysical Journal Supplement*, **52**, 89, 1983.
- Marc Davis and P.J.E. Peebles, "A Survey of Galaxy Redshifts The Position and Velocity Correlations", *Astrophysical Journal*, **267**, 465, 1983.
- Marc Davis and P.J.E. Peebles, "Evidence for Local Anisotropy of the Hubble Flow," *Annual Review of Astronomy and Astrophysics*, **21**, 109, 1983.
- C. Frenk, S. White, and M. Davis, "Nonlinear Evolution of Large Scale Structure in the Universe", *Astrophysical Journal*, **271**, 417, 1983.
- S. White, C. Frenk, M. Davis, "Is the Universe Made of Massive Neutrinos," *Third Moriond Astrophysics Meeting*, P. 117, March 1983.
- S. White, C. Frenk, M. Davis, "Clustering in a Neutrino Dominated Universe", *Astrophysical Journal Letters*, **274**, L1, 1983.
- M. Davis, "Large Scale Structure in the Universe and its Connection to Particle Physics," Abstract, **AIP Conference Proceedings**, No. 112, Particles and Fields, No. 32, A. Abashian, Ed., 1983.
- M. Davis, P. Hut, and R. Miller, "Extinction of Species By Periodic Comet Showers," *Nature*, **308**, 715, 1984.
- G. Efstathiou, M. Davis, C. Frenk, and S. White, "Numerical Techniques for Large Cosmological N-Body Simulations", *Astrophysical Journal Supplement*, **57**, 241, 1985.
- C. Frenk, S. White, and M. Davis, "Massive Neutrinos and Galaxy Formation", ESO/CERN Proceedings, Nov., 1983 Symposium.
- S. White, M. Davis, and C. Frenk, "The Sizes of Clusters in a Neutrino- Dominated Universe," 1984, *Monthly Notices of the Royal Astr. Society*, **209**, 27P.
- M. Davis, G. Efstathiou, C. Frenk, S. White, "The Evolution of Structure in a Universe Dominated by Cold Dark Matter", *Astrophysical Journal*, **292**, 371, 1985.
- M. Davis, "An Observational View of Large Scale Structure", *Inner Space-Outer Space*, p173, (ed. Kolb, Turner, Lindley, Olive, and Seckel), Univ. of Chicago Press, 1986.
- M. Davis and S. Djorgovski, "Galaxy Clustering as a Function of Surface Brightness", *Astrophysical Journal*, **299**, 15, 1985.
- N. Kaiser and M. Davis, "Massive Superclusters as a Probe of the Nature and Amplitude of Primordial Density Fluctuations", *Astrophysical Journal*, **297**, 365, 1985.
- C.S. Frenk, S. White, G. Efstathiou, and M. Davis, "Cold Dark Matter, the Structure of Galactic Halos, and the Origin of the Hubble Sequence", *Nature*, **317**, 595, 1985.

- M. Davis, "Evidence for Dark Matter in Galactic Systems", *IAU Symp. 117, "Dark Matter in the Universe"*, p. 97, ed. J. Kormendy and J. Knapp, , 1985.
- A. Meiksin and M. Davis, "Anisotropy of the Galaxies Detected by IRAS", *Astronomical Journal*, **91**, 191, 1986.
- J. Villumsen and Marc Davis, "Velocity Fields Around Large Clusters of Galaxies", *Astrophysical Journal*, **308**, 499, 1986.
- A. Meiksin and Marc Davis, "Anisotropy of the Galaxies Detected by IRAS", Proceedings of Nato/Asi workshop: "Galaxy Distances and Deviations from Universal Expansion", B. Madore and B. Tully (Eds.), p. 147, 1986.
- S. Djorgovski and Marc Davis, "An Improved Distance Indicator for Elliptical Galaxies", Proceedings of Nato/Asi workshop: "Galaxy Distances and Deviations from Universal Expansion", B. Madore and B. Tully (Eds.), p. 135, 1986.
- S. Djorgovski and Marc Davis, "Galaxy Surface Brightness and Clustering: A Test for Biased Galaxy Formation Scenarios?", Proceedings of Nato/Asi workshop: "Galaxy Distances and Deviations from Universal Expansion", B. Madore and B. Tully (Eds.), p. 291, 1986.
- J. V. Villumsen and Marc Davis, "Supercluster Infall Models", Proceedings of Nato/Asi workshop: "Galaxy Distances and Deviations from Universal Expansion", B. Madore and B. Tully (Eds.), p. 219, 1986.
- Nicola Vittorio, Roman Juszkiewicz and Marc Davis, "Large Scale Velocity Fields as a Test of Cosmological Models", *Nature*, **323**, 132, 1986.
- S. Djorgovski and Marc Davis, "Fundamental Properties of Elliptical Galaxies", *Astrophysical Journal*, **313**, 59, 1987.
- Simon White, Carlos Frenk, Marc Davis, and George Efstathiou, "Clusters, Filaments, and Voids in a Universe Dominated by Cold Dark Matter", *Astrophysical Journal*, **313**, 505, 1987.
- M. Davis, "The Southern Sky Survey and the IRAS Whole Sky Survey", XIIIth Texas Symposium on Relativistic Astrophysics, ed. M. Ulmer, p. 289, 1987.
- K. Ebner, S. Djorgovski, and Marc Davis, "A Search for Features in Early-Type Galaxies", *Astronomical Journal*, **95**, 422, 1987.
- C.S. Frenk, S.D.M. White, M. Davis, and G. Efstathiou, "The Formation of Dark Halos in a Universe Dominated by Cold Dark Matter", *Astrophysical Journal*, **327**, 507, 1988.
- L. N. da Costa, P. S. Pellegrini, W. L. W. Sargent, J. Tonry, M. Davis, A. Meiksin, D. W. Latham, J. W. Menzies, and I. A. Coulson, "The Southern Sky Redshift Survey", *Astrophysical Journal*, **327**, 544, 1988.
- Simon D. M. White, Marc Davis, George Efstathiou, and Carlos S. Frenk, "The Galaxy Distribution in a Cold Dark Matter Universe", *Nature*, **330**, 451, 1987.
- George Efstathiou, Carlos S. Frenk, Simon D. M. White, and Marc Davis, "Gravitational Clustering from Scale-free Initial Conditions", *Monthly Notices of the R.A.S.*, **235**, 715, 1988.
- Michael A. Strauss and Marc Davis, "A Redshift Survey of IRAS Galaxies", Third International IRAS conference, ed. A. Lawrence, and IAU 130, ed. J. Audouze, Marie Pellatan, and Alex Szalay, p.191, 1987.

- Marc Davis and George Efstathiou, “N-body Simulations of a Universe Dominated by Cold Dark Matter”, in *Large-Scale Motions in the Universe*, proceedings of the Vatican Study Week 1987, ed. V.C. Rubin and G.V. Coyne, Princeton Press 1988, p. 439.
- Michael A. Strauss and Marc Davis, “The Peculiar Velocity Field Predicted by the Distribution of IRAS Galaxies”, in *Large-Scale Motions in the Universe*, proceedings of the Vatican Study Week 1987, ed. V.C. Rubin and G.V. Coyne, Princeton Press 1988, p. 256 .
- Simon D. M. White, R. Brent Tully, and Marc Davis, “Clustering Bias in the *Nearby Galaxy Catalog* and in Cold Dark Matter Models” , *Astrophys. J. Lett*, **333**, L45,1988.
- August E. Evrard and Marc Davis, “The Fate of Cluster Gas in Neutrino Dominated Cosmologies” , *Nature*, **333**, 335, 1988.
- Marc Davis, Avery Meiksin, Michael Strauss, L. N. da Costa, and Amos Yahil, “On the Universality of the Two-Point Galaxy Correlation Function” , *Astrophys. J. Lett*, **333**, L9,1988.
- Krzysztof Gorski, Marc Davis, Michael Strauss, Simon White, and Amos Yahil, “Cosmological Velocity Correlations: Observations and Model Predictions” , *Astrophys. J.*, **344**, 1,1989.
- Marc Davis, “Large Scale Structure: Observations” , in 2nd Nanjing Summer School on Astrophysics, 1988.
- Marc Davis, “Summary of Workshop on Large Scale Structure” , in *Particle Astrophysics: Forefront Experimental Issues*, proceedings of 1988 Berkeley Workshop, ed. Eric B. Norman, World Scientific, 1989, p. 104.
- Carlos S. Frenk, Simon D.M. White, George Efstathiou, and Marc Davis, “Galaxy Clusters and the Amplitude of Primordial Fluctuations” , *Astrophys. J.*, **351**, 10, 1989.
- Michael A. Strauss and Marc Davis, “The Peculiar Velocity Field Predicted from the Distribution of IRAS Galaxies” , *The Large-Scale Structures and Peculiar Motions in the Universe*, ed. D.W. Latham and L.N. da Costa, conference in Rio de Janeiro 1989, PASP, p. 53, 1991.
- Marc Davis, “Summary: Problems and Prospects for Large Scale Structure Studies” , *The Large-Scale Structures and Peculiar Motions in the Universe*, ed. D.W. Latham and L.N. da Costa, conference in Rio de Janeiro 1989, PASP, p. 379, 1991.
- Michael Strauss, Marc Davis, Amos Yahil, and John Huchra, “A Redshift Survey of IRAS Galaxies I: Sample Selection” , *Astrophys. J.*, **361**, 49 (1990).
- Marc Davis, “Cosmic Structure: Looking Backward past zero” , *Nature (news and views)*, **343** , p. 699, 22 Feb. 1990.
- Amos Yahil, Michael Strauss, Marc Davis, and John Huchra, “A Redshifts Survey of IRAS Galaxies: II. Methods for Determining Self- Consistent Velocity and Density Fields” , *Astrophys. J.*, **372**, 380 (1991).
- Marc Davis, Michael Strauss, and Amos Yahil, “A Redshift Survey of IRAS Galaxies: III. N-body Simulations of the Reconstruction of the Velocity and Density Field” , *Astrophys. J.*, **372**, 394 (1991).
- L. N. da Costa, P. S. Pellegrini, Marc Davis, A. Meiksin, W. Sargent, and John Tonry, “Southern Sky Redshift Survey: The Catalog” , *Astrophys. J. Suppl.*, **75**, 935 (1991).

- Marc Davis, "Is Standard CDM Compatible With All Available Data?", in *The Early Observable Universe from Diffuse Backgrounds*, ed. B. Rocca-Volmerange *et al.*, Proceedings of the XXVIth Rencontre de Moriond, 1991, Editions Frontieres, p.339.
- F.R. Bouchet, R. Schaeffer, and M. Davis, "Non-Linear Clustering Properties of a CDM Universe", *Astrophys. J.*, **393**, 19 (1991).
- Michael Strauss, Marc Davis, Amos Yahil, and John Huchra, "A Redshift Survey of IRAS Galaxies IV: The Galaxy Distribution and the Inferred Density Field", *Astrophys. J.*, **385**, 421 (1992).
- Michael A. Strauss, Amos Yahil, and Marc Davis, "On the Derivation of Selection Functions from Redshift Survey Data", *Publ. A.S.P.*, **103**, 1012-1019 (1991).
- Karl B. Fisher, Michael Strauss, Marc Davis, Amos Yahil, and John Huchra, "The Density Evolution of IRAS Galaxies", *Astrophys. J.*, **389**, 188(1992).
- M. Davis, G. Efstathiou, C. S. Frenk, and S. D. M. White, "The End of Cold Dark Matter?", *Nature*, **356**, 489 (1992).
- Marc Davis, "Cosmology: The Modern Creation Myth", *Bull. of the American Academy of Arts and Sciences*, **XLV**, May1992, p.47-64.
- Michael A. Strauss, Amos Yahil, Marc Davis, John P. Huchra, and Karl Fisher, "A Redshift Survey of IRAS Galaxies V: The Acceleration of the Local Group", *Astrophys. J.*, **397**, 395 (1992).
- Marc Davis, Frank Summers, and David Schlegel, "Large Scale Structure with Mixed Dark Matter", *Nature*, **359**, 393 (1992).
- Michael A. Strauss, John P. Huchra, Marc Davis, Amos Yahil, Karl B. Fisher, and John Tonry, "A Redshift Survey of IRAS Galaxies. VII. The Infrared and Redshift Data for the 1.936 Jansky Sample", *Astrophys. J. Supp.*, **83**, 29 (1992).
- Karl Fisher, Marc Davis, Michael Strauss, Amos Yahil, and John Huchra, "The Power Spectrum of IRAS Galaxies", *Astrophys. J.*, **402**, 42 (1993).
- Avishai Dekel, Edmund Bertschinger, Amos Yahil, Michael A. Strauss, Marc Davis, and John P. Huchra, "IRAS Galaxies Versus Potent Mass: Density Fields, Biasing, and Ω ", *Astrophys. J.*, **412**, 1 (1993).
- Francois Bouchet, Michael A. Strauss, Marc Davis, Karl Fisher, Amos Yahil, and John P. Huchra, "Moments of the Counts Distribution in the 1.2 Jy IRAS Galaxy Redshift Survey", *Astrophys. J.*, **417**, 36 (1992).
- August E. Evrard, F. J. Summers, and Marc Davis, "Two Fluid Simulations of Galaxy Formation", *Astrophys. J.*, **422**, 11 (1994).
- Marc Davis, "The Formation of Galaxies: Structure Formation in a Hierarchical Universe", Proceedings of the Third Teton Workshop, July 1992, ed. by M. Shull and H., p 59, (1993).
- Karl B. Fisher, Marc Davis, Michael A. Strauss, Amos Yahil, and John Huchra, "Clustering in the 1.2 Jy IRAS Galaxy Redshift Survey I: The Redshift and Real Space Correlation Functions", *Mon. Not. of the R.A.S.*, **266**, 219 (1993).
- Karl B. Fisher, Marc Davis, Michael A. Strauss, Amos Yahil, and John Huchra, "Clustering in the 1.2 Jy IRAS Galaxy Redshift Survey II: Redshift Distortions and $\xi(r_p, \pi)$ ", *Mon. Not. of the R.A.S.*, **267**, 927 (1994).

- Marc Davis, “Inference of Peculiar Velocities derived from $\xi(r_p, \pi)$ ”, in *Cosmic Velocity Fields*, proceeding of the 9th IAP Astrophysics Meeting, July 1993, ed. F. R. Bouchet, and M. Lachieze-Rey, Editions Frontieres, 1994, p 147.
- David Schlegel, Marc Davis, Frank Summers, and Jon Holtzman, “How Unusual is the Local Group?”, *Astrophys. J.*, **427**, 527 (1994).
- Adi Nusser and Marc Davis, “On the Prediction of Velocity Fields from Redshift Space Galaxy Samples”, *Astrophys. J. Letters*, **421**, L1 (1994).
- Ben Moore and Marc Davis, “The Origin of the Magellanic Stream”, *Mon. Not. of the R.A.S.*, **270**, 209 (1994).
- Basilio X. Santiago, Michael A. Strauss, Ofer Lahav, Marc Davis, Alan Dressler, and John P. Huchra, “The Optical Redshift Survey: Sample Selection and the Galaxy Distribution”, *Astrophys. J.*, **446**, 457 (1995).
- G.B. Dalton, R.A.C. Croft, G. Efstathiou, W.J. Sutherland, S.J. Maddox, & M. Davis, “The Two-Point Correlation Function of Rich Clusters of Galaxies: Results from an Extended APM Cluster Redshift Survey”, *Mon. Not. of the R.A.S.*, **271**, L47 (1994).
- Adi Nusser & Marc Davis, “Estimation of Peculiar Velocity from the Inverse Tully-Fisher Relation”, *Mon. Not. of the R.A.S.*, **276**, 1391 (1995).
- Marc Davis & Adi Nusser, “Indications of Dark Matter Derived from Large Scale Flows”, 5th Maryland Fall Symposium, “Dark Matter”, AIP Conference Proceedings 336, ed. S. Holt & C. Bennett, p.361, 1995.
- Karl Fisher, John Huchra, Michael Strauss, Marc Davis, Amos Yahil, & David Schlegel, “The IRAS 1.2 Jy Survey: Redshift Data”, *Astrophys. J. Suppl.*, **100**, 69 (1995).
- Basilio Santiago, Michael Strauss, Ofer Lahav, Marc Davis, Alan Dressler, & John Huchra, “The Optical Redshift Survey II: Deriving the Luminosity Function and the Density Field”, *Astrophys. J.*, **461**, 38 (1996).
- F. J. Summers, Marc Davis, & August E. Evrard, “Galaxy Tracers and Velocity Bias”, *Astrophys. J.*, **454**, 1 (1995).
- Martin White, Douglas Scott, Joseph Silk & Marc Davis, “The Resurrection of Cold Dark Matter”, *Monthly Notices of the R.A.S.*, **276**, L69 (1995).
- David Koo, Nicole P. Vogt, Andrew C. Phillips, Rafael Guzman, K. L. Wu, S. M. Faber, Caryl Gronwall, Duncan A. Forbes, Garth D. Illingworth Edward J. Groth, Marc Davis, Richard G. Kron, & Alexander S. Szalay, “Redshift $z \sim 1$ Field Galaxies Observed with the Keck Telescope and the HST”, *Astrophys. J.*, **469**, 535 (1996).
- Rachel S. Somerville, Marc Davis, and Joel R. Primack, “A Reanalysis of Small Scale Velocity Dispersion in the CfA1 Survey”, *Astrophys. J.*, **479**, 616 (1997).
- Leonidas Moustakas, Marc Davis, James Graham, Joe Silk, Bruce Peterson, & Y. Yoshii, “Colors and K -Band Counts of Extremely Faint Field Galaxies”, *Astrophys. J.*, **475**, 445 (1997).
- Steve Zepf, Leonidas Moustakas, & Marc Davis, “Keck Spectroscopy of Objects with Lens-like Morphologies in the Hubble Deep Field”, *Astrophys. J.*, **474**, L1 (1997)

- Marc Davis, Adi Nusser, & Jeffrey A. Willick, "Comparison of Velocity and Gravity Fields: The Mark III Catalog Versus the IRAS 1.2 Jy Survey", *Astrophys. J.*, **473**, 22 (1996).
- Sune Hermit, Basilio X. Santiago, Ofer Lahav, Michael A. Strauss, Marc Davis, Alan Dressler, & John P. Huchra, "The Two-Point Correlation Function and Morphological Segregation in the *Optical Redshift Survey*", *Monthly Notices of the R.A.S.*, **283**, 709 (1996).
- Marc Davis, "Is the Universe Homogeneous on Large Scale?", in *Critical Dialogs in Cosmology*, Proceedings of the Princeton Colloquium on Cosmology and Fundamental Physics, *June 1996*, ed. **N. Turok**, World Scientific (1997).
- Emilio E. Falco, Irwin Shapiro, Leonidas Moustakas & Marc Davis, "An Estimate of H_0 from Keck Spectroscopy of the Gravitational Lens System 0957+561", *Astrophys. J.*, **484**, 70, (1997).
- Marc Davis, Amber Miller, & Simon White, "A Galaxy-Weighted Measure of the Relative Peculiar Velocity Dispersion", *Astrophys. J.*, **490**, 63. 1997.
- Adam G. Riess, Marc Davis, Jonathan Baker, & Robert P. Kirshner, "The Velocity Field from Type Ia Supernovae Matches the Gravity Field from Galaxy Surveys", *Astrophys. J.*, **488**, L1 (1997).
- Marc Davis, "Cosmic Velocity Fields and Their Interpretation", *Proc. Nat. Acad. Sci, USA*, **95**, 78 (1998).
- David Schlegel, Doug Finkbeiner, & Marc Davis, "Maps of Dust IR Emission for Use in Estimation of Reddening and CMBR Foregrounds", *Astrophys. J.*, **500**, 525 (1998).
- Jonathan Baker, Marc Davis, Michael Strauss, Ofer Lahav, & Basilio X. Santiago, "The Velocity Field Predicted by the Optical Redshift Survey", *Astrophys. J.*, **508**, 6 (1998).
- S. R. Kulkarni, S. G. Djorgovski, A. N. Ramaprakash, R. Goodrich, J. S. Bloom, K. L. Adelberger, T. Kundic, L. Lubin, D. A. Frail, F. Fontera, M. Feroci, L. Nicastro, A. J. Barth, M. Davis, A. V. Filippenko, & J. Newman, "Identification of a Host Galaxy at Redshift $z=3.42$ for the gamma-ray burst of 14 December 1997", *Nature*, **393**, 35 (1998).
- L. A. Moustakas, M. Davis, & A. Bunker, "Faint Infrared-Excess Field Galaxies: FROGs", in "The Young Universe: Galaxy Formation and Evolution at Intermediate and High Redshift", eds. S.D'Odorico, A.Fontana and E. Giallongo, A.S.P. Conf. Series, Vol. 146, p.210, (1998).
- Bunker, A., Moustakas, L, Davis, M., Frye, B., Broadhurst, T., & Spinrad, H., "Resolving the Stellar Populations in a $z=4.04$ Lensed Galaxy", in "The Young Universe: Galaxy Formation and Evolution at Intermediate and High Redshift", eds. S.D'Odorico, A.Fontana and E. Giallongo, A.S.P. Conf. Series, Vol. 146, p.182, (1998).
- P.G. Ferreira, R. Juszkiewicz, H. Feldman, M. Davis, & A. Jaffe, "Streaming Velocities as a Dynamical Estimator of Ω ", *Astrophys. J.*, **515**, L1 (1999).
- M. Davis, & S. M. Faber, "The Deimos Spectrograph and a Planned DEEP Redshift Survey on the Keck-II Telescope", in XIVth IAP conference proceedings, May 1998, "Wide Field Surveys in Cosmology", Y. Mellier & S. Colombi, editors, p.333, (1998).
- O. Lahav, B. X. Santiago, A. M. Webster, Michael A. Strauss, M. Davis, A. Dressler, & J. P. Huchra, "The Supergalactic Plane Revisited with the Optical Redshift Survey", *MNRAS*, **312**, 166 (2000).

- D. J. Schlegel, D. P. Finkbeiner, & M. Davis, "Application of SFD Dust Maps to Galaxy Counts and CMB Experiments", in XIVth IAP conference proceedings, May 1998, "Wide Field Surveys in Cosmology", Y. Mellier & S. Colombi, editors, p.297, (1998)
- Moustakas, L, Bunker, A., & Davis, M., "Resolving the Stellar Populations in a $z=4.04$ Lensed Galaxy", *Astrophys. J.*, **531**, 95 (2000); (astro-ph/9909476)
- Newman, J.A., Zepf, S.E, Davis, M., Freedman, W.L., Madore, B.F., Stetson, P.B., Silbermann, N, & Phelps, R., "A Cepheid Distance to NGC 4603 in Centaurus", *Astrophys. J.*, **523**, 506 (1999).
- Finkbeiner, D., Davis, M., & Schlegel, D., "Extrapolation of Galactic Dust Emission at 100 Microns to CMBR Frequencies Using FIRAS", *Astrophys. J.*, **524**, 867 (1999).
- R. Juskiewicz, P. G. Ferreira, H. Feldman, A. H. Jaffe, & M. Davis, "Evidence for a Low Density Universe from the Relative Velocities of Galaxies", *Science*, **287**, 109 (1999)
- P. G. Ferreira, M. Davis, H. A. Feldman, A. H. Jaffe, & R. Juskiewicz, "Measuring Omega with Galaxy Streaming Velocities", *Proceedings of New Worlds of Astroparticle Physics*, **astro-ph/9904074**, (1999)
- Marc Davis, "Weighing the Universe: Observational Constraints on the Value of Ω_m ", *Pritzker Symposium on Inflationary Cosmology, Jan. 1999*, **in press**, (1999).
- Marc Davis, "The Cosmic Perspective: Cosmology at the End of the Twentieth Century", in *Frontiers of the Mind for the 21st Century*, lectures at the Library of Congress, June 1999.
- Maoz, E., Newman, J. A., Ferrarese, L., Stetson, P. B., Zepf, S. E., Davis, M., Freedman, W. L., & Madore, B. F., "A Cepheid Distance to NGC4258", *Nature*, **401**, 351-354 (1999), astro-ph/9908140.
- Baker, J. E., Davis, M., & Lin, H. "The Galaxy Weighted Velocity Dispersion of the Las Campanas Redshift Survey", *Astrophys. J.*, **536**, 112 (1999) astro-ph/9909030.
- Baker, J. E., & Davis, M. "A New Object-Weighted Measure of the Small Scale Velocity Dispersion", in *Cosmic Flows Workshop, ASP Conference Series Volume 201*, **186**, (1999) astro-ph/9909079.
- Blakesee, John. P., Davis, Marc, Tonry, John, L., Dressler, Alan, & Ajhard, Edward A., "A First Comparison of the SBF Survey Distances with the Galaxy Density Field: Implications for H_0 and Ω ", *Astrophys. J. Lett*, **527**, 73 (1999) (astro-ph/9910340).
- Blakesee, John. P., Davis, Marc, Tonry, John, L., Ajhard, Edward A., & Dressler, Alan, "Comparing the SBF Survey Velocity Field with the Gravity Field from Redshift Surveys", "Cosmic Flows" workshop, held in Victoria, Canada, July 1999, ASP series volume 201, 254 (astro-ph/9910342).
- Roman Juskiewicz, Pedro Ferreira, Marc Davis, Ruth Durrer, Hume Feldman, Andrew Jaffe, and Volker Springel, "A New Estimator of Ω ", "Cosmic Flows" workshop, held in Victoria, Canada, July 1999, ASP series volume 201, 194.
- Robert J. Thacker & Marc Davis, "Structure Formation from Numerical Simulations", contribution to the Hyfest, June 1999, "The Hy-Redshift Universe: Galaxy Formation and Evolution at High Redshift", ASP conference series, Vol 193, 353 (2000).
- Fan, Xiaohui, Strauss, Michael A., Gunn, James E., Lupton, Robert H., Carilli, C. L., Rupen, M. P., Schmidt, Gary D., Moustakas, Leonidas A., Davis, Marc, *et al.* "The Discovery of a High-redshift

- Quasar without Emission Lines from Sloan Digital Sky Survey Commissioning Data”, *Astrophys. J.*, **526**, L57 (1999)
- Finkbeiner, Douglas P., Davis, Marc, Schlegel, David J., “Detection of a Far IR Excess with DIRBE at 60 and 100 Microns”, *Astrophys. J.*, **544**, 81 (2000) (astro-ph/0004175)
- Newman, Jeffrey, A., Davis, Marc, “Measuring the Cosmic Equation of State with Counts of Galaxies”, *Astrophys. J. Lett.*, **543**, 11 (2000) (astro-ph/9912366)
- Zheng, Wei, Tsvetanov, Zlatan I., Schneider, Donald P., Fan, Xiaohui, Becker, Robert H., Davis, Marc *et al.*(2000), “Five High-Redshift Quasars Discovered in Commissioning Imaging Data of the Sloan Digital Sky Survey”, *Astronomical Journal*, **120**, 1607 (astro-ph/0005247)
- Fan, Xiaohui, White, Richard, L., Davis, Marc, Becker, Robert H., Strauss, Michael A. *et al.*2000, “The Discovery of a Luminous $z=5.80$ Quasar from the Sloan Digital Sky Survey”, *Astron. J.*, **120**, 1167 (astro-ph/0005414)
- X. Fan, M. A. Strauss, , D. P. Schneider, J. E. Gunn, R. H. Lupton, R. H. Becker, M. Davis, J. A. Newman, G. T. Richards, R. L. White, et al, “High-Redshift Quasars Found in Sloan Digital Sky Survey Commissioning Data IV: Luminosity Function from the Fall Equatorial Stripe Sample”, *Astron. J.*, **121**, 54 (astro-ph/0008123)
- Marc Davis, “The Cosmological Matter Density” 2000, *Physics Reports*, “*David Schramm’s Universe. Special Volume dedicated to the memory of David Norman Schramm, 1945-1997*”, **G. Brown, M. Kamionkowski, M. Turner, editors**, p. 147
- Jeffrey A. Newman, Laura Ferrarese, Peter B. Stetson, Eyal Maoz, Stephen E. Zepf, Marc Davis, Wendy L. Freedman, & Barry F. Madore, 2001, “A revised Cepheid distance to NGC 4258 and a test of the distance scale”, *Astrophys. J.*, **553**, 562 (astro-ph/0012377)
- Marc Davis, Jeffrey Newman, Sandra Faber, & Andrew Phillips, 2001, “The DEEP2 Redshift Survey”, *ESO conference on DEEP fields*, **Munich, Oct. 2000**, (astro-ph/0012189)
- Scannapieco, Evan, Thacker J., Robert, & Davis, Marc, “High-Redshift Galaxy Outflows and the Formation of Dwarf Galaxies” 2001, *Astrophysical Journal*, **557**, 605 (astro-ph/0011258)
- Marc Davis & Jeffrey A. Newman, “Mining the Sky with Redshift Surveys”, MPA/ESO workshop on ‘Mining the Sky’, August, 2000, *ed. Banday, Zaroubi, Bartelmann*, , p. 119. (astro-ph/0104418)
- Jeffrey A. Newman & Marc Davis, “Measuring the Equation of State with Counts of Galaxies II: Error Budget for the DEIMOS/DEEP Redshift Survey” 2001, *Astrophysical Journal*, **564**, 567.
- Alison L. Coil, Marc Davis, & Istvan Szapudi, “Galaxy Correlation Statistics in Mock Catalogs for the DEEP2 Survey”, 2001, *Publications of the Astronomical Society of the Pacific*, **113**, 1312. (astro-ph/0107541)
- Matt Craig & Marc Davis, “The Structure of Dark Matter Halos in an Annihilating Dark Matter Model” 2001, *New Astronomy*, **6**, 425. (astro-ph/0106542)
- Edward C. Moran, Laura E. Kay, Marc Davis, Alexei V. Filippenko, & Aaron Barth, “A Composite Seyfert 2 X-Ray Spectrum: Implications for the Origin of the Cosmic X-Ray Background”, 2001, *Astrophysical Journal Letters*, **556**, L75 (astro-ph/0106519)
- Christian Marinoni, Marc Davis, Alison L. Coil, Douglas Finkbeiner, “Spectral Reduction Software for the DEEP2 Redshift Survey”, *Proceedings of the Marseille 2001 conference “Where is the*

- Matter? Tracing Dark and Bright Matter with the New Generation of Large-Scale Surveys*", **2001**, ;(astro-ph/0109164)
- Christian Marinoni, Marc Davis, Jeffrey A. Newman, Alison L. Coil, "3D Identification and Reconstruction of $z \sim 1$ Clusters: Prospects for the DEEP2 Redshift Survey", *Proceedings of "Tracing Cosmic Evolution with Galaxy Clusters" (Sesto 2001)*, **ASP Conference Series Vol. 268**, (2002); p.409 (astro-ph/0109163)
- Daniel Stern, Edward C. Moran , Alison L. Coil, Andrew Connolly, Marc Davis, Steve Dawson, Arjun Dey, Peter Eisenhardt, Richard Elston, James R. Graham, Fiona Harrison, David J. Helfand, Brad Holden, Peter Mao, Piero Rosati, Hyron Spinrad, S. A. Stanford, Paolo Tozzi, K. L. Wu, "Chandra Detection of a TypeII Quasar at $z=3.288$ ", 2001, *Astrophysical Journal*, **568**, 71; (astro-ph/0111513)
- Fan,Xiaohui, Strauss,MichaelA., Richards,GordonT., Newman,JeffreyA., Becker,RobertH., Schneider,DonaldP., Gunn,JamesE., Davis,Marc +18 others, (2001), *"High-Redshift Quasars Found in Sloan Digital Sky Survey Commissioning Data. III. A Color-selected Sample at I^*_{20} in the Fall Equatorial Stripe"*, **Astron.. J.**, 121; 31.
- Marc Davis (2001), "Cosmology: Weighing the Universe", *Nature*, **410**, 153.
- Newman,JeffreyA., Ferrarese,Laura, Stetson,PeterB., Maoz,Eyal, Zepf,StephenE., Davis,Marc, Freedman,WendyL., Madore,BarryF. (2001), *"A Revised Cepheid Distance to NGC 4258 and a Test of the Distance Scale"*, **Astroph. J.**, 553; 562.
- Newman,JeffreyA., Davis,Marc (2002), *"Measuring the Cosmic Equation of State with Counts of Galaxies. II. Error Budget for the DEEP2 Redshift Survey"*, **Astroph. J.**, 564; 567.
- Newman,JeffreyA., Marinoni,Christian, Coil,AlisonL., Davis,Marc (2002), "Measuring the Cosmic Equation of State with Galaxy Clusters in the DEEP2 Redshift Survey", *PASP*, **114**, 29.
- Mendez,Bryan, Davis,Marc, Moustakas,John, Newman,Jeffrey, Madore,BarryF., Freedman,WendyL. (2002), "Deviations from the Local Hubble Flow. I. The Tip of the Red Giant Branch as a Distance Indicator", *Astron. J.*, **124**, 213.
- Marinoni,Christian, Davis,Marc, Newman,JeffreyA., Coil,AlisonL. (2002), "Three dimensional Identification and Reconstruction of Galaxy Systems within Flux-limited Redshift Surveys", *Astroph. J.*, **580**, 122. (astro-ph/0112370)
- Thacker,RobertJ., Scannapieco,Evan, Davis,Marc (2002): "Violence in the Dark Ages", *Astroph. J.*, **581**, 836.
- Davis,Marc, Faber,SandraM., Newman,Jeffrey +18 others (2003), *"Science Objectives and Early Results of the DEEP2 Redshift Survey"*, **SPIE**, 4834; 161. (astro-ph/0209419)
- Feldman,H., Juszkievicz,R., Ferreira,P., Davis,M +8 others (2003), "An Estimate of Ω_m without Conventional Priors", *Astroph. J.*, **596**, 131.
- Madgwick,DarrenS., Coil,AlisonL., Conselice,ChristopherJ., Cooper,MichaelC., Davis, Marc +13 others, "The DEEP2 Galaxy Redshift Survey: Spectral Classification of Galaxies at $z \sim 1$ ", (2003), *Astroph. J.*, **599**, 997.
- Wirth,GregoryD., Willmer,ChristopherN.A., +13 others, Marc Davis, +5 others (2003), "The Team Keck Treasury Redshift Survey of the GOODS-North Field", *Astron. J.*, **127**, 3121.

- Coil, Alison L., Davis, Marc, Madgwick, Darren S., Newman, Jeffrey A. *et al.*, (2004), "The DEEP2 Galaxy Redshift Survey: Clustering of Galaxies in Early Data", *Astrophys. J.*, **609**, 525
- Alison L. Coil, Jeffrey A. Newman, Nick Kaiser, Marc Davis, Chung-Pei Ma, Dale D. Kocevski (2004), "Evolution and Color-Dependence of the Galaxy Angular Correlation Function: 350,000 Galaxies in 5 Square Degrees", *Astrophys. J.*, **617**, 765 (astro-ph/0403423).
- Lin, Lihwai, Koo, David C., Willmer, Christopher N. A., Patton, David R., Conselice, Christopher J., Yan, Renbin, Coil, Alison L., Cooper, Michael C., Davis, Marc, Faber, S. M., and 3 coauthors (2004) "The DEEP2 Galaxy Redshift Survey: Evolution of Close Galaxy Pairs and Major-Merger Rates up to $z \sim 1.2$ ", *Astrophys. J.*, **617**, 9 (astro-ph/0411104)
- Gerke, Brian F., Newman, Jeffrey A., Davis, Marc, Marinoni, Christian, Yan, Renbin, Coil, Alison L., Conroy, Charlie, Cooper, Michael C., Faber, S. M. Finkbeiner, Douglas P., and 6 coauthors (2005), "The DEEP2 Galaxy Redshift Survey: First Results on Galaxy Groups", *Astrophys. J.*, **625**, 6
- Treu, Tommaso, Ellis, Richard S., Liao, Ting X., van Dokkum, Pieter G., Tozzi, Paolo, Coil, Alison, Newman, Jeffrey, Cooper, Michael C., Davis, Marc (2005), "*The Assembly History of Field Spheroidals: Evolution of Mass-to-Light Ratios and Signatures of Recent Star Formation*", **Astrophys. J.**, 633, 174
- Marc Davis, Brian F. Gerke, Jeffrey A. Newman (2004) "Constraining Dark Energy with DEEP2", "Observing Dark Energy": NOAO Workshop", Mar 18-20 2004., ed. by S. Wolfe and T. Lauer, , **ASP**, v339, p.128, (astro-ph/0408344)
- Cooper, Michael C., Newman, Jeffrey A., Madgwick, Darren S., Gerke, Brian F., Yan, Renbin, Davis, Marc (2005), "*Measuring Galaxy Environments with Deep Redshift Surveys*", **Astrophys. J.**, 634; 833
- Charlie Conroy, Jeffrey A. Newman, Marc Davis, Alison Coil, Renbin Yan, Michael Cooper, Brian Gerke, Sandra Faber, David Koo, (2005) "The DEEP2 Galaxy Redshift Survey: Probing the Evolution of Dark Matter Halos around Isolated Galaxies at $z \sim 1$ ", *Astrophys. J.*, **635**, 982 (astro-ph/0409305).
- Conroy, Charlie, Coil, Alison L., White, Martin, Newman, Jeffrey A., Yan, Renbin, Cooper, Michael C., Gerke, Brian F., Davis, Marc, (2005), "The DEEP2 Galaxy Redshift Survey: The Evolution of Void Statistics from $z \sim 1$ to $z \sim 0$ ", *Astrophys. J.*, **635**, 990 (astro-ph/0508250)
- Coil, Alison L., Gerke, Brian F., Newman, Jeffrey A., Ma, Chung-Pei, Yan, Renbin, Cooper, Michael C., Davis, Marc, Faber, S. M., Guhathakurta, Puragra, Koo, David C. (2006), "The DEEP2 Galaxy Redshift Survey: Clustering of Groups and Group Galaxies at $z \sim 1$ ", *Astrophys. J.*, **638**, 668 (astro-ph/0507647)
- Marc Davis, B. F. Gerke, A. L. Coil, M. C. Cooper, R. Yan, J. A. Newman, S. M. Faber, D. Koo, P. Guhathakurta (2005), "Measuring the Growth of Structure with Spectroscopically Identified Groups and Clusters", White paper submitted to the Dark Energy Task Force Committee, , (astro-ph/0507555)
- C. N. A. Willmer, S. M. Faber, D. C. Koo, B. J. Weiner, J. A. Newman, A. L. Coil, A. J. Connolly, C. Conroy, M. C. Cooper, M. Davis, D. P. Finkbeiner, B. F. Gerke, P. Guhathakurta, J. Harker, N. Kaiser, S. Kassin, N. P. Konidakis, L. Lin, G. Luppino, D. S. Madgwick, K. G. Noeske, A. C.

- Phillips, R. Yan (2006) "The DEEP2 Galaxy Redshift Survey: The Galaxy Luminosity Function to $z = 1$ ", *Astrophys. J.*, **647**, 853 (astro-ph/0506041)
- Faber, S. M., Willmer, C. N. A., Wolf, C., Koo, D. C., Weiner, B. J., Newman, J. A., Im, M., Coil, A. L., Conroy, C., Cooper, M. C., Davis, M., Finkbeiner, D. P., Gerke, B. F., Gebhardt, K., Groth, E. J., Guhathakurta, P., Harker, J., Kaiser, N., Kassin, S., Kleinheinrich, M., Konidaris, N. P., Kron, R. G., Lin, L., Luppino, G., Madgwick, D. S., Meisenheimer, K., Noeske, K. G., Phillips, A. C., Sarajedini, V. L., Schiavon, R. P., Simard, L., Szalay, A. S., Vogt, N. P., Yan, R. (2007) "Galaxy Luminosity Functions to $z = 1$ from DEEP2 and COMBO-17: Implications for Red Galaxy Formation", *ApJ*, **665**, 256
- J.M. Lotz, M. Davis, S.M. Faber, P. Guhathakurta, S. Gwyn, J. Huang, D.C. Koo, E. Le Floch, L. Lin, J. Newman, K. Noeske, C. Papovich, C.N.A. Willmer, A. Coil, C.J. Conselice, M. Cooper, A.M. Hopkins, A. Metevier, J. Primack, G. Rieke, B. J. (2006), "The Evolution of Galaxy Mergers and Morphology at $z < 1.2$ in the Extended Groth Strip", *Astrophys. J.*, **672**, 177 (astro-ph/0602088)
- Alison L. Coil, Jeffrey A. Newman, Michael C. Cooper, Marc Davis, S.M. Faber, David C. Koo, Christopher N.A. Willmer (2005) "The DEEP2 Galaxy Redshift Survey: Clustering of Galaxies as a Function of Luminosity at $z=1$ ", *Astrophys. J.*, **644**, 671 (astro-ph/0512233)
- Ricardo P. Schiavon, S. M. Faber, Nicholas Konidaris, Genevieve Graves, Christopher N.A. Willmer, Benjamin J. Weiner, Alison L. Coil, Michael C. Cooper, Marc Davis, Justin Harker, David C. Koo, Jeffrey A. Newman, Renbin Yan (2006), "The DEEP2 Galaxy Redshift Survey: Mean Ages and Metallicities of Red Field Galaxies at $z \sim 0.9$ from Stacked Keck/DEIMOS Spectra", *Astrophys. J.*, **651**, 93 (astro-ph/0602248)
- Michael C. Cooper, Jeffrey A. Newman, Darren J. Croton, Benjamin J. Weiner, Christopher N. A. Willmer, Brian F. Gerke, Darren S. Madgwick, S. M. Faber, Marc Davis, Alison L. Coil, Douglas P. Finkbeiner, Puragra Guhathakurta, David C. Koo (2006), "The DEEP2 Galaxy Redshift Survey: The Relationship Between Galaxy Properties and Environment at $z \sim 1$ ", *MNRAS*, **370**, 198 (astro-ph/0603177)
- Alison L. Coil, Joseph F. Hennawi, Jeffrey A. Newman, Michael C. Cooper, Marc Davis (2006), "The DEEP2 Galaxy Redshift Survey: Clustering of Quasars and Galaxies at $z=1$ ", *Astrophys. J.*, **654**, 115 (astro-ph/0607454)
- Michael C. Cooper, Jeffrey A. Newman, Alison L. Coil, Darren J. Croton, Brian F. Gerke, Renbin Yan, Marc Davis, Puragra Guhathakurta, David C. Koo, Benjamin J. Weiner, 2006, "The DEEP2 Galaxy Redshift Survey: Evolution of the Color-Density Relation at $0.4 < z < 1.35$ ", *MNRAS*, **376**, 1445 (astro-ph/0607512)
- Charlie Conroy, Francisco Prada, Jeffrey A. Newman, Darren Croton, Alison L. Coil, Christopher J. Conselice, Michael C. Cooper, Marc Davis, S. M. Faber, Brian F. Gerke, Puragra Guhathakurta, Anatoly Klypin, David C. Koo, Renbin Yan (2006) "Evolution in the Halo Masses of Isolated Galaxies between $z = 1$ and $z = 0$: from DEEP2 to SDSS", *Astrophys. J.*, **654**, 153 (astro-ph/0607204)
- M. Davis, P. Guhathakurta, N. Konidaris, J. A. Newman, M. L. N. Ashby, A. D. Biggs, P. Barmby, K. Bundy, S. Chapman, A. L. Coil, C. Conselice, M. Cooper, D. Croton, P. Eisenhardt, R. Ellis, S. Faber, T. Fang, G. G. Fazio, A. Georgakakis, B. Gerke, W. M. Goss, S. Gwyn, J. Harker, A. Hopkins, J.-S. Huang, R. J. Ivison, S. A. Kassin, E. Kirby, A. Koekemoer, D. C. Koo, E.

- Laird, E. Le Floch, L. Lin, J. Lotz, P. J. Marshall, D. C. Martin, A. Metevier, L. A. Moustakas, K. Nandra, K. Noeske, C. Papovich, A. C. Phillips, R. M. Rich, G. H. Rieke, D. Rigopoulou, S. Salim, D. Schiminovich, L. Simard, I. Smail, T. A. Small, B. Weiner, C. N. A. Willmer, S. P. Willner, G. Wilson, E. Wright, R. Yan (2006) "The All-wavelength Extended Groth Strip International Survey (AEGIS) Data Sets" , *ApJL special edition*, **660**, 1 (astro-ph/0607355)
- K. Nandra, A. Georgakakis, C.N.A. Willmer, M.C. Cooper, D.J. Croton, M. Davis, S.M. Faber, D.C. Koo, E.S. Laird, J.A. Newman, (2006), "AEGIS: The color-magnitude relation for X-ray selected AGN" , *ApJL special edition*, **660**, 11 (astro-ph/0607270)
- C. J. Conselice, J. A. Newman, A. Georgakakis, O. Almaini, A. L. Coil, M.C. Cooper, P. Eisenhardt, S. Foucaud, A. Koekemoer, J. Lotz, K. Noeske, B. Weiner, C.N.A Willmer (2006), "AEGIS: The Diversity of Bright Near-IR Selected Distant Red Galaxies", *ApJL special edition*, **660**, (astro-ph/0607242)
- L. A. Moustakas, P. J. Marshall, J. A. Newman, A. L. Coil, M. C. Cooper, M. Davis, C. D. Fassnacht, P. Guhathakurta, A. Hopkins, A. Koekemoer, N. P. Koo (2006), "A Strong-Lens Survey in AEGIS: the influence of large scale structure" , *ApJL special edition*, **660**, 31 (astro-ph/0607239)
- A. Georgakakis, K. Nandra, E. S. Laird, M. C. Cooper, B. F. Gerke, J. A. Newman, D. J. Croton, M. Davis, S. M. Faber, A. L. Coil (2006), "All-wavelength Extended Groth strip International Survey: the environment of X-ray sources at $z \sim 1$ " , *ApJL special edition*, , (astro-ph/0607274)
- A. Georgakakis, K. Nandra, E. S. Laird, S. Gwyn, C. C. Steidel, V. L. Sarajedini, P. Barmby, S. M. Faber, A. L. Coil, M. C. Cooper, M. Davis, J. A. Newman (2006), "A Deep Chandra Survey of the Groth Strip - II. optical identification of the X-ray sources" , *MNRAS*, **371**, 221 (astro-ph/0606139)
- Brian F. Gerke, Jeffrey A. Newman, S. M. Faber, Michael C. Cooper, Darren J. Croton, Marc Davis, Christopher N. A. Willmer, Renbin Yan, Alison L. Coil, Puragra Guhathakurta, David C. Koo, Benjamin J. Weiner (2006), "The DEEP2 Galaxy Redshift Survey: The evolution of the blue fraction in groups and the field" , *MNRAS*, **376**, 1425 (astro-ph/0608569)
- T. Fang, B. Gerke, D. Davis, J. Newman, M. Davis, K. Nandra, E. Laird, D. Koo, A. Coil, M. Cooper, D. Croton, R. Yan (2006), "AEGIS: Chandra Observation of DEEP2 Galaxy Groups and Clusters" , *ApJL special edition*, **660**, 27 (astro-ph/0608382)
- Brian F. Gerke, Jeffrey A. Newman, Jennifer Lotz, Renbin Yan, P. Barmby, Alison L. Coil, Christopher J. Conselice, R. J. Ivison, Lihwai Lin, David C. Koo, Kirpal Nandra, Samir Salim, Todd Small, Benjamin J. Weiner, Michael C. Cooper, Marc Davis, S. M. Faber, Puragra Guhathakurta (2006), "The DEEP2 Galaxy Redshift Survey: AEGIS Observations of a Dual AGN at $z=0.7$ " , *ApJL special edition*, **660L**, 23 (astro-ph/0608380)
- Noeske, K. G., Weiner, B. J., Faber, S. M., Papovich, C., Koo, D. C., Somerville, R. S., Bundy, K., Conselice, C. J., Newman, J. A., Schiminovich, D., and 19 coauthors (2007) "Star Formation in AEGIS Field Galaxies since $z=1.1$: The Dominance of Gradually Declining Star Formation, and the Main Sequence of Star-forming Galaxies", *ApJ*, **660L**, 59
- G. Wilson, J. S. Huang, G. G. Fazio, R. Yan, A. M. Koekemoer, S. Salim, S. M. Faber, J. Lotz, C. N. A. Willmer, M. Davis, A. L. Coil, J. A. Newman, C. J. Conselice, C. Papovich, M. L. N. Ashby, P. Barmby, S. P. Willner, R. Ivison, S. Miyazaki, D. Rigopoulou (2007), "AEGIS: A Panchromatic Study of IRAC-selected Extremely Red Objects with Confirmed Spectroscopic Redshifts", *ApJL special edition*, **660**, 73 (astro-ph/0608447)

- Symeonidis, M., Rigopoulou, D., Huang, J.-S., Davis, M., Ashby, M. L. N., Barmby, P., Egami, E., Fazio, G. G., Le Floch, E., Rieke, G., and 2 coauthors (2007) "AEGIS: Infrared Spectral Energy Distributions of MIPS 70 μ m-selected Sources", *ApJ*, **660**, 73
- Alison Coil, Jeffrey A. Newman, Darren Croton, Michael C. Cooper, Marc Davis, S. M. Faber, Brian F. Gerke, David C. Koo, Nikhil Padmanabhan, Risa H. Wechsler, Benjamin J. Weiner, (2008) "The DEEP2 Galaxy Redshift Survey: Color and Luminosity Dependence of Galaxy Clustering at $z \sim 1$ ", *ApJ*, **672**, 153
- Antonio D. Montero-Dorta, Darren J. Croton, Renbin Yan, Michael C. Cooper, Jeffrey A. Newman, Antonis Georgakakis, Francisco Prada, Marc Davis, Kirpal Nandra, Alison Coil, (2008) "The DEEP2 Galaxy Redshift Survey: The Red Sequence AGN Fraction and its Environment and Redshift Dependence", *MNRAS*, **392**, 125 (astro-ph/0801.2769)
- Michael C. Cooper, Jeffrey A. Newman, Benjamin J. Weiner, Renbin Yan, Christopher Willmer, Kevin Bundy, Alison L. Coil, Christopher J. Conselice, Marc Davis, S. M. Faber, +4 others, (2008), "The DEEP2 Galaxy Redshift Survey: the role of galaxy environment in the cosmic star formation history", *MNRAS*, **383**, 1058
- E. S. Laird, K. Nandra, A. Georgakakis, J. A. Aird, P. Barmby, C. J. Conselice, A. L. Coil, M. Davis, S. M. Faber, G. G. Fazio, and 4 coauthors (2008) "AEGIS-X: The Chandra Deep Survey of the Extended Groth Strip", *ApJS*, **180**, 102 (astro-ph/0809.1349)
- Comerford, Julia M., Gerke, Brian F., Newman, Jeffrey A., Davis, Marc, Yan, Renbin, Cooper, Michael C., Faber, S. M., Koo, David C., Coil, Alison L., Rosario, D. J., Dutton, Aaron A. (2009) "Inspiralling Supermassive Black Holes: A New Signpost for Galaxy Mergers", *ApJ*, **698**, 956
- Lotz, Jennifer M., Davis, M., Faber, S. M., Guhathakurta, P., Gwyn, S., Huang, J., Koo, D. C., Le Floch, E., Lin, Lihwai, Newman, J., and 11 coauthors (2008) "The Evolution of Galaxy Mergers and Morphology at $z \sim 1.2$ in the Extended Groth Strip", *ApJ*, **672**, 177L
- Coil, Alison L., Georgakakis, Antonis, Newman, Jeffrey A., Cooper, Michael C., Croton, Darren, Davis, Marc, Koo, David C., Laird, Elise S., Nandra, Kirpal, Weiner, Benjamin J., and 2 coauthors (2009) "AEGIS: The Clustering of X-Ray Active Galactic Nucleus Relative to Galaxies at $z \sim 1$ ", *ApJ*, **701**, 1484
- Comerford, Julia M., Griffith, Roger L., Gerke, Brian F., Cooper, Michael C., Newman, Jeffrey A., Davis, Marc, Stern, Daniel (2009) "1.75 h⁻¹ kpc Separation Dual Active Galactic Nuclei at $z = 0.36$ in the Cosmos Field", *ApJ*, **702L**, 82
- Renbin Yan, Jeffrey A. Newman, S. M. Faber, Alison L. Coil, Michael C. Cooper, Marc Davis, Benjamin J. Weiner, Brian F. Gerke, David C. Koo, (2009) "The DEEP2 Galaxy Redshift Survey: Environment of Post starburst Galaxies at $z \sim 0.1$ and $z \sim 0.8$ ", *MNRAS*, **398**, 735 (astro-ph/0805.0004)
- Jeltema, Tesla E., Gerke, Brian F., Laird, Elise S., Willmer, Christopher N. A., Coil, Alison L., Cooper, Michael C., Davis, Marc, Nandra, Kirpal, Newman, Jeffrey A. (2009), "Groups of galaxies in AEGIS: the 200-ks Chandra extended X-ray source catalogue", *MNRAS*, **399**, 715
- Montero-Dorta, AD, Croton, DJ, Yan, RB, Cooper, MC, Newman, JA, Georgakakis, A, et al. (2009) "The DEEP2 Galaxy Redshift Survey: the red sequence AGN fraction and its environment and redshift dependence", *MNRAS*, **392**, 125

- Yan, RB, Newman, JA, Faber, SM, Coil, AL, Cooper, MC, Davis, M, et al. "The DEEP2 Galaxy Redshift Survey: environments of post-starburst galaxies at z similar to 0.1 and similar to 0.8" (2009), *MNRAS*, **398**, 735
- Choi, E, Bond, NA, Strauss, MA, Coil, AL, Davis, M, Willmer, CNA, et al. "Tracing the filamentary structure of the galaxy distribution at z similar to 0.8" (2010), *MNRAS*, **406**, 320
- Cooper, Michael C., Coil, Alison L., Gerke, Brian F., Newman, Jeffrey A., Bundy, Kevin, Conselice, Christopher J., Croton, Darren J., Davis, Marc, Faber, S. M., Guhathakurta, Puragra, Koo, David C., Lin, Lihwai, Weiner, Benjamin J., Willmer, Christopher N. A., Yan, Renbin (2010) "Absence of evidence is not evidence of absence: the colour-density relation at fixed stellar mass persists to $z = 1$ ", *MNRAS*, **409**, pp. 337-345, (arXiv:1007.1967)
- Yan, Renbin, Ho, Luis C., Newman, Jeffrey A., Coil, Alison L., Willmer, Christopher N. A., Laird, Elise S., Georgakakis, Antonis, Aird, James, Barmby, Pauline, Bundy, Kevin, Cooper, Michael C., Davis, Marc, Faber, S. M., Fang, Taotao, Griffith, Roger L., Koekemoer, Anton M., Koo, David C., Nandra, Kirpal, Park, Shinae Q., Sarajedini, Vicki L., Weiner, Benjamin J., Willner, S. P. (2010) "AEGIS: Demographics of X-ray and Optically Selected AGNs", *ApJ*, **728**, 38, (arXiv:1007.3494)
- Tacconi, L. J., Genzel, R., Neri, R., Cox, P., Cooper, M. C., Shapiro, K., Bolatto, A., Bouch, N., Bournaud, F., Burkert, A., Combes, F., Comerford, J., Davis, M +9 others (2010) "High molecular gas fractions in normal massive star-forming galaxies in the young Universe", *Nature*, **463**, pp. 781-784
- Choi, Ena, Bond, Nicholas A., Strauss, Michael A., Coil, Alison L., Davis, Marc, Willmer, Christopher N. A. (2010) "Tracing the filamentary structure of the galaxy distribution at $z = 0.8$ ", *MNRAS*, **406**, pp. 320-328
- Genzel, R., Tacconi, L. J., Gracia-Carpio, J., Sternberg, A., Cooper, M. C., Shapiro, K., Bolatto, A., Bouch, N., Bournaud, F., Burkert, A., Combes, F., Comerford, J., Cox, P., Dasvis, M., +9 others (2010) "A study of the gas-star formation relation over cosmic time", *MNRAS*, **407**, pp. 2091-2108
- Domnguez, A., Primack, J. R., Rosario, D. J., Prada, F., Gilmore, R. C., Faber, S. M., Koo, D. C., Somerville, R. S., Prez-Torres, M. A., Prez-Gonzlez, P., Huang, J.S., Davis, M., +6 others (2011) "Extragalactic background light inferred from AEGIS galaxy-SED-type fractions", *MNRAS*, **410**, pp. 2556-2578
- Cooper, M. C., Aird, J. A., Coil, A. L., Davis, M., Faber, S. M., Juneau, S., Lotz, J. M., Nandra, K., Newman, J. A., Willmer, C. N. A., Yan, R. (2011) "DEEP3 Galaxy Redshift Survey: GOODS-N field", *ApJS*, **193**, 14
- Genzel, R., Tacconi, L. J., Combes, F., Bolatto, A., Neri, R., Sternberg, A., Cooper, M. C., Bouche, N., Bournaud, F., Burkert, A., Comerford, J., Cox, P., Davis, M., +10 others (2011) "The metallicity dependence of the CO H_2 conversion factor in $z > 1$ star forming galaxies", , , arXiv1106.2098
- Davis, Marc, Nusser, Adi, Masters, Karen L., Springob, Christopher, Huchra, John P., Lemson, Gerard (2011) "Local gravity versus local velocity: solutions for β and non-linear bias", *MNRAS*, **413**, pp. 2906-2922

- Nusser, Adi, Branchini, Enzo, Davis, Marc (2011) "Bulk Flows from Galaxy Luminosities: Application to 2Mass Redshift Survey and Forecast for Next-generation Data Sets", *ApJ*, **735**, 77
- Nusser, Adi, Davis, Marc (2011) "The Cosmological Bulk Flow: Consistency with Λ CDM and $z = 0$ Constraints on σ_8 and γ ", *ApJ*, **736**, 93
- Cooper, Michael C., Griffith, Roger L., Newman, Jeffrey A., Coil, Alison L., Davis, Marc, Dutton, Aaron A., Faber, S. M., Guhathakurta, Puragra, Koo, David C., Lotz, Jennifer M., +3 coauthors (2011), "The DEEP3 Galaxy Redshift Survey: the impact of environment on the size evolution of massive early-type galaxies at intermediate redshift", *MNRAS*, **tmp**, 1893
- Nusser, Adi, Branchini, Enzo, Davis, Marc (2012), "A New Method for the Determination of the Growth Rate from Galaxy Redshift Surveys", *ApJ*, **744**, 193
- Li, Cheng, White, Simon D. M., Chen, Yanmei, Coil, Alison L., Davis, Marc, De Lucia, Gabriella, Guo, Qi, Jing, Y. P., Kauffmann, Guinevere, Willmer, Christopher N. A., Zhang, Wei (2012), "Autocorrelations of stellar light and mass at $z = 0$ and 1 : from SDSS to DEEP2", *MNRAS*, **419**, 1557
- Genzel, R., Tacconi, L., Combes, F., Bolatto, A., Neri, R., Sternberg, A., Cooper, M., Bouch, N., Bournaud, F., Burkert, A., Comerford, J., Davis, M. and 11 coauthors (2012), "The Metallicity Dependence of the CO \rightarrow H₂ Conversion Factor in $z \geq 1$ Star-forming Galaxies", *ApJ*, **746**, 69
- Cooper, Michael, Griffith, Roger, Newman, Jeffrey, Coil, Alison, Davis, Marc, Dutton, Aaron, Faber, S. M., Guhathakurta, Puragra, Koo, David, Lotz, Jennifer, and 3 coauthors (2012), "The DEEP3 Galaxy Redshift Survey: the impact of environment on the size evolution of massive early-type galaxies at intermediate redshift", *MNRAS*, **419**, 3018
- Woo, Joanna, Dekel, Avishai, Faber, S. M., Noeske, Kai, Koo, David, Gerke, Brian, Cooper, Michael, Salim, Samir, Dutton, Aaron A., Newman, Jeffrey, Weiner, Benjamin, Bundy, Kevin, Willmer, Christopher, Davis, Marc, Yan, Renbin (2012), "Dependence of Quenching of Central and Satellite Galaxies at $z=0$ and $z=1$ on Halo Mass and Distance from its Centre", *arXiv1203.1625*, ,
- Newman, Jeffrey, Cooper, Michael, Davis, Marc, Faber, S. M., Coil, Alison, Guhathakurta, Puragra, Koo, David, Phillips, Andrew, Conroy, Charlie, Dutton, Aaron A., and 24 coauthors (2012), "The DEEP2 Galaxy Redshift Survey: Design, Observations, Data Reduction, and Redshifts", *arXiv1203.3192*, ,
- Gerke, Brian, Newman, Jeffrey, Davis, Marc, Coil, Alison, Cooper, Michael, Dutton, Aaron, Faber, S. M., Guhathakurta, Puragra, Konidaris, Nicholas, Koo, David, and 7 coauthors (2012) "The DEEP2 Galaxy Redshift Survey: The Voronoi-Delaunay Method Catalog of Galaxy Groups", *ApJ*, **751**, 50
- Griffith, Roger L., Cooper, Michael, Newman, Jeffrey, Moustakas, Leonidas, Stern, Daniel, Comerford, Julia, Davis, Marc, and 14 coauthors (2012), "The Advanced Camera for Surveys General Catalog: Structural Parameters for Approximately Half a Million Galaxies", *ApJS*, **200**, 9
- Branchini, Enzo, Davis, Marc, Nusser, Adi (2012) "The linear velocity field of 2MASS Redshift Survey, $K_s = 11.75$ galaxies: constraints on β and bulk flow from the luminosity function", *MNRAS*, **424**, 472

Nusser, Adi, Branchini, Enzo, Davis, Marc (2012) "Gaia: A Window to Large-scale Motions", *ApJ*, **755**, 58

Goulding, A., Forman, W., Hickox, R., Jones, C., Kraft, R., Murray, S., Vikhlinin, A., Coil, A., Cooper, M., Davis, M., Newman, J. (2012), "The Chandra X-Ray Point-source Catalog in the DEEP2 Galaxy Redshift Survey Fields", *Ap.JS*, **202**, 6 (arXiv:1206.6884)