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RESEARCH INTERESTS

Galaxy Formation and Evolution; Observational Cosmology

PROFESSIONAL APPOINTMENTS

Assistant Astronomer (2010- present)

Space Telescope Science Institute, Baltimore, MD

Leo Goldberg Fellow (2005- 2010)

National Optical Astronomy Observatory, Tucson, AZ

Postdoctoral Fellow (2002-2005) with Prof. Joel Primack, Sandra Faber, Piero Madau
University of California, Santa Cruz, CA

Graduate Student Research Assistant (1996-2002) with Dr. Henry Ferguson
Space Telescope Science Institute, Baltimore, MD

Research Student (1996) with Professor James Hough
Center for Gravitational Physics, University of Glasgow, U.K.

Smithsonian Astrophysical Observatory REU Intern (1995) with Dr. Brian McNamara
Harvard-Smithsonian Center for Astrophysics, Cambridge, MA

Maria Mitchell Observatory REU intern (1994) with Dr. Eileen Friel
Maria Mitchell Observatory, Nantucket, MA

EDUCATION

Ph.D., Astrophysics, Johns Hopkins University, Baltimore, MD (2003)

Adviser: Dr. Henry Ferguson; *The History of the Evolution of Dwarf Galaxies*

M.A., Astrophysics, Johns Hopkins University, Baltimore, MD (1998)

B.A. with honors, Physics & Astronomy, Bryn Mawr College, Bryn Mawr, PA (1996)

PUBLIC SERVICE

NSF Astronomy & Astrophysics panel member (2009, 2011)

Spitzer Space Telescope Extra-Galactic panel member (2011)

National Optical Astronomy Observatory Goldberg Fellow search committee (2011)

Hubble Space Telescope Extra-Galactic panel member (2005, 2010)

National Optical Astronomy Observatory Extra-Galactic TAC member (2008-2010)

Kitt Peak Observatory 50th Anniversary Steering Committee (2008-present)

SELECTED GRANTS/OBSERVING PROGRAMS

- CoI - Cycle 19 Hubble Space Telescope GO Program (2011)
Galaxy Assembly at High Densities: HST Dissection of a Cluster at $z=1.62$
- CoI - Cycle 19 Hubble Space Telescope GO Program (2011)
Measuring the Star-Formation Efficiency of Galaxies at $z > 1$ with Sizes and SFRs from HST Grism Spectroscopy
- CoI- Hubble Space Telescope Multi-Cycle Treasury Program
Cosmic Assembly Near-infrared Extragalactic Legacy Survey (CANDELS)
- PI - Cycle 6 Galaxy Evolution Explorer (GALEX) Program 60073 (2009)
Evolutionary Paths of Nearby Green Galaxies
- CoI - Cycle 17 Hubble Space Telescope Theory Program 11758 (2008)
Simulated HST Observations of Elliptical Galaxies in Formation
- PI - NOAO/WIYN; (2007)
SparsePak observations of Galaxy Merger Kinematics, Star-formation, and Feedback
- CoI - Cycle 3 Spitzer Space Telescope Theory Program 30183 (2006)
Infrared Predictions from Simulations of Merging Galaxies
- CoI - Cycle 15 Hubble Space Telescope Theory Program 10958 (2006)
Quantifying Observed Timescales in Galaxy Mergers using Simulations
- PI - Cycle 14 Hubble Space Telescope Archival Program 10675 (2005)
A Multi-Wavelength Study of Galaxy Mergers out to $z \sim 2$

ACTIVE COLLABORATIONS

- Large Synoptic Survey Telescope (LSST) Galaxies Science Collaboration
DEep Extragalactic Probe (DEEP) & AEGIS teams
Cosmic Assembly Near-infrared Extragalactic Deep Legacy Survey (CANDELS)

TEACHING/OUTREACH EXPERIENCE

- Kitt Peak Research Experience for Undergraduates (REU) project adviser (2008, 2009)
Steward Observatory public lecture *Collisions in the Cosmos* (2006)
Co-instructor, *The Distant Universe*, Hartnell Community College, Salinas, CA (2004, 2005)
Project adviser for *Stars, Sight, and Science* (2004),
California State Summer School for Mathematics & Science, Santa Cruz, CA
Center for Adaptive Optics Professional Development Workshop (2004)
Teaching assistant for *Introductory Physics*, Johns Hopkins University, (1998-1999)
Teaching assistant for *Introductory Physics*, Bryn Mawr College, (1993-1996)

STUDENTS SUPERVISED

- Alireza Mortazavi, Johns Hopkins University graduate student (2011-present)
Erica Jones, Kitt Peak REU summer student (2009)
Matthew Zagursky, Kitt Peak REU summer student (2008)
Christina Pierce, UCSC Physics graduate student thesis (2004-2008), with J. Primack
Seth Cottrell, UCSC Physics undergraduate thesis (2005), with J. Primack
Tela Favaloro, UCSC Physics undergraduate thesis (2004), with J. Primack
Laura White, STScI REU summer student (2000), with H. Ferguson
Rosemary Telford, STScI REU summer student (1999), with H. Ferguson

TALKS AND COLLOQUIA

invited review at *DECam Community Workshop*, Tucson, AZ (8/11)
contributed talk at *Galaxy Formation*, Durham, UK (7/11)
George Mason University, Department of Physics and Astronomy Colloquium, (4/11)
invited review at *Understanding the Universe at $z = 1 - 3$: Unsolved Problems in Galaxy Evolution*, Aspen Center for Physics, (3/11)
University of Massachusetts, Department of Astronomy Colloquium (3/11)
invited talk at *Massive Galaxies Through Cosmic Time III*, Tucson, AZ (11/10)
New Mexico State University, Department of Astronomy Colloquium (10/10)
invited public talk for *Dixie Forum: A Window on the World* at Dixie State University, St. George UT (10/10)
Arizona State University, CESE seminar (3/10)
Washington State University, Department of Physics and Astronomy Colloquium (2/10)
invited talk, AAS Special Session (1/10)
Galaxy Morphology at High Redshift: Origins of the Hubble Sequence
contributed talk at *Assembly, Gas Content and Star Formation History of Galaxies*, Charlottesville, VA (9/09)
Texas A&M University Astrophysics Seminar (2/09)
Space Telescope Science Institute Colloquium (1/09)
California Institute for Technology Astronomy Colloquium (12/08)
Carnegie Observatories Seminar (12/08)
UC San Diego, Center for Astrophysics & Space Sciences Seminar (11/08)
NOAO/Steward Observatory Colloquium (11/08)
Harvard-Smithsonian Center for Astrophysics, Optical/Infrared Seminar (9/08)
Santa Cruz Galaxy Evolution Workshop, UC Santa Cruz (8/08)
Space Telescope Science Institute, Galaxies Seminar (6/08)
Herzberg Institute for Astronomy, Victoria, BC, Colloquium (1/08)
invited review at ‘*At the Edge of the Universe*’, Sintra, Portugal (10/06)
contributed talk at ‘*Galaxy Mergers - From the Local Universe to the Red Sequence*’, Baltimore, MD (10/06)
contributed talk at ‘*Dwarf Galaxies as Astrophysical and Cosmological Probes*’, Ringberg, Germany (3/06)
contributed talk at ‘*Nearly Normal Galaxies*’, Santa Cruz, CA, (8/05)

REFERENCES

Prof. Joel Primack, Dept. of Physics, University of California, Santa Cruz, email: joel@scipp.ucsc.edu , tel: 831 459 2580	Dr. Henry Ferguson, Space Telescope Science Institute, email: ferguson@stsci.edu , tel: 410 338 5098
Dr. Buell Jannuzi, NOAO, Kitt Peak Observatory, email: bjannuzi@noao.edu , tel: 520 318 8353	Prof. Sandra Faber, Lick Observatory, University of California, Santa Cruz, email: faber@ucolick.org , tel: 831 459 2944

REFEREED PUBLICATIONS

first author publications:

The Major and Minor Galaxy Merger Rates at $z < 1.5$, **Lotz, J. M.**, Jonnson, P., Cox, T.J., Croton, D., Primack, J., Somerville, R., & Stewart, K. 2011, submitted to ApJ

The Effect of Gas Fraction on the Morphologies and Time-Scales of Disc Galaxy Mergers, **Lotz, J.M.**, Jonsson, P., Cox, T.J., Primack, J., 2010, MNRAS, 404, 590

The Effect of Mass Ratio on the Morphologies and Time-Scales of Disc Galaxy Mergers, **Lotz, J.M.**, Jonsson, P., Cox, T.J., Primack, J., 2010, MNRAS, 404, 575

Galaxy Merger Morphologies and Time-Scales from Simulations of Equal-Mass Gas-Rich Disc Mergers, **Lotz, J.M.**, Jonsson, P., Cox, T.J., Primack, J.R., 2008, MNRAS, 391, 1137

The Evolution of Galaxy Mergers and Morphology at $z < 1.2$ in the Extended Groth Strip, **Lotz, J.M.**, Davis, M., Faber, S. M., et al., 2008, ApJ, 672, 177

The Rest-Frame Far-Ultraviolet Morphologies of Star-Forming Galaxies at $z \sim 1.5$ and 4, **Lotz, J.M.**, Madau, P., Giavalisco, M., Primack, J., Ferguson, H.C. 2006, ApJ, 636, 592

A New Nonparametric Approach to Galaxy Morphological Classification, **Lotz, J.M.**, Primack, J., Madau, P., 2004, AJ, 128, 163

The Colors of Dwarf Elliptical Galaxy Globular Cluster Systems, Nuclei, and Stellar Halos, **Lotz, J.M.**, Miller, B.W., Ferguson, H.C. 2004, ApJ, 613, 262

The Star-forming Dwarf Galaxy Populations of Two $z \sim 0.4$ Clusters: MS 1512.4+3647 and A851, **Lotz, J.M.**, Martin, C.L., Ferguson, H.C. 2003, ApJ, 596, 143

Dynamical Friction in dE Globular Cluster Systems, **Lotz, J.M.**, Telford, R., Ferguson, H.C., Miller, B.W., Stiavelli, M., Mack, J., 2001, ApJ, 552, 572

Mid-Ultraviolet Determination of Elliptical Galaxy Abundances and Ages, **Lotz, J.M.**, Ferguson, H.C., Bohlin, R.C., 2000, ApJ, 532, 830

other publications:

CANDELS: Constraining the AGN-Merger Connection with Host Morphologies at $z \sim 2$, Kocevski, D., et al. 2011, submitted to ApJ

CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey, Grogin, N., et al. 2011, submitted to ApJ, arXiv:1105.3753

CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey - The Hubble Space Telescope Observations, Imaging Data Products and Mosaics, Koekemoer, A.M., et al. 2011, submitted to ApJ, arXiv:1105.3754

The relative abundance of compact and normal massive early-type galaxies and its evolution from redshift $z \sim 2$ to the present, Cassata, P., et al. 2011, submitted to ApJ, arXiv:1106.4308

Color and Stellar Population Gradients in Passively Evolving Galaxies at $z \sim 2$ from HST/WFC3 Deep Imaging in the Hubble Ultra Deep Field, Guo, Y., et al. 2011, accepted to ApJ, arXiv: 1101.0843

AEGIS: The Morphologies of Green Galaxies at $0.4 < z < 1.2$, Mendez, A. J., Coil, A. L., **Lotz, J.**, Salim, S., Moustakas, J., Simard, L., accepted to ApJ, arXiv:1101.3353

The Efficacy of Galaxy Shape Parameters in Photometric Redshift Estimation: A Neural Network Approach, Singal, J., et al., 2011, PASP, 123, 615

Hubble Space Telescope Morphologies of $z \sim 2$ Dust-obscured Galaxies. II. Bump Sources, Bussmann, R. S., Dey, A., **Lotz, J.**, et al. 2011, ApJ, 733, 21

The rising star formation histories of distant galaxies and implications for gas accretion with time, Papovich, C., Finkelstein, S. L., Ferguson, H. C., **Lotz, J. M.**, Giavalisco, M., 2011, MNRAS, 412, 1123

The DEEP3 Galaxy Redshift Survey: Keck/DEIMOS Spectroscopy in the GOODS-N Field, Cooper, M. C., et al, 2011, ApJS, 193, 14

Host galaxy colour gradients and accretion disc obscuration in AEGIS $z \sim 1$ X-ray-selected active galactic nuclei, Pierce, C. M., **Lotz, J. M.**, Salim, S., Laird, E. S., Coil, A. L., Bundy, K., Willmer, C. N. A., Rosario, D. J. V., Primack, J. R., Faber, S. M., 2010, MNRAS, 408, 139

The Effects of AGN on Host Galaxy Colour and Morphology Measurements, Pierce, C., **Lotz, J. M.**, et al., 2010, MNRAS, 405, 718

The HST/ACS Coma Cluster Survey. II. Data Description and Source Catalogs, Hammer, D., et al. 2010, ApJS, 191, 143

Reversal of Fortune: Confirmation of an Increasing Star Formation-Density Relation in a Cluster at $z = 1.62$, Tran, Kim-Vy H., et al. 2010, ApJ, 719, L126

Where do Wet, Dry, and Mixed Galaxy Mergers Occur? A Study of the Environments of Close Galaxy Pairs in the DEEP2 Galaxy Redshift Survey, Lin, L., et al. 2010, ApJ, 718, 1158

A Spitzer-selected Galaxy Cluster at $z = 1.62$, Papovich, C., et al. 2010, ApJ, 716, 1503

The Morphology of Passively Evolving Galaxies at $z \sim 2$ from Hubble Space Telescope/WFC3 Deep Imaging in the Hubble Ultra Deep Field, Cassata, P., et al. 2010, ApJ, 714, L79

Tidal Dwarf Galaxies Around a Post-merger Galaxy, NGC 4922, Sheen, Y.-K., Jeong, H., Yi, S. K., Ferreras, I., **Lotz, J. M.**, et al., 2009, AJ, 138, 1911

Host galaxy morphologies of X-ray selected AGN: assessing the significance of different black hole fueling mechanisms to the accretion density of the Universe at $z \sim 1$, Georgakakis, A., Coil, A., Laird, E. S., Griffith, R. L., Nandra, K., **Lotz, J. M.**, Pierce, C., Cooper, M. C., Newman, J. A., Koekemoer, A. M., 2009, MNRAS, 397, 623

Ubiquitous outflows in DEEP2 spectra of star-forming galaxies at $z=1.4$, Weiner, B., Coil, A. L., Prochaska, J. X., Newman, J. A., Cooper, M. C., Bundy, K., Conselice, C. J., Dutton, A. A., Faber, S. M., Koo, D. C., **Lotz, J. M.**, Rieke, G. H., Rubin, K. H. R., 2009, ApJ, 692, 187

The Role of Galaxy Mergers in Cosmic Star Formation History, Shi, Y., Rieke, G., **Lotz, J. M.**, Perez-Gonzalez, P., 2009, ApJ, 697, 1764

HST Morphologies of $z \sim 2$ Dust Obscured Galaxies I: Power-Law Sources, Bussmann, R. S., Dey, A., **Lotz, J.**, et al., 2009, ApJ, 693, 750

Comparing Local Starbursts to High-Redshift Galaxies: a Search for Lyman-Break Analogs, Petty, S. M., de Mello, D. F., Gallagher, J. S., Gardner, J. P., **Lotz, J. M.**, Mountain, C. M., Smith, L. J., 2009, AJ, 138, 362

AEGIS: The Nature of the Host Galaxies of Low-ionization Outflows at $z < 0.6$, Sato, T., Martin, C. L., Noeske, K. G., Koo, D. C., **Lotz, J. M.**, 2009, ApJ, 696, 214

The Redshift Evolution of Wet, Dry, and Mixed Galaxy Mergers from Close Galaxy Pairs in the DEEP2 Galaxy Redshift Survey, Lin, L., Patton, D. R., Koo, D. C., Casteels, K., Conselice, C., Faber, S. M., **Lotz, J.**, et al. 2008, ApJ, 681, 232

The Hubble Space Telescope Advanced Camera for Surveys Coma Cluster Survey. I. Survey Objectives and Design, Carter, D., et al., 2008, ApJS, 176, 424

The role of AGN in the colour transformation of galaxies at redshifts $z \sim 1$, Georgakakis, A., Nandra, K., Yan, R., Willner, S. P., **Lotz, J. M.**, et al 2008, MNRAS, 385, 2049

Hubble Space Telescope Morphologies of Local Lyman Break Galaxy Analogs. I. Evidence for Starbursts Triggered by Merging, Overzier, R. A., Heckman, T. M., Kauffmann, G., Seibert, M., Rich, R., Basu-Zych, A., **Lotz, J.**, et al. 2008, ApJ, 677, 37

The faint and extremely red K-band-selected galaxy population in the DEEP2/Palomar fields, Conselice, C. J., Bundy, K., U, Vivian, Eisenhardt, P., **Lotz, J.**, Newman, J., 2008, MNRAS, 383, 1366

The Globular Cluster Luminosity Function and Specific Frequency in Dwarf Elliptical Galaxies, Miller, B. W., **Lotz, J.M.**, 2007, ApJ, 670, 107

The properties and evolution of a K-band selected sample of massive galaxies at $z \sim 0.4-2$ in the Palomar/DEEP2 survey, Conselice, C. J., Bundy, K., Trujillo, I., Coil, A., Eisenhardt, P., Ellis, R. S., Georgakakis, A., Huang, J., **Lotz, J.**, et al. 2007, MNRAS, 381, 962

Far-infrared characterization of an ultra-luminous starburst associated with a massively accreting black hole at $z=1.15$, Le Floch, E., Willmer, C. N. A., Noeske, K., Konidaris, N. P., Laird, E. S., Koo, D. C., Nandra, K., Bundy, K., Salim, S., Maiolino, R., Conselice, C. J., **Lotz, J. M.**, et al., 2007, ApJ, 660L, 65

AEGIS: A Panchromatic Study of IRAC-selected Extremely Red Objects with Confirmed Spectroscopic Redshifts, Wilson, G., Huang, J.-S., Fazio, G. G., Yan, R., Koekemoer, A. M., Salim, S., Faber, S. M., **Lotz, J.**, et al., 2007, ApJ, 660L, 59

The Diversity of Bright Near-IR Selected Distant Red Galaxies, Conselice, C. J., Newman, J. A., Georgakakis, A., Almaini, O., Coil, A. L., Cooper, M. C., Eisenhardt, P., Foucaud, S., Koekemoer, A., **Lotz, J.**, et al., 2007, ApJ, 660L, 55

AEGIS: Enhancement of Dust Enshrouded Star-Formation in Close Galaxy Pairs and Merging Galaxies up to $z \sim 1$, Lin, L., Koo, D. C., Weiner, B. J., Chiueh, T., Coil, A., **Lotz, J.**, et al., 2007, ApJ, 660L, 51

AEGIS: Star-formation in field galaxies since $z=1.1$ II. A model of mass-dependent gas exhaustion and staged galaxy formation, Noeske, K., Faber, S. M., Weiner, B. J., Koo, D. C., Primack, J. R., Dekel, A., Papovich, C., Conselice, C. J., Le Floch, E., Rieke, G., Coil, A. L., **Lotz, J. M.**, Somerville, R. S., Bundy, K., 2007, ApJ, 660L, 47

AEGIS: Star-formation in field galaxies since $z=1.1$ I. Dominance of gradually declining over episodic star formation, Noeske, K., Weiner, B. J., Faber, S. M., Papovich, C., Koo, D. C., Somerville, R. S., Bundy, K., Conselice, C. J., Newman, J. A., Schiminovich, D., Le Floch, E., Coil, A. L., Rieke, G. H., **Lotz, J. M.**, et al., 2007, ApJ, 660L, 43

The Stellar Mass Tully-Fisher Relation to $z=1.2$, Kassin, S., Weiner, B. J., Faber, S., Koo, D. C., **Lotz, J. M.**, et al. ApJ, 660L, 35

A Strong-Lens Survey in AEGIS, Moustakas, L. A., Marshall, P., Newman, J. A., Coil, A. L., Cooper, M. C., Davis, M., Fassnacht, C. D., Guhathakurta, P., Hopkins, A., Koekemoer, A., Konidaris, N. P., **Lotz, J. M.**, Willmer, C. N. A., 2007, ApJ, 660L, 31

AEGIS: Galaxy Spectral Energy Distributions from the X-Ray to Radio, Konidaris, N.P., Guhathakurta, P., Bundy, K., Coil, A. L., Conselice, C. J., Cooper, M. C., Eisenhardt, P. R. M., Huang, J.-S., Ivison, R. J., Kassin, S. A., Kirby, E. N., **Lotz, J. M.**, et al. 2007, ApJ, 660L, 7

The All-wavelength Extended Groth Strip International Survey (AEGIS), Davis, M., et al. ApJ, 660L, 1

The Morphological Diversities among Star-Forming Galaxies at High Redshifts in the Great Observatories Origins Deep Survey, Ravindranath, S., Giavalisco, M., Ferguson, H. C., Conselice, C., Katz, N., Weinberg, M., **Lotz, J.**, Dickinson, M., Fall, S. M., Mobasher, B., Papovich, C., 2006, ApJ, 652, 963

Merging Galaxies in GOODS-S: First Extragalactic Results from Keck Laser Adaptive Optics, Melbourne, J., Wright, S. A., Barczys, M., Bouchez, A. H., Chin, J., van Dam, M. A., Hartman, S., Johansson, E., Koo, D. C., Lafon, R., Larkin, J., Le Mignant, D., **Lotz, J.**, et al. 2005, ApJ, 625, L27

Star Clusters in Virgo and Fornax Dwarf Irregular Galaxies, Seth, A., Olsen, K., Miller, B., **Lotz, J.M.**, Telford, R., 2004, AJ, 127, 798

The Redshift Distribution of Near-Infrared-Selected Galaxies in the Great Observatories Origins Deep Survey as a Test of Galaxy Formation Scenarios, Somerville, R.S., Moustakas, L. A., Mobasher, B., Gardner, J. P., Cimatti, A., Conselice, C., Daddi, E., Dahlen, T., Dickinson, M., Eisenhardt, P., **Lotz, J.**, et al. 2004, ApJ, 600L, 135

The $z \sim 4$ Lyman Break Galaxies: Colors and Theoretical Predictions, Idzi, R., Somerville, R., Papovich, C., Ferguson, H. C., Giavalisco, M., Kretchmer, C., **Lotz, J.**, 2004, ApJ, 600L, 115

Evolution in the Colors of Lyman Break Galaxies from $z \sim 4$ to $z \sim 3$, Papovich, C., Dickinson, M., Ferguson, H. C., Giavalisco, M., **Lotz, J.**, et al., 2004, ApJ, 600L, 111

Metallicities of Old Open Clusters, Friel, E.D., Janes, K. A., Tavarez, M., Scott, J., Katsanis, R., **Lotz, J.**, Hong, L., Miller, N., 2002, AJ, 124, 2693

The Nuclear Cusp Slopes of Dwarf Elliptical Galaxies, Stiavelli, M., Miller, B. W., Ferguson, H. C., Mack, J., Whitmore, B. C., **Lotz, J. M.**, 2001, AJ, 121, 1385

An Emission-Line Search for Star-forming Dwarf Galaxies toward Abell 851, Martin, C.L., **Lotz, J.M.**, Ferguson, H.C., 2000, ApJ, 543, 97

The Specific Globular Cluster Frequencies of Dwarf Elliptical Galaxies from HST Miller, B.W., **Lotz, J.M.**, Ferguson, H.C., Stiavelli, M., Whitmore, B.C. 1998, ApJ, 508, 133

SELECTED NON-REFEREED PRESENTATIONS

The Hartnell Astronomy Short Course: Bolstering the Scientific Research Preparation of Community College Students, Metevier, A. J., Joggerst, C. C., Moth, P., **Lotz, J.**, Pollack, L., Noeske, K., Lopez, L., Laver, C., Rubin, K., Ammons, M., 2010 ASPC 436 364, Learning from Inquiry in Practice. Ed. L. Hunter & Anne Metevier. San Francisco: Astronomical Society of the Pacific, 2010, p.364

Galaxy Evolution with LSST, **Lotz, J.M.** & the LSST Galaxy Collaboration, BAAS, 2010

NIR Light Profiles of Elliptical Galaxies at $z \sim 1$, Jones, E., & **Lotz, J.M.**, BAAS, 2010

LSST Science Book, 2009, LSST Science Collaborations, arXiv0912.0201

Tough Talk: Women Giving Colloquia” Norman, D., **Lotz, J.M.**, et al. 2009, at Women in Astronomy 2009, College Park, MD

Galaxy Mergers and Mass Assembly in LSST, Bridge, C., **Lotz, J. M.**, Armus, L., Ferguson, H. C., & LSST Galaxies Collaboration, 2009, BAAS, Vol. 41, p. 669

Investigating Galaxy Mergers Signatures with IGNITE, Zargusky, M. & **Lotz, J.M.**, 2009, BAAS, Vol. 41, p. 324

The Evolution of the Galaxy Merger Rate at $z < 1$, **Lotz, J. M.**, 2007, At the Edge of the Universe: Latest Results from the Deepest Astronomical Surveys, ASP Conference Series, Vol. 380, p.467 (**invited review**)

A Bayesian Approach to Constraining Dwarf Galaxy Evolution, **Lotz, J.M.**, 2003, The Baryonic Universe, Aspen Winter Meeting, Aspen, CO

Colors of Dwarf Elliptical Globular Cluster Systems, **Lotz, J.**, Miller, B., Ferguson, H.C., Stiavelli, M., 2003, Extragalactic Globular Cluster Systems:: Proceedings of the ESO Workshop, Garching, Germany, Edited by M. Kissler-Patig. Springer-Verlag, p. 211

Twinkle, twinkle little star: the need for adaptive optics in optical astronomy, **Lotz, J.**, 1998, widely cited on-line AO tutorial: <http://www.pha.jhu.edu/~jlotz/aoptics/empaper2.html>