

# Bibliography

Ivelina G. Momcheva

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## PUBLICATIONS

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- [1] Dickey, C. M., van Dokkum, P. G., Oesch, P. A., Whitaker, K. E., **Momcheva, I. G.**, Nelson, E. J., Leja, J., Brammer, G. B., Franx, M., Skelton, R. E., "The Relation between  $[\text{O III}]/\text{H}\beta$ ; and Specific Star Formation Rate in Galaxies at  $z\sim 2$ ", 2016, *The Astrophysical Journal*, 828, L11
- [2] Nelson, E. J., van Dokkum, P. G., Förster Schreiber, N. M., Franx, M., Brammer, G. B., **Momcheva, I. G.**, Wuyts, S., Whitaker, K. E., Skelton, R. E., Fumagalli, M., Hayward, C. C., Kriek, M., Labbè, I., Leja, J., Rix, H.-W., Tacconi, L. J., van der Wel, A., van den Bosch, F. C., Oesch, P. A., Dickey, C., Ulf Lange, J., "Where Stars Form: Inside-out Growth and Coherent Star Formation from HST  $\text{H}\alpha$ ; Maps of 3200 Galaxies across the Main Sequence at  $0.7 < z < 1.5$ ", 2016, *The Astrophysical Journal*, 828, 27
- [3] Maseda, M. V., van der Wel, A., Rix, H.-W., **Momcheva, I. G.**, Brammer, G. B., Franx, M., Lundgren, B. F., Skelton, R. E., Whitaker, K. E., "The Number Density Evolution of Extreme Emission Line Galaxies in 3D-HST: Results from a Novel Automated Line Search Technique for Slitless Spectroscopy", 2016, ArXiv e-prints, arXiv:1608.01674
- [4] **Momcheva, I. G.**, Brammer, G. B., van Dokkum, P. G., Skelton, R. E., Whitaker, K. E., Nelson, E. J., Fumagalli, M., Maseda, M. V., Leja, J., Franx, M., Rix, H.-W., Bezanson, R., Da Cunha, E., Dickey, C., Förster Schreiber, N. M., Illingworth, G., Kriek, M., Labbe, I., Ulf Lange, J., Lundgren, B. F., Magee, D., Marchesini, D., Oesch, P., Pacifici, C., Patel, S. G., Price, S., Tal, T., Wake, D. A., van der Wel, A., Wuyts, S., "The 3D-HST Survey: Hubble Space Telescope WFC3/G141 grism spectra, redshifts, and emission line measurements for  $\sim 100,000$  galaxies", 2016, *The Astrophysical Journal Supplement Series*, 225, 27
- [5] Martis, N. S., Marchesini, D., Brammer, G. B., Muzzin, A., Labbè, I., **Momcheva, I. G.**, Skelton, R. E., Stefanon, M., van Dokkum, P. G., Whitaker, K. E., "The Evolution of the Fractions of Quiescent and Star-forming Galaxies as a Function of Stellar Mass Since  $z = 3$ : Increasing Importance of Massive, Dusty Star-forming Galaxies in the Early Universe", 2016, *The Astrophysical Journal*, 827, L25
- [6] Wuyts, E., Wisnioski, E., Fossati, M., Förster Schreiber, N. M., Genzel, R., Davies, R., Mendel, J. T., Naab, T., Röttgers, B., Wilman, D. J., Wuyts, S., Bandara, K., Beifiori, A., Belli, S., Bender, R., Brammer, G. B., Burkert, A., Chan, J., Galametz, A., Kulkarni, S. K., Lang, P., Lutz, D., **Momcheva, I. G.**, Nelson, E. J., Rosario, D., Saglia, R. P., Seitz, S., Tacconi, L. J., Tadaki, K.-i., Ubler, H., van Dokkum, P., "The Evolution of Metallicity and Metallicity Gradients from  $z = 2.7$  to 0.6 with KMOS<sup>3D</sup>", 2016, *The Astrophysical Journal*, 827, 74
- [7] Burkert, A., Förster Schreiber, N. M., Genzel, R., Lang, P., Tacconi, L. J., Wisnioski, E., Wuyts, S., Bandara, K., Beifiori, A., Bender, R., Brammer, G., Chan, J., Davies, R., Dekel, A., Fabricius, M., Fossati, M., Kulkarni, S., Lutz, D., Mendel, J. T., **Momcheva, I. G.**, Nelson, E. J., Naab, T., Renzini, A., Saglia, R., Sharples, R. M., Sternberg, A., Wilman, D., Wuyts, E., "The angular momentum distribution and baryon content of star forming galaxies at  $z\sim 1-3$ ", 2016, *The Astrophysical Journal*, 826, 214
- [8] Whitaker, K. E., Bezanson, R., van Dokkum, P. G., Franx, M., van der Wel, A., Brammer, G., Förster Schreiber, N. M., Giavalisco, M., Labbe, I., **Momcheva, I. G.**, Nelson, E. J., Skelton, R., "Predicting Quiescence: The Dependence of Specific Star Formation Rate on Galaxy Size and Central Density at  $0.5 < z < 2.5$ ", 2016, ArXiv e-prints, arXiv:1607.03107
- [9] Lange, J. U., van Dokkum, P. G., **Momcheva, I. G.**, Nelson, E. J., Leja, J., Brammer, G., Whitaker, K. E., Franx, M., "Evidence for non-stellar rest-frame near-IR emission associated with increased star formation in galaxies at  $z \sim 1$ ", 2016, *The Astrophysical Journal*, 819, L4

- [10] Nelson, E. J., van Dokkum, P. G., **Momcheva, I. G.**, Brammer, G. B., Wuyts, S., Franx, M., Förster Schreiber, N. M., Whitaker, K. E., Skelton, R. E., "Spatially Resolved Dust Maps from Balmer Decrements in Galaxies at  $z \sim 1.4$ ", 2016, *The Astrophysical Journal*, 817, L9
- [11] van Dokkum, P. G., Nelson, E. J., Franx, M., Oesch, P., **Momcheva, I. G.**, Brammer, G., Förster Schreiber, N. M., Skelton, R. E., Whitaker, K. E., van der Wel, A., Bezanson, R., Fumagalli, M., Illingworth, G. D., Kriek, M., Leja, J., Wuyts, S., "Forming Compact Massive Galaxies", 2015, *The Astrophysical Journal*, 813, 23
- [12] Bezanson, R., Wake, D. A., Brammer, G. B., van Dokkum, P. G., Franx, M., Labbe, I., Leja, J., **Momcheva, I. G.**, Nelson, E. J., Quadri, R. F., Skelton, R. E., Weiner, B. J., Whitaker, K. E., "Leveraging 3D-HST Grism Redshifts to Quantify Photometric Redshift Performance", 2016, *The Astrophysical Journal*, 822, 30
- [13] Fumagalli, M., Franx, M., van Dokkum, P., Whitaker, K. E., Skelton, R. E., Brammer, G., Nelson, E., Maseda, M., **Momcheva, I. G.**, Kriek, M., Labbè, I., Lundgren, B., Rix, H.-W., "Ages of Massive Galaxies at  $0.5 < z < 2.0$  from 3D-HST Rest-frame Optical Spectroscopy", 2016, *The Astrophysical Journal*, 822, 1
- [14] Oesch, P. A., Brammer, G., van Dokkum, P. G., Illingworth, G. D., Bouwens, R. J., Labbè, I., Franx, M., **Momcheva, I. G.**, Ashby, M. L. N., Fazio, G. G., Gonzalez, V., Holden, B., Magee, D., Skelton, R. E., Smit, R., Spitler, L. R., Trenti, M., Willner, S. P., "A Remarkably Luminous Galaxy at  $z=11.1$  Measured with Hubble Space Telescope Grism Spectroscopy", 2016, *The Astrophysical Journal*, 819, 129
- [15] Whitaker, K. E., Franx, M., Bezanson, R., Brammer, G. B., van Dokkum, P. G., Kriek, M. T., Labbe, I., Leja, J., **Momcheva, I. G.**, Nelson, E. J., Rigby, J. R., Rix, H.-W., Skelton, R. E., van der Wel, A., Wuyts, S., "Galaxy Structure as a Driver of the Star Formation Sequence Slope and Scatter", 2015, *The Astrophysical Journal*, 811, L12
- [16] Tran, K.-V. H., Nanayakkara, T., Yuan, T., Kacprzak, G. G., Glazebrook, K., Kewley, L. J., **Momcheva, I. G.**, Papovich, C. J., Quadri, R., Rudnick, G., Saintonge, A., Spitler, L. R., Straatman, C., Tomczak, A., "ZFIRE: Galaxy Cluster Kinematics, H alpha Star Formation Rates, and Gas Phase Metallicities of XMM-LSS J02182-05102 at  $z_{cl} = 1.6232$ ", 2015, *The Astrophysical Journal*, 811, 28
- [17] **Momcheva, I. G.**, Williams, K. A., Cool, R. J., Keeton, C. R., Zabludoff, A. I., "A Spectroscopic Survey of the Fields of 28 Strong Gravitational Lenses", 2015, *The Astrophysical Journal Supplement Series*, 219, 29
- [18] Nelson, E. J., van Dokkum, P. G., Förster Schreiber, N. M., Franx, M., Brammer, G. B., **Momcheva, I. G.**, Wuyts, S., Whitaker, K. E., Skelton, R. E., Fumagalli, M., Kriek, M., Labbe, I., Leja, J., Rix, H.-W., Tacconi, L. J., van der Wel, A., van den Bosch, F. C., Oesch, P. A., Dickey, C., Ulf Lange, J., "Where stars form: inside-out growth and coherent star formation from HST Halpha maps of 2676 galaxies across the main sequence at  $z \sim 1$ ", 2015, ArXiv e-prints, arXiv:1507.03999
- [19] **Momcheva, I. G.**, Tollerud, E., "Software Use in Astronomy: an Informal Survey", 2015, ArXiv e-prints, arXiv:1507.03989
- [20] Kriek, M., Shapley, A. E., Reddy, N. A., Siana, B., Coil, A. L., Mobasher, B., Freeman, W. R., de Groot, L., Price, S. H., Sanders, R., Shivaeei, I., Brammer, G. B., **Momcheva, I. G.**, Skelton, R. E., van Dokkum, P. G., Whitaker, K. E., Aird, J., Azadi, M., Kassis, M., Bullock, J. S., Conroy, C., Dave, R., Keres, D., Krumholz, M., "The MOSFIRE Deep Evolution Field (MOSDEF) Survey: Rest-frame Optical Spectroscopy for 1500 H-selected Galaxies at  $1.37 < z < 3.8$ ", 2015, *The Astrophysical Journal Supplement Series*, 218, 15
- [21] Oesch, P. A., van Dokkum, P. G., Illingworth, G. D., Bouwens, R. J., **Momcheva, I. G.**, Holden, B., Roberts-Borsani, G. W., Smit, R., Franx, M., Labbe, I., Gonzalez, V., Magee, D., "A Spectroscopic Redshift Measurement for a Luminous Lyman Break Galaxy at  $z = 7.730$  Using Keck/MOSFIRE", 2015, *The Astrophysical Journal*, 804, L30

- [22] Mendel, J. T., Saglia, R. P., Bender, R., Beifiori, A., Chan, J., Fossati, M., Wilman, D. J., Bandara, K., Brammer, G. B., Förster Schreiber, N. M., Galametz, A., Kulkarni, S., **Momcheva, I. G.**, Nelson, E. J., van Dokkum, P. G., Whitaker, K. E., Wuyts, S., "First Results from the VIRIAL Survey: The Stellar Content of UVJ-selected Quiescent Galaxies at  $1.5 < z < 2$  from KMOS", 2015, *The Astrophysical Journal*, 804, L4
- [23] Wisnioski, E., Förster Schreiber, N. M., Wuyts, S., Wuyts, E., Bandara, K., Wilman, D., Genzel, R., Bender, R., Davies, R., Fossati, M., Lang, P., Mendel, J. T., Beifiori, A., Brammer, G., Chan, J., Fabricius, M., Fudamoto, Y., Kulkarni, S., Kurk, J., Lutz, D., Nelson, E. J., **Momcheva, I. G.**, Rosario, D., Saglia, R., Seitz, S., Tacconi, L. J., van Dokkum, P. G., "The KMOS<sub>i</sub>SUP<sub>i</sub>3D<sub>i</sub>/SUP<sub>i</sub> Survey: Design, First Results, and the Evolution of Galaxy Kinematics from  $0.7 < z < 2.7$ ", 2015, *The Astrophysical Journal*, 799, 209
- [24] de los Reyes, M. A., Ly, C., Lee, J. C., Salim, S., Peeples, M. S., **Momcheva, I. G.**, Feddersen, J., Dale, D. A., Ouchi, M., Ono, Y., Finn, R., "The Relationship between Stellar Mass, Gas Metallicity, and Star Formation Rate for H $\alpha$ -Selected Galaxies at  $z \sim 0.8$  from the NewH $\alpha$  Survey", 2015, *The Astronomical Journal*, 149, 79
- [25] Pacifici, C., da Cunha, E., Charlot, S., Rix, H.-W., Fumagalli, M., Wel, A. v. d., Franx, M., Maseda, M. V., van Dokkum, P. G., Brammer, G. B., **Momcheva, I.**, Skelton, R. E., Whitaker, K., Leja, J., Lundgren, B., Kassin, S. A., Yi, S. K., "On the importance of using appropriate spectral models to derive physical properties of galaxies at  $0.7 < z < 2.8$ ", 2015, *Monthly Notices of the Royal Astronomical Society*, 447, 786
- [26] Prescott, M. K. M., **Momcheva, I.**, Brammer, G. B., Fynbo, J. P. U., Möller, P., "Overturning the Case for Gravitational Powering in the Prototypical Cooling Lyman-alpha Nebula", 2015, ArXiv e-prints, arXiv:1501.05312, accepted
- [27] Kriek, M., Shapley, A. E., Reddy, N. A., Siana, B., Coil, A. L., Mobasher, B., Freeman, W. R., de Groot, L., Price, S. H., Sanders, R., Shivaee, I., Brammer, G. B., **Momcheva, I. G.**, Skelton, R. E., van Dokkum, P. G., Whitaker, K. E., Aird, J., Azadi, M., Kassis, M., Bullock, J. S., Conroy, C., Dave, R., Keres, D., Krumholz, M., "The MOSFIRE Deep Evolution Field (MOSDEF) Survey: Rest-Frame Optical Spectroscopy For  $\sim 1500$  H-Selected Galaxies at  $1.37 < z < 3.8$ ", 2014, ArXiv e-prints, arXiv:1412.1835
- [28] Fumagalli, M., Labbé, I., Patel, S. G., Franx, M., van Dokkum, P., Brammer, G., da Cunha, E., Förster Schreiber, N. M., Kriek, M., Quadri, R., Rix, H.-W., Wake, D., Whitaker, K. E., Lundgren, B., Marchesini, D., Maseda, M., **Momcheva, I.**, Nelson, E., Pacifici, C., Skelton, R. E., "How Dead are Dead Galaxies? Mid-infrared Fluxes of Quiescent Galaxies at Redshift  $0.3 < z < 2.5$ : Implications for Star Formation Rates and Dust Heating", 2014, *The Astrophysical Journal*, 796, 35
- [29] Genzel, R., Förster-Schreiber, N. M., Rosario, D., Lang, P., Lutz, D., Wisnioski, E., Wuyts, E., Wuyts, S., Bandara, K., Bender, R., Berta, S., Kurk, J., Mendel, J. T., Tacconi, L. J., Wilman, D., Beifiori, A., Brammer, G., Burkert, A., Buschkamp, P., Chan, J., Carollo, C. M., Davies, R., Eisenhauer, F., Fabricius, M., Fossati, M., Kriek, M., Kulkarni, S., Lilly, S. J., Mancini, C., **Momcheva, I.**, Naab, T., Nelson, E. J., Renzini, A., Saglia, R., Sharples, R. M., Sternberg, A., Tacchella, S., van Dokkum, P., "Evidence for Wide-spread Active Galactic Nucleus-driven Outflows in the Most Massive  $z \sim 1-2$  Star-forming Galaxies", 2014, *The Astrophysical Journal*, 796, 7
- [30] Whitaker, K. E., Franx, M., Leja, J., van Dokkum, P. G., Henry, A., Skelton, R. E., Fumagalli, M., **Momcheva, I.**, Brammer, G. B., Labbé, I., Nelson, E. J., Rigby, J. R., "Constraining the Low-mass Slope of the Star Formation Sequence at  $0.5 < z < 2.5$ ", 2014, *The Astrophysical Journal*, 795, 104
- [31] Skelton, R. E., Whitaker, K. E., **Momcheva, I.**, Brammer, G. B., van Dokkum, P. G., Labbé, I., Franx, M., van der Wel, A., Bezanson, R., Da Cunha, E., Fumagalli, M., Förster-Schreiber, N., Kriek, M., Leja, J., Lundgren, B. F., Magee, D., Marchesini, D., Maseda, M. V., Nelson, E. J., Oesch, P., Pacifici, C., Patel, S. G., Price, S., Rix, H.-W., Tal, T., Wake, D. A., Wuyts, S., "3D-HST WFC3-selected Photometric Catalogs in the Five CANDELS/3D-HST Fields: Photometry, Photometric Redshifts, and Stellar Masses", 2014, *The Astrophysical Journal Supplement Series*, 214, 24

- [32] Trump, J. R., Barro, G., Juneau, S., Weiner, B. J., Luo, B., Brammer, G. B., Bell, E. F., Brandt, W. N., Dekel, A., Guo, Y., Hopkins, P. F., Koo, D. C., Kocevski, D. D., McIntosh, D. H., **Momcheva, I.**, Faber, S. M., Ferguson, H. C., Grogin, N. A., Kartaltepe, J., Koekemoer, A. M., Lotz, J., Maseda, M., Mozena, M., Nandra, K., Rosario, D. J., Zeimann, G. R., "No More Active Galactic Nuclei in Clumpy Disks Than in Smooth Galaxies at  $z \sim 2$  in CANDELS/3D-HST", 2014, *The Astrophysical Journal*, 793, 101
- [33] Nelson, E., van Dokkum, P., Franx, M., Brammer, G., **Momcheva, I.**, Schreiber, N. F., da Cunha, E., Tacconi, L., Bezanson, R., Kirkpatrick, A., Leja, J., Rix, H.-W., Skelton, R., van der Wel, A., Whitaker, K., Wuyts, S., "A massive galaxy in its core formation phase three billion years after the Big Bang", 2014, *Nature*, 513, 394
- [34] Wisnioski, E., Förster-Schreiber, N. M., Wuyts, S., Wuyts, E., Bandara, K., Wilman, D., Genzel, R., Bender, R., Davies, R., Fossati, M., Lang, P., Mendel, J. T., Beifiori, A., Brammer, G., Chan, J., Fabricius, M., Fudamoto, Y., Kulkarni, S., Kurk, J., Lutz, D., Nelson, E. J., **Momcheva, I.**, Rosario, D., Saglia, R., Seitz, S., Tacconi, L. J., van Dokkum, P. G., "The KMOS-3D Survey: design, first results, and the evolution of galaxy kinematics from  $0.7 < z < 2.7$ ", 2014, *ArXiv e-prints*, arXiv:1409.6791
- [35] van der Wel, A., Chang, Y.-Y., Bell, E. F., Holden, B. P., Ferguson, H. C., Giavalisco, M., Rix, H.-W., Skelton, R., Whitaker, K., **Momcheva, I.**, Brammer, G., Kassin, S. A., Martig, M., Dekel, A., Ceverino, D., Koo, D. C., Mozena, M., van Dokkum, P. G., Franx, M., Faber, S. M., Primack, J., "Geometry of Star-forming Galaxies from SDSS, 3D-HST, and CANDELS", 2014, *The Astrophysical Journal*, 792, LL6
- [36] van Dokkum, P. G., Bezanson, R., van der Wel, A., Nelson, E. J., **Momcheva, I.**, Skelton, R. E., Whitaker, K. E., Brammer, G., Conroy, C., Förster-Schreiber, N. M., Fumagalli, M., Kriek, M., Labbé, I., Leja, J., Marchesini, D., Muzzin, A., Oesch, P., Wuyts, S., "Dense Cores in Galaxies Out to  $z = 2.5$  in SDSS, UltraVISTA, and the Five 3D-HST/CANDELS Fields", 2014, *The Astrophysical Journal*, 791, 45
- [37] Maseda, M. V., van der Wel, A., Rix, H.-W., da Cunha, E., Pacifici, C., **Momcheva, I.**, Brammer, G. B., Meidt, S. E., Franx, M., van Dokkum, P., Fumagalli, M., Bell, E. F., Ferguson, H. C., Förster-Schreiber, N. M., Koekemoer, A. M., Koo, D. C., Lundgren, B. F., Marchesini, D., Nelson, E. J., Patel, S. G., Skelton, R. E., Straughn, A. N., Trump, J. R., Whitaker, K. E., "The Nature of Extreme Emission Line Galaxies at  $z = 1-2$ : Kinematics and Metallicities from Near-infrared Spectroscopy", 2014, *The Astrophysical Journal*, 791, 17
- [38] Wuyts, E., Kurk, J., Förster-Schreiber, N. M., Genzel, R., Wisnioski, E., Bandara, K., Wuyts, S., Beifiori, A., Bender, R., Brammer, G. B., Burkert, A., Buschkamp, P., Carollo, C. M., Chan, J., Davies, R., Eisenhauer, F., Fossati, M., Kulkarni, S. K., Lang, P., Lilly, S. J., Lutz, D., Mancini, C., Mendel, J. T., **Momcheva, I. G.**, Naab, T., Nelson, E. J., Renzini, A., Rosario, D., Saglia, R. P., Seitz, S., Sharples, R. M., Sternberg, A., Tacchella, S., Tacconi, L. J., van Dokkum, P., Wilman, D. J., "A Consistent Study of Metallicity Evolution at  $0.8 < z < 2.6$ ", 2014, *The Astrophysical Journal*, 789, LL40
- [39] Wong, K. C., Tran, K.-V. H., Suyu, S. H., **Momcheva, I. G.**, Brammer, G. B., Brodwin, M., Gonzalez, A. H., Halkola, A., Kacprzak, G. G., Koekemoer, A. M., Papovich, C. J., Rudnick, G. H., "Discovery of a Strong Lensing Galaxy Embedded in a Cluster at  $z = 1.62$ ", 2014, *The Astrophysical Journal*, 789, LL31
- [40] Tal, T., Dekel, A., Oesch, P., Muzzin, A., Brammer, G. B., van Dokkum, P. G., Franx, M., Illingworth, G. D., Leja, J., Magee, D., Marchesini, D., **Momcheva, I.**, Nelson, E. J., Patel, S. G., Quadri, R. F., Rix, H.-W., Skelton, R. E., Wake, D. A., Whitaker, K. E., "Observations of Environmental Quenching in Groups in the 11 Gyr since  $z = 2.5$ : Different Quenching for Central and Satellite Galaxies", 2014, *The Astrophysical Journal*, 789, 164
- [41] Price, S. H., Kriek, M., Brammer, G. B., Conroy, C., Förster-Schreiber, N. M., Franx, M., Fumagalli, M., Lundgren, B., **Momcheva, I.**, Nelson, E. J., Skelton, R. E., van Dokkum, P. G., Whitaker, K. E., Wuyts, S., "Direct Measurements of Dust Attenuation in  $z \sim 1.5$  Star-forming Galaxies from 3D-HST: Implications for Dust Geometry and Star Formation Rates", 2014, *The Astrophysical Journal*, 788, 86

- [42] van der Wel, A., Franx, M., van Dokkum, P. G., Skelton, R. E., **Momcheva, I. G.**, Whitaker, K. E., Brammer, G. B., Bell, E. F., Rix, H.-W., Wuyts, S., Ferguson, H. C., Holden, B. P., Barro, G., Koekemoer, A. M., Chang, Y.-Y., McGrath, E. J., Häussler, B., Dekel, A., Behroozi, P., Fumagalli, M., Leja, J., Lundgren, B. F., Maseda, M. V., Nelson, E. J., Wake, D. A., Patel, S. G., Labbé, I., Faber, S. M., Grogin, N. A., Kocevski, D. D., "3D-HST+CANDELS: The Evolution of the Galaxy Size-Mass Distribution since  $z = 3$ ", 2014, *The Astrophysical Journal*, 788, 28
- [43] Lang, P., Wuyts, S., Somerville, R. S., Förster-Schreiber, N. M., Genzel, R., Bell, E. F., Brammer, G., Dekel, A., Faber, S. M., Ferguson, H. C., Grogin, N. A., Kocevski, D. D., Koekemoer, A. M., Lutz, D., McGrath, E. J., **Momcheva, I.**, Nelson, E. J., Primack, J. R., Rosario, D. J., Skelton, R. E., Tacconi, L. J., van Dokkum, P. G., Whitaker, K. E., "Bulge Growth and Quenching since  $z = 2.5$  in CANDELS/3D-HST", 2014, *The Astrophysical Journal*, 788, 11
- [44] Oesch, P. A., Bouwens, R. J., Illingworth, G. D., Labbé, I., Smit, R., Franx, M., van Dokkum, P. G., **Momcheva, I.**, Ashby, M. L. N., Fazio, G. G., Huang, J.-S., Willner, S. P., Gonzalez, V., Magee, D., Trenti, M., Brammer, G. B., Skelton, R. E., Spitler, L. R., "The Most Luminous  $z \sim 9-10$  Galaxy Candidates Yet Found: The Luminosity Function, Cosmic Star-formation Rate, and the First Mass Density Estimate at 500 Myr", 2014, *The Astrophysical Journal*, 786, 108
- [45] Wuyts, S., Förster-Schreiber, N. M., Nelson, E. J., van Dokkum, P. G., Brammer, G., Chang, Y.-Y., Faber, S. M., Ferguson, H. C., Franx, M., Fumagalli, M., Genzel, R., Grogin, N. A., Kocevski, D. D., Koekemoer, A. M., Lundgren, B., Lutz, D., McGrath, E. J., **Momcheva, I.**, Rosario, D., Skelton, R. E., Tacconi, L. J., van der Wel, A., Whitaker, K. E., "A CANDELS-3D-HST synergy: Resolved Star Formation Patterns at  $0.7 < z < 1.5$ ", 2013, *The Astrophysical Journal*, 779, 135
- [46] Leja, J., van Dokkum, P. G., **Momcheva, I.**, Brammer, G., Skelton, R. E., Whitaker, K. E., Andrews, B. H., Franx, M., Kriek, M., van der Wel, A., Bezanson, R., Conroy, C., Förster-Schreiber, N., Nelson, E., Patel, S. G., "Exploring the Chemical Link between Local Ellipticals and Their High-redshift Progenitors", 2013, *The Astrophysical Journal*, 778, LL24
- [47] Patel, S. G., Fumagalli, M., Franx, M., van Dokkum, P. G., van der Wel, A., Leja, J., Labbé, I., Brammer, G., Skelton, R. E., **Momcheva, I.**, Whitaker, K. E., Lundgren, B., Muzzin, A., Quadri, R. F., Nelson, E. J., Wake, D. A., Rix, H.-W., "The Structural Evolution of Milky-Way-like Star-forming Galaxies since  $z \sim 1.3$ ", 2013, *The Astrophysical Journal*, 778, 115
- [48] Maseda, M. V., van der Wel, A., da Cunha, E., Rix, H.-W., Pacifici, C., **Momcheva, I.**, Brammer, G. B., Franx, M., van Dokkum, P., Bell, E. F., Fumagalli, M., Grogin, N. A., Kocevski, D. D., Koekemoer, A. M., Lundgren, B. F., Marchesini, D., Nelson, E. J., Patel, S. G., Skelton, R. E., Straughn, A. N., Trump, J. R., Weiner, B. J., Whitaker, K. E., Wuyts, S., "Confirmation of Small Dynamical and Stellar Masses for Extreme Emission Line Galaxies at  $z \sim 2$ ", 2013, *The Astrophysical Journal*, 778, LL22
- [49] Lotz, J. M., Papovich, C., Faber, S. M., Ferguson, H. C., Grogin, N., Guo, Y., Kocevski, D., Koekemoer, A. M., Lee, K.-S., McIntosh, D., **Momcheva, I.**, Rudnick, G., Saintonge, A., Tran, K.-V., van der Wel, A., Willmer, C., "Caught in the Act: The Assembly of Massive Cluster Galaxies at  $z = 1.62$ ", 2013, *The Astrophysical Journal*, 773, 154
- [50] van Dokkum, P. G., Leja, J., Nelson, E. J., Patel, S., Skelton, R. E., **Momcheva, I.**, Brammer, G., Whitaker, K. E., Lundgren, B., Fumagalli, M., Conroy, C., Förster-Schreiber, N., Franx, M., Kriek, M., Labbé, I., Marchesini, D., Rix, H.-W., van der Wel, A., Wuyts, S., "The Assembly of Milky-Way-like Galaxies Since  $z \sim 2.5$ ", 2013, *The Astrophysical Journal*, 771, LL35
- [51] Schmidt, K. B., Rix, H.-W., da Cunha, E., Brammer, G. B., Cox, T. J., van Dokkum, P., Förster-Schreiber, N. M., Franx, M., Fumagalli, M., Jonsson, P., Lundgren, B., Maseda, M. V., **Momcheva, I.**, Nelson, E. J., Skelton, R. E., van der Wel, A., Whitaker, K. E., "The spatial extent and distribution of star formation in 3D-HST mergers at  $z \sim 1.5$ ", 2013, *Monthly Notices of the Royal Astronomical Society*, 432, 285

- [52] Whitaker, K. E., van Dokkum, P. G., Brammer, G., **Momcheva, I. G.**, Skelton, R., Franx, M., Kriek, M., Labbé, I., Fumagalli, M., Lundgren, B. F., Nelson, E. J., Patel, S. G., Rix, H.-W., "Quiescent Galaxies in the 3D-HST Survey: Spectroscopic Confirmation of a Large Number of Galaxies with Relatively Old Stellar Populations at  $z \sim 2$ ", 2013, *The Astrophysical Journal*, 770, LL39
- [53] van Dokkum, P., Brammer, G., **Momcheva, I.**, Skelton, R. E., Whitaker, K. E., for the 3D-HST team, "3D-HST Data Release v3.0: Extremely Deep Spectra in the UDF and WFC3 Mosaics in the 3D-HST/CANDELS Fields", 2013, ArXiv e-prints, arXiv:1305.2140
- [54] Brammer, G. B., van Dokkum, P. G., Illingworth, G. D., Bouwens, R. J., Labbé, I., Franx, M., **Momcheva, I.**, Oesch, P. A., "A Tentative Detection of an Emission Line at  $1.6 \mu\text{m}$  for the  $z \sim 12$  Candidate UDFj-39546284", 2013, *The Astrophysical Journal*, 765, LL2
- [55] **Momcheva, I. G.**, Lee, J. C., Ly, C., Salim, S., Dale, D. A., Ouchi, M., Finn, R., Ono, Y., "Nebular Attenuation in  $\text{H}\alpha$ -selected Star-forming Galaxies at  $z = 0.8$  from the New $\text{H}\alpha$  Survey", 2013, *The Astronomical Journal*, 145, 47
- [56] Nelson, E. J., van Dokkum, P. G., **Momcheva, I.**, Brammer, G., Lundgren, B., Skelton, R. E., Whitaker, K. E., Da Cunha, E., Förster-Schreiber, N., Franx, M., Fumagalli, M., Kriek, M., Labbe, I., Leja, J., Patel, S., Rix, H.-W., Schmidt, K. B., van der Wel, A., Wuyts, S., "The Radial Distribution of Star Formation in Galaxies at  $z \sim 1$  from the 3D-HST Survey", 2013, *The Astrophysical Journal*, 763, LL16
- [57] Lundgren, B. F., Brammer, G., van Dokkum, P., Bezanson, R., Franx, M., Fumagalli, M., **Momcheva, I.**, Nelson, E., Skelton, R. E., Wake, D., Whitaker, K., da Cunha, E., Erb, D. K., Fan, X., Kriek, M., Labbé, I., Marchesini, D., Patel, S., Rix, H. W., Schmidt, K., van der Wel, A., "Large-scale Star-formation-driven Outflows at  $1 < z < 2$  in the 3D-HST Survey", 2012, *The Astrophysical Journal*, 760, 49
- [58] Brammer, G. B., Sánchez-Janssen, R., Labbé, I., da Cunha, E., Erb, D. K., Franx, M., Fumagalli, M., Lundgren, B., Marchesini, D., **Momcheva, I.**, Nelson, E., Patel, S., Quadri, R., Rix, H.-W., Skelton, R. E., Schmidt, K. B., van der Wel, A., van Dokkum, P. G., Wake, D. A., Whitaker, K. E., "3D-HST Grism Spectroscopy of a Gravitationally Lensed, Low-metallicity Starburst Galaxy at  $z = 1.847$ ", 2012, *The Astrophysical Journal*, 758, LL17
- [59] Fumagalli, M., Patel, S. G., Franx, M., Brammer, G., van Dokkum, P., da Cunha, E., Kriek, M., Lundgren, B., **Momcheva, I.**, Rix, H.-W., Schmidt, K. B., Skelton, R. E., Whitaker, K. E., Labbe, I., Nelson, E., " $\text{H}\alpha$  Equivalent Widths from the 3D-HST Survey: Evolution with Redshift and Dependence on Stellar Mass", 2012, *The Astrophysical Journal*, 757, LL22
- [60] Rudnick, G. H., Tran, K.-V., Papovich, C., **Momcheva, I.**, Willmer, C., "A Tale of Dwarfs and Giants: Using a  $z = 1.62$  Cluster to Understand How the Red Sequence Grew over the Last 9.5 Billion Years", 2012, *The Astrophysical Journal*, 755, 14
- [61] Brammer, G. B., van Dokkum, P. G., Franx, M., Fumagalli, M., Patel, S., Rix, H.-W., Skelton, R. E., Kriek, M., Nelson, E., Schmidt, K. B., Bezanson, R., da Cunha, E., Erb, D. K., Fan, X., Förster-Schreiber, N., Illingworth, G. D., Labbé, I., Leja, J., Lundgren, B., Magee, D., Marchesini, D., McCarthy, P., **Momcheva, I.**, Muzzin, A., Quadri, R., Steidel, C. C., Tal, T., Wake, D., Whitaker, K. E., Williams, A., "3D-HST: A Wide-field Grism Spectroscopic Survey with the Hubble Space Telescope", 2012, *The Astrophysical Journal Supplement Series*, 200, 13
- [62] Papovich, C., Bassett, R., Lotz, J. M., van der Wel, A., Tran, K.-V., Finkelstein, S. L., Bell, E. F., Conselice, C. J., Dekel, A., Dunlop, J. S., Guo, Y., Faber, S. M., Farrah, D., Ferguson, H. C., Finkelstein, K. D., Häussler, B., Kocevski, D. D., Koekemoer, A. M., Koo, D. C., McGrath, E. J., McLure, R. J., McIntosh, D. H., **Momcheva, I.**, Newman, J. A., Rudnick, G., Weiner, B., Willmer, C. N. A., Wuyts, S., "CANDELS Observations of the Structural Properties of Cluster Galaxies at  $z = 1.62$ ", 2012, *The Astrophysical Journal*, 750, 93
- [63] Ly, C., Lee, J. C., Dale, D. A., **Momcheva, I.**, Salim, S., Staudaher, S., Moore, C. A., Finn, R., "The  $\text{H}\alpha$  Luminosity Function and Star Formation Rate Volume Density at  $z = 0.8$  from the NEWFIRM  $\text{H}\alpha$  Survey", 2011, *The Astrophysical Journal*, 726, 109

- [64] Wong, K. C., Keeton, C. R., Williams, K. A., **Momcheva, I. G.**, Zabludoff, A. I., "The Effect of Environment on Shear in Strong Gravitational Lenses", 2011, *The Astrophysical Journal*, 726, 84
- [65] Tran, K.-V. H., Papovich, C., Saintonge, A., Brodwin, M., Dunlop, J. S., Farrah, D., Finkelstein, K. D., Finkelstein, S. L., Lotz, J., McLure, R. J., **Momcheva, I.**, Willmer, C. N. A., "Reversal of Fortune: Confirmation of an Increasing Star Formation-Density Relation in a Cluster at  $z = 1.62$ ", 2010, *The Astrophysical Journal*, 719, L126
- [66] Papovich, C., **Momcheva, I.**, Willmer, C. N. A., Finkelstein, K. D., Finkelstein, S. L., Tran, K.-V., Brodwin, M., Dunlop, J. S., Farrah, D., Khan, S. A., Lotz, J., McCarthy, P., McLure, R. J., Rieke, M., Rudnick, G., Sivanandam, S., Pacaud, F., Pierre, M., "A Spitzer-selected Galaxy Cluster at  $z = 1.62$ ", 2010, *The Astrophysical Journal*, 716, 1503
- [67] Ouchi, M., Ono, Y., Egami, E., Saito, T., Oguri, M., McCarthy, P. J., Farrah, D., Kashikawa, N., **Momcheva, I.**, Shimasaku, K., Nakanishi, K., Furusawa, H., Akiyama, M., Dunlop, J. S., Mortier, A. M. J., Okamura, S., Hayashi, M., Cirasuolo, M., Dressler, A., Iye, M., Jarvis, M. J., Kodama, T., Martin, C. L., McLure, R. J., Ohta, K., Yamada, T., Yoshida, M., "Discovery of a Giant  $\text{Ly}\alpha$  Emitter Near the Reionization Epoch", 2009, *The Astrophysical Journal*, 696, 1164
- [68] Williams, K. A., **Momcheva, I.**, Keeton, C. R., Zabludoff, A. I., Lehár, J., "First Results from a Photometric Survey of Strong Gravitational Lens Environments", 2006, *The Astrophysical Journal*, 646, 85
- [69] **Momcheva, I.**, Williams, K., Keeton, C., Zabludoff, A., "A Spectroscopic Study of the Environments of Gravitational Lens Galaxies", 2006, *The Astrophysical Journal*, 641, 169

#### SELECTED CONFERENCE PROCEEDINGS

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- [1] **Momcheva, I. G.**, 3D-HST Survey Team, "Science Highlights from the 3D-HST Survey", 2014, *American Astronomical Society Meeting Abstracts #223*, 223, #227.05
- [2] **Momcheva, I. G.**, Van Dokkum, P. G., Brammer, G., Franx, M., Skelton, R., Lundgren, B., Whitaker, K. E., 3D-HST Team, "The 3D-HST Survey: An Introduction", 2013, *American Astronomical Society Meeting Abstracts #221*, 221, #215.02
- [3] **Momcheva, I. G.**, Papovich, C., Willmer, C., Pierre, M., Clerc, N., Tran, K., Lotz, J., Finkelstein, K., Finkelstein, S., Rudnick, G., McCarthy, P., "Clg J0218.3-0510: New Results On The Most Distant Spectroscopically Confirmed Cluster", 2011, *Bulletin of the American Astronomical Society*, 43, #149.19
- [4] **Momcheva, I. G.**, Lee, J., Ly, C., Salim, S., Dale, D., Garcia, C., Finn, R., Ouchi, M., "Newfirm  $\text{H}\alpha$  Galaxy survey: Deep Follow-up Spectroscopy of  $z=0.8$  Star Forming Galaxies", 2010, *Bulletin of the American Astronomical Society*, 42, #368.06
- [5] **Momcheva, I. G.**, Williams, K., Keeton, C., Zabludoff, A., "Results from a Spectroscopic Survey of the Environments of Strong Gravitational Lenses", 2008, *American Astronomical Society Meeting Abstracts #211*, 211, #99.05
- [6] **Momcheva, I.**, Williams, K., Zabludoff, A., Keeton, C., "Poor Groups Around Strong Gravitational Lenses", 2007, *IAU Symposium*, 235, 230
- [7] **Momcheva, I.**, Williams, K., Keeton, C., Zabludoff, A., "A Spectroscopic Study of the Environments of Gravitational Lens Galaxies", 2006, *EAS Publications Series*, 20, 289