

Dr. Kathryn Kreckel

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Education

PhD in Astronomy	Columbia University	2006-2011
MS, MPh in Astronomy	Columbia University	2006-2008
AB in Mathematics and Astronomy	UC Berkeley	2001-2005

Jobs

Emmy Noether Group Leader	Heidelberg University	2019-present
Postdoctoral Researcher	MPIA	2011-2019
6 month parental leave, 6 month part-time		2015
6 month parental leave, 6 month part-time		2017

Research Interests

ISM physics in nearby galaxies, Galaxy evolution, Star formation, Low density environments, Void galaxies

Talks/Colloquia in the Past 5 Years

“The Local Volume Mapper in SDSS-V: Connecting Stellar Feedback with the ISM in the Milky Way and Local Group”

European Week of Astronomy and Space Sciences, Lyon, France (Summer 2019)

“Mapping metallicity variations across nearby galaxy disks”

Linking the Milky Way and Nearby Galaxies, Helsinki, Finland (Summer 2019)

“The Local Volume Mapper in SDSS-V: Connecting Stellar Feedback with the ISM in the Milky Way and Local Group”

15th Potsdam Thinkshop, Potsdam, Germany (Fall 2018)

“Mapping the ionized ISM in nearby galaxies”

ARI Colloquium, Heidelberg University, Germany (Summer 2018)

“Ionized Tracers of the ISM”

Invited review talk, EWASS Symposium, Liverpool, UK (Spring 2018)

“The impact of galactic environment on star formation”

Physics of Star Formation: Milky Way and Beyond, Heidelberg, Germany (Fall 2016)

“The ISM in Nearby Galaxies: An Optical IFU Perspective”

AIP Seminar, Potsdam, Germany (Fall 2016)

Talks/Colloquia in the Past 5 Years (continued)

“The impact of galactic environment on star formation”

How Galaxies form Stars, Stockholm, Sweden (Summer 2016)

Discs in Galaxies, ESO, Garching, Germany (Summer 2016)

European Week of Astronomy and Space Science, Athens, Greece (Summer 2016)

“Insights on Galaxy Evolution using ISM studies of Nearby Galaxies “

OSU Colloquium , Columbus, Ohio, USA (Spring 2015)

NOAO FLASH talk, Tucson, Arizona, USA (Spring 2015)

UIUC Colloquium, Urbana-Champaign, Illinois, USA (Spring 2015)

Kapteyn Colloquium, Groningen, the Netherlands (Spring 2015)

“Insights on the ISM of nearby galaxies from 3D spectroscopy”

MPIA Science Day, Heidelberg, Germany (Winter 2014)

“The Void Galaxy Survey: Galaxy Evolution and Gas Accretion in Voids”

The Zeldovich Universe: Genesis and Growth of the Cosmic Web, Tallinn, Estonia (Summer 2014)

“A far-IR and optical 3D view of the starburst driven superwind in NGC 2146”

Gas and stars in galaxies: A multi-wavelength 3D perspective, Garching, Germany (Spring 2014)

Teaching

Research adviser to PhD student, Neven Tomicic, MPIA (2015-2019)

Research adviser to pre-Bachelor student, Bianca Avalani, MPIA (2012-2013)

Observational Astronomy, Teaching Assistant, Columbia University (Spring 2009)

Astronomy Lab Instructor, Columbia University (2006-2008)

Outreach

MPIA Open Day (Summer 2012)

Science writing for Scientific Blogging (Fall 2009)

Led merit badge workshop for a local Girl Scout troop (Fall 2008)

Lectured at Columbia University Public Lecture Series, feat. Time Out NY (Fall 2008)

Participated in Family Astro outreach event (Spring 2008)

Participated in Siemens Science Day outreach event (Fall 2007)

Service

SOC, Green Bank Workshop “Warm Ionized Medium (WIM) in Galaxies”(2019)

Organizer, EWASS symposium “Resolving the ionized ISM” (2019)

Survey Scientist, SDSS V Local Volume Mapper (LVM) (2017-present)

SOC, EWASS session “Comparing simulations and observations of the varying scales of star formation” (2017)

Co-organizer of MPIA summer conference, “A 3D View on Galaxy Evolution” (2015)

Equal Opportunity Officer at MPIA (15% time commitment, 2014-2016)

MPIA Galaxy Coffee co-organizer (2014-2015)

MPIA ISM+Star Formation in Nearby Galaxies meeting organizer (2012-2015)

Referee for peer-review journals: MNRAS, ApJ

Proposal reviewer: CFHT, HST

Grants

PI of DFG Emmy Noether Research Group “Resolving the Baryon Cycle in Nearby Galaxies”, 6 year funding totaling 1.7 million Euro (2019-present)

PI of DFG project “The Reach of Stars”, full time salary for 3yrs for myself and a PhD student totaling 370,000 Euro (2015-2018)

DFG visitor and conference funds totaling 14,000 Euro (2013-2015)

Honors/Awards/Memberships

First place poster prize, Multiwavelength-surveys conference (Spring 2014)

North American ALMA Science Center (NAASC) Postdoctoral fellowship (declined, Spring 2011)

Finalist, Scientific Blogging University Writing Competition (Fall 2009)

Poster prize, Galaxies in Isolation conference (Summer 2009)

Projects/Collaborations

Beyond the Peak (PI: Smith)

COSMOS HI Large Extragalactic Survey (CHILES, PI: van Gorkom)

Far-Infrared Selected by Herschel and PPAK Accessible KINGFISH (FISHPAK, PI: Kreckel)

Key Insights on Nearby Galaxies: a Far-Infrared Survey with Herschel (KINGFISH, PI: Kennicutt)

Mapping Nearby Galaxies at APO (MaNGA, PI: Bundy)

Physics at High Angular resolution in Nearby Galaxies (PHANGS)

SDSS V (PI: Kollmeier)

The VIRUS-P Exploration of Nearby Galaxies (VENGA, PI: Blanc)

The Void Galaxy Survey (VGS)

Observations as PI

LBT (MODS)	Tracing Feedback from Stellar Winds, 4hours (Fall 2018)
APO (MaNGA)	The MaNGA view of Star Formation at 30pc scales: IC 342, 90 hours contingent on the success of a 3 hour pilot study (Fall 2016-2021)
VLT (MUSE)	The evolution of molecular gas and star formation between NGC 628’s spiral arms, 2 hours (Fall 2014)
Calar Alto 3.5m (PMAS IFU)	Mapping the metallicity variations within M101 and their effect on the ISM, 14 nights (Spring 2014, Spring 2015)
Calar Alto 3.5m (PMAS IFU)	Far-Infrared Selected by Herschel and PPAK Accessible KINGFISH (FISHPAK), 12 nights (Winter 2013, Winter 2014)
Calar Alto 3.5m (PMAS IFU)	Evolution of the Loneliest Galaxies in Voids , 3 nights (Spring 2013)
WSRT	The Gas Content of Void Galaxies III, 26 hours (Spring 2010)
MDM 2.4m	H-alpha Imaging of Void Galaxies, 7 nights (Spring 2010)
MDM 2.4m	Void Galaxies as a Test for Modified Gravity, 2 nights (Spring 2010)
GALEX	Star Formation History of Void Galaxies, 61.5 ksec (Spring 2010)
VLA	Our Friendly neighborhood void galaxy, 21 hours (Spring 2009, Summer 2010)
MDM 2.4m	Deep optical imaging of void galaxies, 5 nights (Spring 2009)
MDM 2.4m	Optical Redshifts of Void Galaxy Companions, 2 nights (Spring 2009)
VLA	Polar Ring Galaxy in Void, 18 hours (Fall 2008)

Publication Citation Analysis (NASA ADS, October 2019)

36 refereed papers, 1137 citations, $h = 20$ (i.e., 20 papers with ≥ 20 citations)

13 1st author refereed papers, 366 citations, $h = 11$

Refereed Publications:

“Mapping metallicity variations across nearby galaxy disks”

Kreckel, K.; Ho, I. -T.; Blanc, G. A.; Groves, B.; Santoro, F.; Schinnerer, E.; Bigiel, F.; Chevance, M.; Congiu, E.; Emsellem, E.; Faesi, C.; Glover, S. C. O.; Grasha, K.; Kruijssen, J. M. D.; Lang, P.; Leroy, A. K.; Meidt, S. E.; McElroy, R.; Pety, J.; Rosolowsky, E. Saito, T.; Sandstrom, K.; Sanchez-Blazquez, P.; Schrubba, A. 2019 ApJ accepted, arXiv:1910.07190

“CHILES: H I morphology and galaxy environment at $z = 0.12$ and $z = 0.17$ ”

Hess, K.; Luber, N.; Fernández, X.; Gim, H.; van Gorkom, J. H.; Momjian, E.; Gross, J.; Meyer, M.; Popping, A.; Davies, L.; Hunt, L.; **Kreckel**, K.; Lucero, D.; Pisano, D. J.; Sanchez-Barrantes, M.; Yun, M.; Dodson, R.; Vinsen, K.; Wicenc, A.; Wu, C.; Bershad, M.; Chung, A.; Davis, J.; Donovan Meyer, J.; Henning, P.; Maddox, N.; Smith, E.; van der Hulst, J. M.; Verheijen, M.; Wilcots, E. 2019, MNRAS, 484, 2234

“Calibrating Star Formation Rate Prescriptions at Different Scales (10 pc-1 kpc) in M31”

Tomičić, N.; Ho, I.-T.; **Kreckel**, K.; Schinnerer, E.; Leroy, A.; Groves, B.; Sandstrom, K.; Blanc, G.; Jarrett, T.; Thilker, D.; Kapala, M.; McElroy, R. 2019, ApJ, 873, 3

“The Fifteenth Data Release of the Sloan Digital Sky Surveys: First Release of MaNGA-derived Quantities, Data Visualization Tools, and Stellar Library”

Aguado et al. incl. **Kreckel** (234 co-authors), 2019, ApJS, 240, 23

“Two Orders of Magnitude Variation in the Star Formation Efficiency across the Premerger Galaxy NGC 2276”

Tomičić, N.; Hughes, A.; **Kreckel**, K.; Renaud, F.; Pety, J.; Schinnerer, E.; Saito, T.; Querejeta, M.; Faesi, C.; Garcia-Burillo, S. 2018, ApJL, 869, L38

“A 50 pc Scale View of Star Formation Efficiency across NGC 628”

Kreckel, K.; Faesi, C.; Kruijssen, J. M. D.; Schrubba, A.; Groves, B.; Leroy, A. K.; Bigiel, F.; Blanc, G. A.; Chevance, M.; Herrera, C.; Hughes, A.; McElroy, R.; Pety, J.; Querejeta, M.; Rosolowsky, E.; Schinnerer, E.; Sun, J.; Usero, A.; Utomo, D. 2018, ApJL, 863, L21

“Star Formation Efficiency per Free-fall Time in nearby Galaxies”

Utomo, D.; Sun, J.; Leroy, A. K.; Kruijssen, J. M. D.; Schinnerer, E.; Schrubba, A.; Bigiel, F.; Blanc, G. A.; Chevance, M.; Emsellem, E.; Herrera, C.; Hygate, A. P. S.; **Kreckel**, K.; Ostriker, E. C.; Pety, J.; Querejeta, M.; Rosolowsky, E.; Sandstrom, K. M.; Usero, A. 2018, ApJL, 861, L18

“The Origins of [C II] Emission in Local Star-forming Galaxies”

Croxall, K. V.; Smith, J. D.; Pellegrini, E.; Groves, B.; Bolatto, A.; Herrera-Camus, R.; Sandstrom, K. M.; Draine, B.; Wolfire, M. G.; Armus, L.; Boquien, M.; Brandl, B.; Dale, D.; Galametz, M.; Hunt, L.; Kennicutt, R., Jr.; **Kreckel**, K.; Rigopoulou, D.; van der Werf, P.; Wilson, C. 2017, ApJ, 845, 96

"Attenuation modified by DIG and dust as seen in M31"

Tomicic, N.; **Kreckel, K.**; Groves, B.; Schinnerer, E.; Sandstrom, K.; Kapala, M.; Blanc, G. A.; Leroy, A. 2017, ApJ, 844, 155

"A revised planetary nebula luminosity function distance to NGC 628 using MUSE"

Kreckel, K.; Groves, B.; Bigiel, F.; Blanc, G.; Kruijssen, J. M. D.; Hughes, A.; Schruba, A.; Schinnerer, E. 2017 ApJ, 834, 174

"The Void Galaxy Survey: photometry, structure and identity of void galaxies"

Beygu, B.; Peletier, R. F.; van der Hulst, J. M.; Jarrett, T. H.; **Kreckel, K.**; van de Weygaert, R.; van Gorkom, J. H.; Aragon-Calvo, M. A. 2017, MNRAS, 464, 666

"AGN feedback in the nucleus of M 51"

Querejeta, M.; Schinnerer, E.; García-Burillo, S.; Bigiel, F.; Blanc, G. A.; Colombo, D.; Hughes, A.; **Kreckel, K.**; Leroy, A. K.; Meidt, S. E.; Meier, D. S.; Pety, J.; Sliwa, K. 2016, A&A, 593, A118

"Characterizing Spiral Arm and Interarm Star Formation"

Kreckel, K.; Blanc, G. A.; Schinnerer, E.; Groves, B.; Adamo, A.; Hughes, A.; Meidt, S. 2016, ApJ, 827, 103

"Comparing [C II], HI, and CO Dynamics of Nearby Galaxies"

de Blok, W. J. G.; Walter, F.; Smith, J.-D. T.; Herrera-Camus, R.; Bolatto, A. D.; Requena-Torres, M. A.; Crocker, A. F.; Croxall, K. V.; Kennicutt, R. C.; Koda, J.; Armus, L.; Boquien, M.; Dale, D.; **Kreckel, K.**; Meidt, S. 2016, AJ, 152, 51

"The Void Galaxy Survey: Star Formation Properties"

Beygu, B.; **Kreckel, K.**; van der Hulst, J. M.; van de Weygaert, R.; Peletier, R.; van Gorkom, J. H.; Jarrett, T.; Aragón-Calvo, M. A. 2016, MNRAS, 458, 394

"Highest Redshift Image of Neutral Hydrogen in Emission: A CHILES Detection of a Starbursting Galaxy at $z = 0.376$ "

Fernández, X.; Gim, H. B.; van Gorkom, J. H.; Yun, M. S.; Momjian, E.; Popping, A.; Chomiuk, L.; Hess, K. M.; Hunt, L.; **Kreckel, K.**; Lucero, D.; Maddox, N.; Oosterloo, T.; Pisano, D. J.; Verheijen, M. A. W.; Hales, C. A.; Chung, A.; Dodson, R.; Golap, K.; Gross, J.; Henning, P.; Hibbard, J.; Jaffé, Y. L.; Donovan Meyer, J.; Meyer, M.; Sanchez-Barrantes, M.; Schiminovich, D.; Wicenec, A.; Wilcots, E.; Bershady, M.; Scoville, N.; Strader, J.; Tremou, E.; Salinas, R.; Chávez, R. 2016, ApJL, 824, L1

"Nearby Clumpy, Gas Rich, Star-forming Galaxies: Local Analogs of High-redshift Clumpy Galaxies"

Garland, C. A.; Pisano, D. J.; Mac Low, M.-M.; **Kreckel, K.**; Rabidoux, K.; Guzmán, R. 2015, ApJ, 807, 134

"The metallicity of void dwarf galaxies"

Kreckel, K.; Croxall, K.; Groves, B.; van de Weygaert, R.; Pogge, R. W. 2015, ApJL, 798, L15

"The Survey of Lines in M31 (SLIM): Investigating the Origins of [CII] Emission"

Kapala, M. J.; Sandstrom, K.; Groves, B.; Croxall, K.; **Kreckel, K.**; Dalcanton, J.; Leroy, A.; Schinnerer, E.; Walter, F.; Fouesneau, M. 2015, ApJ, 798, 24

Refereed Publications (continued):

“A Far-IR View of the Starburst Driven Superwind in NGC 2146”

Kreckel, K.; Armus, L.; Groves, B.; Lyubenova, M.; Diaz-Santos, T.; Schinnerer, E.; Appleton, P.; Croxall, K. V.; Dale, D. A.; Hunt, L. K.; Beirão, P.; Bolatto, A. D.; Calzetti, D.; Donovan Meyer, J.; Draine, B. T.; Hinz, J.; Kennicutt, R. C.; Meidt, S.; Murphy, E. J.; Smith, J. D. T.; Tabatabaei, F. S.; Walter, F. 2014, ApJ, 790, 26

“NGC 1266 Shock Excited Molecules in NGC 1266: ULIRG Conditions at the Center of a Bulge-Dominated Galaxy”

Pellegrini, E. W.; Smith, J. D.; Wolfire, M. G.; Draine, B. T.; Crocker, A. F.; Croxall, K. V.; Van Der Werf, P.; Dale, D. A.; Rigopoulou, D.; Wilson, C. D.; Schinnerer, E.; Groves, B. A.; **Kreckel, K.**; Sandstrom, K. M.; Armus, L.; Calzetti, D.; Murphy, E. J.; Walter, F.; Koda, J.; Bayet, E.; Beirao, P.; Bolatto, A. D.; Bradford, M.; Brinks, E.; Hunt, L.; Kennicutt, R.; Knapen, J. H.; Leroy, A. K.; Rosolowsky, E.; Vigroux, L.; Hopwood, R. H. B. 2013, ApJL, 779, LL19

“Toward a Removal of Temperature Dependencies from Abundance Determinations: NGC 628”

Croxall, K.; Smith, J. D.; Brandl, B.; Groves, B.; Kennicutt, R.; **Kreckel, K.**; Johnson, B.; Pellegrini, E.; Sandstrom, K.; Walter, F.; Armus, L.; Beirão, P.; Calzetti, D.; Dale, D.; Galametz, M.; Hinz, J.; Hunt, L.; Koda, J.; Schinnerer, E. 2013, ApJ, 777,96

“A Pilot for a VLA HI Deep Field”

Fernández, X.; van Gorkom, J. H.; Hess, K. M.; Pisano, D. J.; **Kreckel, K.**; Momjian, E.; Popping, A.; Oosterloo, T.; Chomiuk, L.; Verheijen, M. A. W.; Henning, P. A.; Schiminovich, D.; Bershad, M. A.; Wilcots, E. M.; Scoville, N. 2013, ApJL, 770, L29

“Mapping dust through emission and absorption in nearby galaxies”

Kreckel, K.; Groves, B.; Schinnerer, E.; Johnson, B. D.; Aniano, G.; Calzetti, D.; Croxall, K. V.; Draine, B. T.; Gordon, K. D.; Crocker, A. F.; Dale, D. A.; Hunt, L. K.; Kennicutt, R. C.; Meidt, S. E.; Smith, J. D. T.; Tabatabaei, F. S. 2013, ApJ, 771, 62

“The CO-to-H₂ Conversion Factor and Dust-to-gas Ratio on Kiloparsec Scales in Nearby Galaxies”

Sandstrom, K. M.; Leroy, A. K.; Walter, F.; Bolatto, A. D.; Croxall, K. V.; Draine, B. T.; Wilson, C. D.; Wolfire, M.; Calzetti, D.; Kennicutt, R. C.; Aniano, G.; Donovan Meyer, J.; Usero, A.; Bigiel, F.; Brinks, E.; de Blok, W. J. G.; Crocker, A.; Dale, D.; Engelbracht, C. W.; Galametz, M.; Groves, B.; Hunt, L. K.; Koda, J.; **Kreckel, K.**; Linz, H.; Meidt, S.; Pellegrini, E.; Rix, H.-W.; Roussel, H.; Schinnerer, E.; Schrubba, A.; Schuster, K.-F.; Skibba, R.; van der Laan, T.; Appleton, P.; Armus, L.; Brandl, B.; Gordon, K.; Hinz, J.; Krause, O.; Montiel, E.; Sauvage, M.; Schmiedeke, A.; Smith, J. D. T.; Vigroux, L. 2013, ApJ, 777, 5

“An Interacting Galaxy System along a Filament in a Void”

Beygu, B.; **Kreckel, K.**; van de Weygaert, R.; van der Hulst, J. M.; van Gorkom, J. H. 2013, AJ, 145, 120

Refereed Publications (continued):

“A Detailed Study of the Radio--FIR Correlation in NGC6946 with Herschel-PACS/SPIRE from KINGFISH”

Tabatabaei, F. S.; Schinnerer, E.; Murphy, E. J.; Beck, R.; Groves, B.; Meidt, S.; Krause, M.; Rix, H-W.; Sandstrom, K.; Crocker, A. F.; Galametz, M.; Helou, G.; Wilson, C. D.; Kennicutt, R.; Calzetti, D.; Draine, B.; Aniano, G.; Dale, D.; Dumas, G.; Engelbracht, C. W.; Gordon, K. D.; Hinz, J.; **Kreckel, K.**; Montiel, E.; Roussel, H. 2013, A&A, 552, A19

“The Void Galaxy Survey: Optical Properties and H I Morphology and Kinematics”

Kreckel, K.; Platen, E.; Aragón-Calvo, M. A.; van Gorkom, J. H.; van de Weygaert, R.; van der Hulst, J. M.; Beygu, B. 2012, AJ, 144, 16

“Simulated Void Galaxies in the Standard Cold Dark Matter Model”

Kreckel, K.; Jung, M. R.; Cen, R. 2011, ApJ, 735, 132

“KK 246, a Dwarf Galaxy with Extended H I Disk in the Local Void”

Kreckel, K.; Peebles, P. J. E.; van Gorkom, J. H.; van de Weygaert, R.; van der Hulst, J. M. 2011, AJ, 141, 204

“Only the Lonely: HI Imaging of Void Galaxies”

Kreckel, K.; Platen, E.; Aragon-Calvo, M. A.; van Gorkom, J. H.; van de Weygaert, R.; van der Hulst, J. M.; Kovac, K.; Yip, C.-W.; Peebles, P. J. E. 2011, AJ, 141, 4

“Polar Disk Galaxy Found in Wall Between Voids”

Stanonik, K.; Platen, E.; Aragon-Calvo, M. A.; van Gorkom, J. H.; van de Weygaert, R.; van der Hulst, J. M.; Peebles, P. J. E. 2009, ApJ, 696, L6

“A Near-Infrared Survey of the Inner Galactic Plane for Wolf-Rayet Stars. I. Methods and First Results: 41 New WR Stars”

Shara, M. M.; Moffat, A. F. J.; Gerke, J.; Zurek, D.; **Stanonik, K.**; Doyon, R.; Artigau, E.; Drissen, L.; Villar-Sbaffi, A. 2009, AJ, 138, 402

Non-Refereed Publications:

“Mapping Gas Phase Abundances and Enrichment Patterns Across Galaxy Disks”

Kreckel, K.; Berg, D.; Blanc, G.; Ho, I-T.; James, B.; Katsianis, A.; Kollmeier, J.; Krumholz, M.; Law, D.; Rousseau-Nepton, L.; Sandstrom, K.; Skillman, E.; Ting, Y-S.; Yan, R.; Zaritsky, D.
2019, Astro2020 white paper

“SDSS-V: Pioneering Panoptic Spectroscopy”

Kollmeier, Juna A.; Zasowski, Gail; Rix, Hans-Walter; Johns, Matt; Anderson, Scott F.; Drory, Niv; Johnson, Jennifer A.; Pogge, Richard W.; Bird, Jonathan C.; Blanc, Guillermo A.; Brownstein, Joel R.; Crane, Jeffrey D.; De Lee, Nathan M.; Klaene, Mark A.; **Kreckel, Kathryn**; MacDonald, Nick; Merloni, Andrea; Ness, Melissa K.; O'Brien, Thomas; Sanchez-Gallego, Jose R.; Sayres, Conor C.; Shen, Yue; Thakar, Ani R.; Tkachenko, Andrew; Aerts, Conny; Blanton, Michael R.; Eisenstein, Daniel J.; Holtzman, Jon A.; Maoz, Dan; Nandra, Kirpal; Rockosi, Constance; Weinberg, David H.; Bovy, Jo; Casey, Andrew R.; Chaname, Julio; Clerc, Nicolas; Conroy, Charlie; Eracleous, Michael; Gänsicke, Boris T.; Hekker, Saskia; Horne, Keith; Kauffmann, Jens; McQuinn, Kristen B. W.; Pellegrini, Eric W.; Schinnerer, Eva; Schlafly, Edward F.; Schwobe, Axel D.; Seibert, Mark; Teske, Johanna K.; van Saders, Jennifer L. arXiv:1711.03234

“The Void Galaxy Survey: Galaxy Evolution and Gas Accretion in Voids”

Kreckel, K.; van Gorkom, J. H.; Beygu, B.; van de Weygaert, R.; van der Hulst, J. M.; Aragon-Calvo, M. A.; Peletier, R. F., Proceedings of IAU Symposium 308 "The Zeldovich Universe: Genesis and Growth of the Cosmic Web", 2014

“A Far-IR and Optical 3D View of the Starburst Driven Superwind in NGC 2146”

Kreckel, K.; Armus, L.; Groves, B.; Lyubenova, M.; Diaz-Santos, T.; Schinnerer, E., Proceedings of IAU Symposium 309 “Galaxies in 3D across the Universe”, 2014

“The Void Galaxy Survey”

van de Weygaert, R.; **Kreckel, K.**; Platen, E.; Beygu, B.; van Gorkom, J.H.; van der Hulst, J.M.; Aragon-Calvo, M.A.; Peebles, P.J.E.; Jarrett, T.; Rhee, G.; Kovac, K.; Yip, C.-W. in "Environment and the Formation of Galaxies: 30 years later", JENAM 2010

"Only the Lonely: HI Imaging of Void Galaxies"

Stanonik, K.; Platen, E.; Aragon-Calvo, M. A.; van Gorkom, J. H.; van de Weygaert, R.; van der Hulst, J. M.; Kovac, K.; Yip, C. -W.; Peebles, P. J. E. 2010, Astronomical Society of the Pacific Conference Series, 421, 107

"The Cosmically Depressed: Life, Sociology and Identity of Voids"

van de Weygaert, R.; Platen, E.; Tigrak, E.; Hidding, J.; van der Hulst, J. M.; Aragon-Calvo, M. A.; **Stanonik, K.**; van Gorkom, J. H. 2010, Astronomical Society of the Pacific Conference Series, 421, 99