

# Eric W. Koch

## Publications

Updated Oct 28, 2019. [ADS](#) citation counts are shown in square brackets and were last updated around Oct 28, 2019. As of then, I was an author on 10 refereed publications (6 as first author), my *h*-index was 6 and my refereed publications had 119 citations.

## Refereed

10. **EW Koch**, EW Rosolowsky, RD Boyden, B Burkhart, A Ginsburg, JL Loeppky, SSR Offner. “*TurbuStat: Turbulence Statistics in Python.*” 2019, [AJ 158 1](#) [1 citation].
9. **EW Koch**, EW Rosolowsky, A Schrubba, A Leroy, AA Kepley, J Braine, J Dalcanton, MC Johnson. “*Relationship between the Line Width of the Atomic and Molecular ISM in M33.*” 2019, [MNRAS 485 2324](#) [1 citation].
8. **EW Koch**, EW Rosolowsky, FJ Lockman, AA Kepley, A Leroy, A Schrubba, J Braine, J Dalcanton, MC Johnson, S Stanimirović. “*Kinematics of the atomic ISM in M33 on 80 pc scales.*” 2018, [MNRAS 479 2505-2533](#) [6 citations].
7. RD Boyden, SSR Offner, **EW Koch**, EW Rosolowsky. “*Assessing the Impact of Astrochemistry on Molecular Cloud Turbulence Statistics.*” 2018, [ApJ 860 157](#) [4 citations].
6. **EW Koch**, CG Ward, S Offner, J Loeppky, E Rosolowsky. “*Identifying Tools for Comparing Simulations of Star Formation.*” 2017, [MNRAS 471 1506-1530](#) [9 citations].
5. Y Lin, HB Liu, JE Dale, D Li, G Busquet, ZY Zhang, A Ginsburg, R Galvan-Madrid, A Kovacs, **E Koch**, L Qian, K Wang, S Longmore, HR Chen, D Walker. “*Cloud Structure of Three Galactic Infrared Dark Star-forming Regions from Combining Ground- and Space-based Bolometric Observations.*” 2017, [ApJ 840 22](#) [13 citations].
4. RD Boyden, **EW Koch**, EW Rosolowsky, SSR Offner. “*An Exploration of the Statistical Signatures of Stellar Feedback.*” 2016, [ApJ 833 233](#) [9 citations].
3. Y Lin, HB Liu, D Li, Z-Y Zhang, A Ginsburg, JE Pineda, L Qian, R Galván-Madrid, AF McLeod, E Rosolowsky, JE Dale, K Immer, **E Koch**, S Longmore, D Walker, L Testi. “*Cloud Structure of Galactic OB Cluster-forming Regions from Combining Ground and Space-based Bolometric Observations.*” 2016, [ApJ 828 32](#) [21 citations].
2. **EW Koch**, EW Rosolowsky. “*Filament Identification through Mathematical Morphology.*” 2015, [MNRAS 452 3435-3450](#) [51 citations].
1. **EW Koch**, A Bahramian, CO Heinke, K Mori, N Rea, N Degenaar, D Haggard, R Wijnands, G Ponti, JM Miller, F Yusef-Zadeh, F Dufour, WD Cotton, FK Baganoff, MT Reynolds. “*The 2013 outburst of a transient very faint X-ray binary, 23 arcsec from Sgr A\*.*” 2014, [MNRAS 442 372-381](#) [4 citations].

## Submitted

2. **EW Koch**, I Chiang, D Utomo, J Chastenet, AK Leroy, EW Rosolowsky, KM Sandstrom. “*Spatial Power Spectra of Dust across the Local Group: No Constraint on Disc Scale Height.*” 2019, [MNRAS submitted](#).
1. CO Heinke, MG Ivanov, **EW Koch**, R Andrews, L Chomiuk, HN Cohn, S Crothers, T Boer, N Ivanova, AKH Kong, N Leigh, PM Lugger, L Nelson, CJ Parr, EW Rosolowsky, AJ Ruiter, CL Sarazin, AW Shaw, GR Sivakoff, M Berg. “*The X-ray Emissivity of Low-Density Stellar Populations.*” 2019, [MNRAS submitted](#).

## Non-Refereed

2. **E Koch**, E Rosolowsky, AK Leroy. “*Radio-line Broadening from a Spectral Response Function.*” 2018, [RNAAS 2 220](#) [3 citations].
1. **E Koch**, E Rosolowsky, MC Johnson, AA Kepley, A Leroy. “*Detection of an OH 1665 MHz Maser in M33.*” 2018, [RNAAS 2 24](#) [1 citation].