Kamber R Schwarz

List of Publications by Year
in descending order

43 papers	2,055 citations	201674 27 h-index	276875 41 g-index
47 all docs	47 docs citations	47 times ranked	954 citing authors

#	Article	IF	Citations
1	THE RADIAL DISTRIBUTION OF H₂ AND CO IN TW HYA AS REVEALED BY RESOLVED ALMA OBSERVATIONS OF CO ISOTOPOLOGUES. Astrophysical Journal, 2016, 823, 91.	4.5	163
2	HYDROCARBON EMISSION RINGS IN PROTOPLANETARY DISKS INDUCED BY DUST EVOLUTION. Astrophysical Journal, 2016, 831, 101.	4.5	149
3	ON THE COMMONALITY OF 10â€“30 AU SIZED AXISYMMETRIC DUST STRUCTURES IN PROTOPLANETARY DISKS. Astrophysical Journal Letters, 2016, 818, L16.	8.3	117
4	Molecules with ALMA at Planet-forming Scales (MAPS). I. Program Overview and Highlights. Astrophysical Journal, Supplement Series, 2021, 257, 1.	7.7	117
5	Mass inventory of the giant-planet formation zone in a solar nebula analogue. Nature Astronomy, 2017, 1, .	10.1	100
6	Transport of CO in Protoplanetary Disks: Consequences of Pebble Formation, Settling, and Radial Drift. Astrophysical Journal, 2018, 864, 78.	4.5	94
7	CO Depletion in Protoplanetary Disks: A Unified Picture Combining Physical Sequestration and Chemical Processing. Astrophysical Journal, 2020, 899, 134.	4.5	87
8	Molecules with ALMA at Planet-forming Scales (MAPS). V. CO Gas Distributions. Astrophysical Journal, Supplement Series, 2021, 257, 5.	7.7	87
9	Unlocking CO Depletion in Protoplanetary Disks. I. The Warm Molecular Layer. Astrophysical Journal, 2018, 856, 85.	4.5	82
10	First Detection of the Simplest Organic Acid in a Protoplanetary Disk*. Astrophysical Journal Letters, 2018, 862, L2.	8.3	73
11	Systematic Variations of CO Gas Abundance with Radius in Gas-rich Protoplanetary Disks. Astrophysical Journal, 2019, 883, 98.	4.5	70
12	Molecules with ALMA at Planet-forming Scales (MAPS). IV. Emission Surfaces and Vertical Distribution of Molecules. Astrophysical Journal, Supplement Series, 2021, 257, 4.	7.7	58
13	Molecules with ALMA at Planet-forming Scales (MAPS). II. CLEAN Strategies for Synthesizing Images of Molecular Line Emission in Protoplanetary Disks. Astrophysical Journal, Supplement Series, 2021, 257, 2.	7.7	58
14	Molecules with ALMA at Planet-forming Scales (MAPS). III. Characteristics of Radial Chemical Substructures. Astrophysical Journal, Supplement Series, 2021, 257, 3.	7.7	57
15	Near-UV and optical observations of the transiting exoplanet TrES-3b. Monthly Notices of the Royal Astronomical Society, 2013, 428, 678-690.	4.4	55
16	Molecules with ALMA at Planet-forming Scales (MAPS). XVIII. Kinematic Substructures in the Disks of HD 163296 and MWC 480. Astrophysical Journal, Supplement Series, 2021, 257, 18.	7.7	51
17	An ALMA Survey of H₂CO in Protoplanetary Disks. Astrophysical Journal, 2020, 890, 142.	4.5	47
18	Rapid Evolution of Volatile CO from the Protostellar Disk Stage to the Protoplanetary Disk Stage. Astrophysical Journal Letters, 2020, 891, L17.	8.3	43

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19	Multiple Rings in the Transitional Disk of GM Aurigae Revealed by VLA and ALMA. Astrophysical Journal, 2018, 865, 37.	4.5	40
20	Molecules with ALMA at Planet-forming Scales (MAPS). VII. Substellar O/H and C/H and Superstellar C/O in Planet-feeding Gas. Astrophysical Journal, Supplement Series, 2021, 257, 7.	7.7	40
21	Molecules with ALMA at Planet-forming Scales (MAPS). VI. Distribution of the Small Organics HCN, C₂H, and H₂CO. Astrophysical Journal, Supplement Series, 2021, 257, 6.	7.7	37
22	An Evolutionary Study of Volatile Chemistry in Protoplanetary Disks. Astrophysical Journal, 2020, 898, 97.	4.5	34
23	Molecules with ALMA at Planet-forming Scales (MAPS). XIX. Spiral Arms, a Tail, and Diffuse Structures Traced by CO around the GM Aur Disk. Astrophysical Journal, Supplement Series, 2021, 257, 19.	7.7	33
24	THE EFFECTS OF INITIAL ABUNDANCES ON NITROGEN IN PROTOPLANETARY DISKS. Astrophysical Journal, 2014, 797, 113.	4.5	30
25	Molecules with ALMA at Planet-forming Scales (MAPS). IX. Distribution and Properties of the Large Organic Molecules HC₃N, CH₃CN, and c-C₃H₂. Astrophysical Journal, Supplement Series, 2021, 257, 9.	7.7	30
26	Molecules with ALMA at Planet-forming Scales (MAPS). XII. Inferring the C/O and S/H Ratios in Protoplanetary Disks with Sulfur Molecules. Astrophysical Journal, Supplement Series, 2021, 257, 12.	7.7	30
27	Unlocking CO Depletion in Protoplanetary Disks. II. Primordial C/H Predictions inside the CO Snowline. Astrophysical Journal, 2019, 877, 131.	4.5	27
28	Molecules with ALMA at Planet-forming Scales. XX. The Massive Disk around GM Aurigae. Astrophysical Journal, Supplement Series, 2021, 257, 20.	7.7	26
29	Molecules with ALMA at Planet-forming Scales (MAPS). XI. CN and HCN as Tracers of Photochemistry in Disks. Astrophysical Journal, Supplement Series, 2021, 257, 11.	7.7	25
30	Molecules with ALMA at Planet-forming Scales (MAPS). XIII. HCO⁺ and Disk Ionization Structure. Astrophysical Journal, Supplement Series, 2021, 257, 13.	7.7	24
31	Molecules with ALMA at Planet-forming Scales (MAPS). VIII. CO Gap in AS 209â€"Gas Depletion or Chemical Processing?. Astrophysical Journal, Supplement Series, 2021, 257, 8.	7.7	22
32	Molecules with ALMA at Planet-forming Scales (MAPS). XV. Tracing Protoplanetary Disk Structure within 20 au. Astrophysical Journal, Supplement Series, 2021, 257, 15.	7.7	21
33	Probing the Gas Content of Late-stage Protoplanetary Disks with N₂H⁺. Astrophysical Journal, 2019, 881, 127.	4.5	20
34	Molecules with ALMA at Planet-forming Scales (MAPS). XVI. Characterizing the Impact of the Molecular Wind on the Evolution of the HD 163296 System. Astrophysical Journal, Supplement Series, 2021, 257, 16.	7.7	20
35	Observing Carbon and Oxygen Carriers in Protoplanetary Disks at Mid-infrared Wavelengths. Astrophysical Journal, 2021, 909, 55.	4.5	19
36	Molecules with ALMA at Planet-forming Scales (MAPS). XVII. Determining the 2D Thermal Structure of the HD 163296 Disk. Astrophysical Journal, Supplement Series, 2021, 257, 17.	7.7	19

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37	Molecules with ALMA at Planet-forming Scales (MAPS). X. Studying Deuteration at High Angular Resolution toward Protoplanetary Disks. Astrophysical Journal, Supplement Series, 2021, 257, 10.	7.7	15
38	A SYSTEMATIC SEARCH FOR MOLECULAR OUTFLOWS TOWARD CANDIDATE LOW-LUMINOSITY PROTOSTARS AND VERY LOW LUMINOSITY OBJECTS. Astronomical Journal, 2012, 144, 115.	4.7	12
39	New Constraints on Protoplanetary Disk Gas Masses in Lupus. Astrophysical Journal, 2022, 927, 229.	4.5	12
40	Hot Corino Chemistry in the Class I Binary Source Ser-emb 11. Astrophysical Journal, 2021, 923, 155.	4.5	8
41	Line Ratios Reveal N₂H⁺ Emission Originates above the Midplane in TW Hydrae. Astrophysical Journal Letters, 2019, 876, L13.	8.3	3
42	Uniqueness and evolutionary status of MWC 349A. Proceedings of the International Astronomical Union, 2010, 6, 632-633.	0.0	0
43	Unveiling the mid-plane temperature and mass distribution in the giant-planet formation zone. Proceedings of the International Astronomical Union, 2017, 13, 103-108.	0.0	0