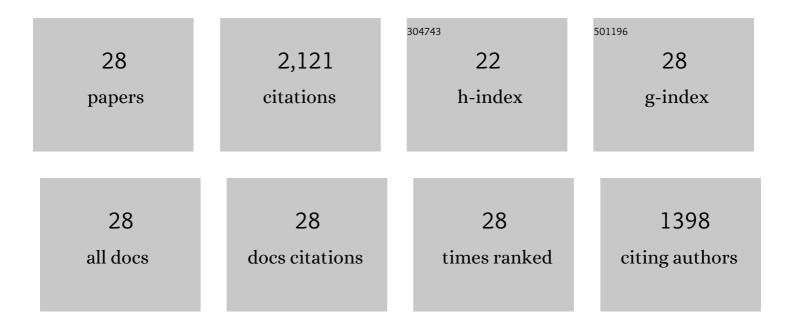
## Klaus Pontoppidan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	An old disk still capable of forming a planetary system. Nature, 2013, 493, 644-646.	27.8	285
2	A \$mathsf{3{-}5~mu}\$m VLT spectroscopic survey of embedded young low mass stars I. Astronomy and Astrophysics, 2003, 408, 981-1007.	5.1	211
3	Resolved gas cavities in transitional disks inferred from CO isotopologs with ALMA. Astronomy and Astrophysics, 2016, 585, A58.	5.1	166
4	MASS MEASUREMENTS IN PROTOPLANETARY DISKS FROM HYDROGEN DEUTERIDE. Astrophysical Journal, 2016, 831, 167.	4.5	151
5	A <i>SPITZER</i> SURVEY OF MID-INFRARED MOLECULAR EMISSION FROM PROTOPLANETARY DISKS. II. CORRELATIONS AND LOCAL THERMAL EQUILIBRIUM MODELS. Astrophysical Journal, 2011, 731, 130.	4.5	140
6	Mapping ices in protostellar environments on 1000 AU scales. Astronomy and Astrophysics, 2004, 426, 925-940.	5.1	133
7	DIRECT IMAGING OF THE WATER SNOW LINE AT THE TIME OF PLANET FORMATION USING TWO ALMA CONTINUUM BANDS. Astrophysical Journal Letters, 2015, 815, L15.	8.3	112
8	EVIDENCE FOR A SNOW LINE BEYOND THE TRANSITIONAL RADIUS IN THE TW Hya PROTOPLANETARY DISK. Astrophysical Journal, 2013, 766, 82.	4.5	99
9	RADIATIVE TRANSFER MODELS OF MID-INFRARED H <sub>2</sub> 0 LINES IN THE PLANET-FORMING REGION OF CIRCUMSTELLAR DISKS. Astrophysical Journal, 2009, 704, 1471-1481.	4.5	97
10	Detection of abundant solid methanol toward young low mass stars. Astronomy and Astrophysics, 2003, 404, L17-L20.	5.1	88
11	VLT-CRIRES SURVEY OF ROVIBRATIONAL CO EMISSION FROM PROTOPLANETARY DISKS. Astrophysical Journal, 2013, 770, 94.	4.5	82
12	Single peaked CO emission line profiles from the inner regions of protoplanetary disks. Astronomy and Astrophysics, 2011, 527, A119.	5.1	72
13	AN EMPIRICAL SEQUENCE OF DISK GAP OPENING REVEALED BY ROVIBRATIONAL CO. Astrophysical Journal, 2015, 809, 167.	4.5	57
14	Testing particle trapping in transition disks with ALMA. Astronomy and Astrophysics, 2015, 584, A16.	5.1	55
15	THE DEPLETION OF WATER DURING DISPERSAL OF PLANET-FORMING DISK REGIONS. Astrophysical Journal, 2017, 834, 152.	4.5	48
16	Hints for Icy Pebble Migration Feeding an Oxygen-rich Chemistry in the Inner Planet-forming Region of Disks. Astrophysical Journal, 2020, 903, 124.	4.5	47
17	Disks and outflows in CO rovibrational emission from embedded, low-mass young stellar objects. Astronomy and Astrophysics, 2011, 533, A112.	5.1	37
18	The Evolution of Disk Winds from a Combined Study of Optical and Infrared Forbidden Lines. Astrophysical Journal, 2020, 903, 78.	4.5	37

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#	ARTICLE	IF	CITATIONS
19	VLT-ISAAC 3–5 μm spectroscopy of embedded young low-mass stars. Astronomy and Astrophysics, 2006, 449, 251-265.	5.1	31
20	Observing the linked depletion of dust and CO gas at 0.1–10 au in disks of intermediate-mass stars. Astronomy and Astrophysics, 2018, 609, L2.	5.1	29
21	DEPLETION OF MOLECULAR GAS BY AN ACCRETION OUTBURST IN A PROTOPLANETARY DISK. Astrophysical Journal Letters, 2015, 798, L16.	8.3	26
22	Scanning Disk Rings and Winds in CO at 0.01–10 au: A High-resolution M-band Spectroscopy Survey with IRTF-iSHELL. Astronomical Journal, 2022, 163, 174.	4.7	26
23	A UV-TO-MIR MONITORING OF DR TAU: EXPLORING HOW WATER VAPOR IN THE PLANET FORMATION REGION IS AFFECTED BY STELLAR ACCRETION VARIABILITY. Astrophysical Journal, 2014, 780, 26.	4.5	22
24	A High-resolution Mid-infrared Survey of Water Emission from Protoplanetary Disks. Astrophysical Journal, 2019, 874, 24.	4.5	22
25	The Nitrogen Carrier in Inner Protoplanetary Disks. Astrophysical Journal, 2019, 874, 92.	4.5	18
26	Linking ice and gas in the Serpens low-mass star-forming region. Astronomy and Astrophysics, 2020, 643, A48.	5.1	18
27	Two-dimensional ice mapping of molecular cores. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4753-4762.	4.4	10
28	Variability of the Great Disk Shadow in Serpens. Astrophysical Journal, 2020, 896, 169.	4.5	2