

# Klaus Pontoppidan

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

2,121  
citations

304743

22  
h-index

501196

28  
g-index

28  
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28  
docs citations

28  
times ranked

1398  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scanning Disk Rings and Winds in CO at 0.01–10 au: A High-resolution M-band Spectroscopy Survey with IRTF-iSHELL. <i>Astronomical Journal</i> , 2022, 163, 174.	4.7	26
2	Variability of the Great Disk Shadow in Serpens. <i>Astrophysical Journal</i> , 2020, 896, 169.	4.5	2
3	Linking ice and gas in the Serpens low-mass star-forming region. <i>Astronomy and Astrophysics</i> , 2020, 643, A48.	5.1	18
4	The Evolution of Disk Winds from a Combined Study of Optical and Infrared Forbidden Lines. <i>Astrophysical Journal</i> , 2020, 903, 78.	4.5	37
5	Hints for Icy Pebble Migration Feeding an Oxygen-rich Chemistry in the Inner Planet-forming Region of Disks. <i>Astrophysical Journal</i> , 2020, 903, 124.	4.5	47
6	A High-resolution Mid-infrared Survey of Water Emission from Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 874, 24.	4.5	22
7	The Nitrogen Carrier in Inner Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 874, 92.	4.5	18
8	Observing the linked depletion of dust and CO gas at 0.1–10 au in disks of intermediate-mass stars. <i>Astronomy and Astrophysics</i> , 2018, 609, L2.	5.1	29
9	THE DEPLETION OF WATER DURING DISPERSAL OF PLANET-FORMING DISK REGIONS. <i>Astrophysical Journal</i> , 2017, 834, 152.	4.5	48
10	Two-dimensional ice mapping of molecular cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4753-4762.	4.4	10
11	Resolved gas cavities in transitional disks inferred from CO isotopologs with ALMA. <i>Astronomy and Astrophysics</i> , 2016, 585, A58.	5.1	166
12	MASS MEASUREMENTS IN PROTOPLANETARY DISKS FROM HYDROGEN DEUTERIDE. <i>Astrophysical Journal</i> , 2016, 831, 167.	4.5	151
13	DIRECT IMAGING OF THE WATER SNOW LINE AT THE TIME OF PLANET FORMATION USING TWO ALMA CONTINUUM BANDS. <i>Astrophysical Journal Letters</i> , 2015, 815, L15.	8.3	112
14	AN EMPIRICAL SEQUENCE OF DISK GAP OPENING REVEALED BY ROVIBRATIONAL CO. <i>Astrophysical Journal</i> , 2015, 809, 167.	4.5	57
15	DEPLETION OF MOLECULAR GAS BY AN ACCRETION OUTBURST IN A PROTOPLANETARY DISK. <i>Astrophysical Journal Letters</i> , 2015, 798, L16.	8.3	26
16	Testing particle trapping in transition disks with ALMA. <i>Astronomy and Astrophysics</i> , 2015, 584, A16.	5.1	55
17	A UV-TO-MIR MONITORING OF DR TAU: EXPLORING HOW WATER VAPOR IN THE PLANET FORMATION REGION IS AFFECTED BY STELLAR ACCRETION VARIABILITY. <i>Astrophysical Journal</i> , 2014, 780, 26.	4.5	22
18	An old disk still capable of forming a planetary system. <i>Nature</i> , 2013, 493, 644-646.	27.8	285

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19	VLT-CRIRES SURVEY OF ROVIBRATIONAL CO EMISSION FROM PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2013, 770, 94.	4.5	82
20	EVIDENCE FOR A SNOW LINE BEYOND THE TRANSITIONAL RADIUS IN THE TW Hya PROTOPLANETARY DISK. <i>Astrophysical Journal</i> , 2013, 766, 82.	4.5	99
21	Disks and outflows in CO rovibrational emission from embedded, low-mass young stellar objects. <i>Astronomy and Astrophysics</i> , 2011, 533, A112.	5.1	37
22	A SPITZER SURVEY OF MID-INFRARED MOLECULAR EMISSION FROM PROTOPLANETARY DISKS. II. CORRELATIONS AND LOCAL THERMAL EQUILIBRIUM MODELS. <i>Astrophysical Journal</i> , 2011, 731, 130.	4.5	140
23	Single peaked CO emission line profiles from the inner regions of protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2011, 527, A119.	5.1	72
24	RADIATIVE TRANSFER MODELS OF MID-INFRARED H <sub>2</sub> O LINES IN THE PLANET-FORMING REGION OF CIRCUMSTELLAR DISKS. <i>Astrophysical Journal</i> , 2009, 704, 1471-1481.	4.5	97
25	VLT-ISAAC 5 $\mu$ m spectroscopy of embedded young low-mass stars. <i>Astronomy and Astrophysics</i> , 2006, 449, 251-265.	5.1	31
26	Mapping ices in protostellar environments on 1000 AU scales. <i>Astronomy and Astrophysics</i> , 2004, 426, 925-940.	5.1	133
27	A $3\text{-}\mu\text{m}$ VLT spectroscopic survey of embedded young low mass stars I. <i>Astronomy and Astrophysics</i> , 2003, 408, 981-1007.	5.1	211
28	Detection of abundant solid methanol toward young low mass stars. <i>Astronomy and Astrophysics</i> , 2003, 404, L17-L20.	5.1	88