

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
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28
all docs

28
docs citations

28
times ranked

1398
citing authors

#	ARTICLE	IF	CITATIONS
1	An old disk still capable of forming a planetary system. <i>Nature</i> , 2013, 493, 644-646.	27.8	285
2	A $\mathit{3\text{-}\mu\text{m}}$ VLT spectroscopic survey of embedded young low mass stars I. <i>Astronomy and Astrophysics</i> , 2003, 408, 981-1007.	5.1	211
3	Resolved gas cavities in transitional disks inferred from CO isotopologs with ALMA. <i>Astronomy and Astrophysics</i> , 2016, 585, A58.	5.1	166
4	MASS MEASUREMENTS IN PROTOPLANETARY DISKS FROM HYDROGEN DEUTERIDE. <i>Astrophysical Journal</i> , 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. <i>Astrophysical Journal</i> , 2011, 731, 130.	4.5	140
6	Mapping ices in protostellar environments on 1000 AU scales. <i>Astronomy and Astrophysics</i> , 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. <i>Astrophysical Journal Letters</i> , 2015, 815, L15.	8.3	112
8	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
9	RADIATIVE TRANSFER MODELS OF MID-INFRARED H_{2}O LINES IN THE PLANET-FORMING REGION OF CIRCUMSTELLAR DISKS. <i>Astrophysical Journal</i> , 2009, 704, 1471-1481.	4.5	97
10	Detection of abundant solid methanol toward young low mass stars. <i>Astronomy and Astrophysics</i> , 2003, 404, L17-L20.	5.1	88
11	VLT-CRIRES SURVEY OF ROVIBRATIONAL CO EMISSION FROM PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2013, 770, 94.	4.5	82
12	Single peaked CO emission line profiles from the inner regions of protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2011, 527, A119.	5.1	72
13	AN EMPIRICAL SEQUENCE OF DISK GAP OPENING REVEALED BY ROVIBRATIONAL CO. <i>Astrophysical Journal</i> , 2015, 809, 167.	4.5	57
14	Testing particle trapping in transition disks with ALMA. <i>Astronomy and Astrophysics</i> , 2015, 584, A16.	5.1	55
15	THE DEPLETION OF WATER DURING DISPERSAL OF PLANET-FORMING DISK REGIONS. <i>Astrophysical Journal</i> , 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. <i>Astrophysical Journal</i> , 2020, 903, 124.	4.5	47
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	VLT-ISAAC 3.6 μ m spectroscopy of embedded young low-mass stars. <i>Astronomy and Astrophysics</i> , 2006, 449, 251-265.	5.1	31
20	Observing the linked depletion of dust and CO gas at 0.1 μ m in disks of intermediate-mass stars. <i>Astronomy and Astrophysics</i> , 2018, 609, L2.	5.1	29
21	DEPLETION OF MOLECULAR GAS BY AN ACCRETION OUTBURST IN A PROTOPLANETARY DISK. <i>Astrophysical Journal Letters</i> , 2015, 798, L16.	8.3	26
22	Scanning Disk Rings and Winds in CO at 0.01 μ m: A High-resolution M-band Spectroscopy Survey with IRTF-iSHELL. <i>Astronomical Journal</i> , 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. <i>Astrophysical Journal</i> , 2014, 780, 26.	4.5	22
24	A High-resolution Mid-infrared Survey of Water Emission from Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 874, 24.	4.5	22
25	The Nitrogen Carrier in Inner Protoplanetary Disks. <i>Astrophysical Journal</i> , 2019, 874, 92.	4.5	18
26	Linking ice and gas in the Serpens low-mass star-forming region. <i>Astronomy and Astrophysics</i> , 2020, 643, A48.	5.1	18
27	Two-dimensional ice mapping of molecular cores. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4753-4762.	4.4	10
28	Variability of the Great Disk Shadow in Serpens. <i>Astrophysical Journal</i> , 2020, 896, 169.	4.5	2