

Yasuhiro Hasegawa

List of Publications by Year in descending order

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38
papers

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516710

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1107
citing authors

#	ARTICLE	IF	CITATIONS
1	A likely flyby of binary protostar Z CMa caught in action. <i>Nature Astronomy</i> , 2022, 6, 331-338.	10.1	21
2	Determining Dispersal Mechanisms of Protoplanetary Disks Using Accretion and Wind Mass Loss Rates. <i>Astrophysical Journal Letters</i> , 2022, 926, L23.	8.3	12
3	Keck/OSIRIS Pa β High-contrast Imaging and Updated Constraints on PDS 70b. <i>Astronomical Journal</i> , 2021, 162, 214.	4.7	9
4	Magnetic Fields and Accreting Giant Planets around PDS 70. <i>Astrophysical Journal</i> , 2021, 923, 27.	4.5	4
5	The Detection of Dust Gap-ring Structure in the Outer Region of the CR Cha Protoplanetary Disk. <i>Astrophysical Journal</i> , 2020, 888, 72.	4.5	9
6	The Properties of Planetesimal Collisions under Jupiter's Perturbation and the Application to Chondrule Formation via Impact Jetting. <i>Astrophysical Journal</i> , 2019, 884, 37.	4.5	1
7	The Heavy-element Content Trend of Planets: A Tracer of Their Formation Sites. <i>Astrophysical Journal Letters</i> , 2019, 876, L32.	8.3	7
8	Close-in giant-planet formation via in-situ gas accretion and their natal disk properties. <i>Astronomy and Astrophysics</i> , 2019, 629, L1.	5.1	6
9	Detection of 40–48 GHz dust continuum linear polarization towards the Class 0 young stellar object IRAS 16293–2422. <i>Astronomy and Astrophysics</i> , 2018, 617, A3.	5.1	13
10	The Origin of the Heavy-element Content Trend in Giant Planets via Core Accretion. <i>Astrophysical Journal</i> , 2018, 865, 32.	4.5	18
11	Differences in the Gas and Dust Distribution in the Transitional Disk of a Sun-like Young Star, PDS 70. <i>Astrophysical Journal</i> , 2018, 858, 112.	4.5	42
12	The Eccentric Cavity, Triple Rings, Two-armed Spirals, and Double Clumps of the MWC 758 Disk. <i>Astrophysical Journal</i> , 2018, 860, 124.	4.5	126
13	Abundances of Ordinary Chondrites in Thermally Evolving Planetesimals. <i>Astrophysical Journal</i> , 2018, 863, 100.	4.5	4
14	PLANETESIMAL COLLISIONS AS A CHONDRULE FORMING EVENT. <i>Astrophysical Journal</i> , 2017, 834, 125.	4.5	20
15	Diffusion of Oxygen Isotopes in Thermally Evolving Planetesimals and Size Ranges of Presolar Silicate Grains. <i>Astrophysical Journal</i> , 2017, 836, 106.	4.5	3
16	Effects of Grain Growth on Molecular Abundances in Young Stellar Objects. <i>Astrophysical Journal</i> , 2017, 837, 78.	4.5	12
17	Systematic Analysis of Spectral Energy Distributions and the Dust Opacity Indices for Class 0 Young Stellar Objects. <i>Astrophysical Journal</i> , 2017, 840, 72.	4.5	51
18	A concordant scenario to explain FU Orionis from deep centimeter and millimeter interferometric observations. <i>Astronomy and Astrophysics</i> , 2017, 602, A19.	5.1	26

#	ARTICLE	IF	CITATIONS
19	The Shadow Knows: Using Shadows to Investigate the Structure of the Pretransitional Disk of HD 100453. <i>Astrophysical Journal</i> , 2017, 838, 62.	4.5	25
20	Chondrule Accretion with a Growing Protoplanet. <i>Astrophysical Journal</i> , 2017, 837, 103.	4.5	3
21	Magnetically Induced Disk Winds and Transport in the HL Tau Disk. <i>Astrophysical Journal</i> , 2017, 845, 31.	4.5	61
22	DETECTION OF LINEARLY POLARIZED 6.9 mm CONTINUUM EMISSION FROM THE CLASS 0 YOUNG STELLAR OBJECT NGC 1333 IRAS4A. <i>Astrophysical Journal</i> , 2016, 821, 41.	4.5	23
23	FORMING CHONDRITES IN A SOLAR NEBULA WITH MAGNETICALLY INDUCED TURBULENCE. <i>Astrophysical Journal Letters</i> , 2016, 820, L12.	8.3	13
24	SUPER-EARTHS AS FAILED CORES IN ORBITAL MIGRATION TRAPS. <i>Astrophysical Journal</i> , 2016, 832, 83.	4.5	13
25	ABSENCE OF SIGNIFICANT COOL DISKS IN YOUNG STELLAR OBJECTS EXHIBITING REPETITIVE OPTICAL OUTBURSTS. <i>Astrophysical Journal Letters</i> , 2016, 816, L29.	8.3	10
26	PLANETARY SYSTEM FORMATION IN THE PROTOPLANETARY DISK AROUND HL TAURI. <i>Astrophysical Journal</i> , 2016, 818, 158.	4.5	58
27	CHONDRULE FORMATION VIA IMPACT JETTING TRIGGERED BY PLANETARY ACCRETION. <i>Astrophysical Journal</i> , 2016, 816, 8.	4.5	16
28	VISCOUS INSTABILITY TRIGGERED BY LAYERED ACCRETION IN PROTOPLANETARY DISKS. <i>Astrophysical Journal</i> , 2015, 815, 99.	4.5	9
29	PROBING THE PHYSICAL CONDITIONS OF SUPERNOVA EJECTA WITH THE MEASURED SIZES OF PRESOLAR Al ₂ O ₃ GRAINS. <i>Astrophysical Journal Letters</i> , 2015, 811, L39.	8.3	6
30	PLANET TRAPS AND PLANETARY CORES: ORIGINS OF THE PLANET-METALLICITY CORRELATION. <i>Astrophysical Journal</i> , 2014, 794, 25.	4.5	42
31	DO GIANT PLANETS SURVIVE TYPE II MIGRATION?. <i>Astrophysical Journal</i> , 2013, 774, 146.	4.5	56
32	PLANETARY POPULATIONS IN THE MASS-PERIOD DIAGRAM: A STATISTICAL TREATMENT OF EXOPLANET FORMATION AND THE ROLE OF PLANET TRAPS. <i>Astrophysical Journal</i> , 2013, 778, 78.	4.5	72
33	Disk Inhomogeneities and the Origins of Planetary System Architectures and Observational Properties. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 190-193.	0.0	0
34	Protostellar Disks, Planet Traps, and the Origins of Exoplanetary Systems. <i>Proceedings of the International Astronomical Union</i> , 2013, 8, 365-369.	0.0	0
35	EVOLUTIONARY TRACKS OF TRAPPED, ACCRETING PROTOPLANETS: THE ORIGIN OF THE OBSERVED MASS-PERIOD RELATION. <i>Astrophysical Journal</i> , 2012, 760, 117.	4.5	64
36	Dust settling and rapid planetary migration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 286-300.	4.4	32

#	ARTICLE	IF	CITATIONS
37	The origin of planetary system architectures - I. Multiple planet traps in gaseous discs. Monthly Notices of the Royal Astronomical Society, 2011, 417, 1236-1259.	4.4	106
38	DEAD ZONES AS THERMAL BARRIERS TO RAPID PLANETARY MIGRATION IN PROTOPLANETARY DISKS. Astrophysical Journal Letters, 2010, 710, L167-L171.	8.3	52