Yasuhiro Hasegawa

List of Publications by Year
in descending order

#	Article	IF	Citations
1	The Eccentric Cavity, Triple Rings, Two-armed Spirals, and Double Clumps of the MWC 758 Disk. Astrophysical Journal, 2018, 860, 124.	4.5	126
2	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
3	PLANETARY POPULATIONS IN THE MASS-PERIOD DIAGRAM: A STATISTICAL TREATMENT OF EXOPLANET FORMATION AND THE ROLE OF PLANET TRAPS. Astrophysical Journal, 2013, 778, 78.	4.5	72
4	EVOLUTIONARY TRACKS OF TRAPPED, ACCRETING PROTOPLANETS: THE ORIGIN OF THE OBSERVED MASS-PERIOD RELATION. Astrophysical Journal, 2012, 760, 117.	4.5	64
5	Magnetically Induced Disk Winds and Transport in the HL Tau Disk. Astrophysical Journal, 2017, 845, 31.	4.5	61
6	PLANETARY SYSTEM FORMATION IN THE PROTOPLANETARY DISK AROUND HL TAURI. Astrophysical Journal, 2016, 818, 158.	4.5	58
7	DO GIANT PLANETS SURVIVE TYPE II MIGRATION?. Astrophysical Journal, 2013, 774, 146.	4.5	56
8	DEAD ZONES AS THERMAL BARRIERS TO RAPID PLANETARY MIGRATION IN PROTOPLANETARY DISKS. Astrophysical Journal Letters, 2010, 710, L167-L171.	8.3	52
9	Systematic Analysis of Spectral Energy Distributions and the Dust Opacity Indices for Class 0 Young Stellar Objects. Astrophysical Journal, 2017, 840, 72.	4.5	51
10	PLANET TRAPS AND PLANETARY CORES: ORIGINS OF THE PLANET-METALLICITY CORRELATION. Astrophysical Journal, 2014, 794, 25.	4.5	42
11	Differences in the Gas and Dust Distribution in the Transitional Disk of a Sun-like Young Star, PDS 70. Astrophysical Journal, 2018, 858, 112.	4.5	42
12	Dust settling and rapid planetary migration. Monthly Notices of the Royal Astronomical Society, 2011, 413, 286-300.	4.4	32
13	A concordant scenario to explain FUâ€‰Orionis from deep centimeter and millimeter interferometric observations. Astronomy and Astrophysics, 2017, 602, A19.	5.1	26
14	The Shadow Knows: Using Shadows to Investigate the Structure of the Pretransitional Disk of HD 100453. Astrophysical Journal, 2017, 838, 62.	4.5	25
15	DETECTION OF LINEARLY POLARIZED 6.9 mm CONTINUUM EMISSION FROM THE CLASS 0 YOUNG STELLAR OBJECT NGC 1333 IRAS4A. Astrophysical Journal, 2016, 821, 41.	4.5	23
16	A likely flyby of binary protostar Z CMa caught in action. Nature Astronomy, 2022, 6, 331-338.	10.1	21
17	PLANETESIMAL COLLISIONS AS A CHONDRULE FORMING EVENT. Astrophysical Journal, 2017, 834, 125.	4.5	20
18	The Origin of the Heavy-element Content Trend in Giant Planets via Core Accretion. Astrophysical Journal, 2018, 865, 32.	4.5	18

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19	CHONDRULE FORMATION VIA IMPACT JETTING TRIGGERED BY PLANETARY ACCRETION. Astrophysical Journal, 2016, 816, 8.	4.5	16
20	FORMING CHONDRITES IN A SOLAR NEBULA WITH MAGNETICALLY INDUCED TURBULENCE. Astrophysical Journal Letters, 2016, 820, L12.	8.3	13
21	SUPER-EARTHS AS FAILED CORES IN ORBITAL MIGRATION TRAPS. Astrophysical Journal, 2016, 832, 83.	4.5	13
22	Detection of 40â€“48 GHz dust continuum linear polarization towards the Class 0 young stellar object IRAS 16293â€“2422. Astronomy and Astrophysics, 2018, 617, A3.	5.1	13
23	Effects of Grain Growth on Molecular Abundances in Young Stellar Objects. Astrophysical Journal, 2017, 837, 78.	4.5	12
24	Determining Dispersal Mechanisms of Protoplanetary Disks Using Accretion and Wind Mass Loss Rates. Astrophysical Journal Letters, 2022, 926, L23.	8.3	12
25	ABSENCE OF SIGNIFICANT COOL DISKS IN YOUNG STELLAR OBJECTS EXHIBITING REPETITIVE OPTICAL OUTBURSTS. Astrophysical Journal Letters, 2016, 816, L29.	8.3	10
26	VISCOUS INSTABILITY TRIGGERED BY LAYERED ACCRETION IN PROTOPLANETARY DISKS. Astrophysical Journal, 2015, 815, 99.	4.5	9
27	The Detection of Dust Gap-ring Structure in the Outer Region of the CR Cha Protoplanetary Disk. Astrophysical Journal, 2020, 888, 72.	4.5	9
28	Keck/OSIRIS Paî² High-contrast Imaging and Updated Constraints on PDS 70b. Astronomical Journal, 2021, 162, 214.	4.7	9
29	The Heavy-element Content Trend of Planets: A Tracer of Their Formation Sites. Astrophysical Journal Letters, 2019, 876, L32.	8.3	7
30	PROBING THE PHYSICAL CONDITIONS OF SUPERNOVA EJECTA WITH THE MEASURED SIZES OF PRESOLAR Al ₂ O ₃ GRAINS. Astrophysical Journal Letters, 2015, 811, L39.	8.3	6
31	Close-in giant-planet formation via in-situ gas accretion and their natal disk properties. Astronomy and Astrophysics, 2019, 629, L1.	5.1	6
32	Abundances of Ordinary Chondrites in Thermally Evolving Planetesimals. Astrophysical Journal, 2018, 863, 100.	4.5	4
33	Magnetic Fields and Accreting Giant Planets around PDS 70. Astrophysical Journal, 2021, 923, 27.	4.5	4
34	Diffusion of Oxygen Isotopes in Thermally Evolving Planetesimals and Size Ranges of Presolar Silicate Grains. Astrophysical Journal, 2017, 836, 106.	4.5	3
35	Chondrule Accretion with a Growing Protoplanet. Astrophysical Journal, 2017, 837, 103.	4.5	3
36	The Properties of Planetesimal Collisions under Jupiterâ€™s Perturbation and the Application to Chondrule Formation via Impact Jetting. Astrophysical Journal, 2019, 884, 37.	4.5	1

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37	Disk Inhomogeneities and the Origins of Planetary System Architectures and Observational Properties. Proceedings of the International Astronomical Union, 2013, 8, 190-193.	0.0	0
38	Protostellar Disks, Planet Traps, and the Origins of Exoplanetary Systems. Proceedings of the International Astronomical Union, 2013, 8, 365-369.	0.0	0