

Chao-Chin Yang

List of Publications by Year in descending order

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26
papers

1,033
citations

516215

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676716

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26
all docs

26
docs citations

26
times ranked

819
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of dust rings and gaps in non-ideal MHD discs through meridional gas flows. Monthly Notices of the Royal Astronomical Society, 2022, 516, 2006-2022.	1.6	11
2	Kozai-Lidov oscillations triggered by a tilt instability of detached circumplanetary discs. Monthly Notices of the Royal Astronomical Society, 2021, 502, 4426-4434.	1.6	3
3	The Pencil Code, a modular MPI code for partial differential equations and particles: multipurpose and multiuser-maintained. Journal of Open Source Software, 2021, 6, 2807.	2.0	92
4	Streaming instability with multiple dust species II. Turbulence and dust gas dynamics at non-linear saturation. Monthly Notices of the Royal Astronomical Society, 2021, 508, 5538-5553.	1.6	16
5	Formation of the polar debris disc around 99 Herculis. Monthly Notices of the Royal Astronomical Society, 2020, 494, 487-499.	1.6	21
6	Morphological signatures induced by dust back reaction in discs with an embedded planet. Monthly Notices of the Royal Astronomical Society, 2020, 491, 4702-4718.	1.6	8
7	The evolution of a circumplanetary disc with a dead zone. Monthly Notices of the Royal Astronomical Society, 2020, 500, 2822-2830.	1.6	2
8	Streaming instability with multiple dust species I. Favourable conditions for the linear growth. Monthly Notices of the Royal Astronomical Society, 2020, 501, 467-482.	1.6	35
9	Streaming instability of multiple particle species in protoplanetary disks. Astronomy and Astrophysics, 2018, 618, A75.	2.1	35
10	Diffusion and Concentration of Solids in the Dead Zone of a Protoplanetary Disk. Astrophysical Journal, 2018, 868, 27.	1.6	71
11	Initial mass function of planetesimals formed by the streaming instability. Astronomy and Astrophysics, 2017, 597, A69.	2.1	124
12	Concentrating small particles in protoplanetary disks through the streaming instability. Astronomy and Astrophysics, 2017, 606, A80.	2.1	203
13	INTEGRATION OF PARTICLE-GAS SYSTEMS WITH STIFF MUTUAL DRAG INTERACTION. Astrophysical Journal, Supplement Series, 2016, 224, 39.	3.0	57
14	ON THE FEEDING ZONE OF PLANETESIMAL FORMATION BY THE STREAMING INSTABILITY. Astrophysical Journal, 2014, 792, 86.	1.6	79
15	TEMPERATURE FLUCTUATIONS DRIVEN BY MAGNETOROTATIONAL INSTABILITY IN PROTOPLANETARY DISKS. Astrophysical Journal, 2014, 791, 62.	1.6	23
16	HYDRODYNAMICAL SIMULATIONS OF THE BARRED SPIRAL GALAXY NGC 1097. Astrophysical Journal, 2013, 771, 8.	1.6	21
17	Large-scale planetesimal formation by streaming instability. Proceedings of the International Astronomical Union, 2013, 8, 177-178.	0.0	0
18	Hydrodynamical simulations of the barred spiral galaxy NGC 1097. Proceedings of the International Astronomical Union, 2012, 10, 376-376.	0.0	0

#	ARTICLE	IF	CITATIONS
19	PLANETESIMAL AND PROTOPLANET DYNAMICS IN A TURBULENT PROTOPLANETARY DISK: IDEAL STRATIFIED DISKS. Astrophysical Journal, 2012, 748, 79.	1.6	45
20	THERMAL-INSTABILITY-DRIVEN TURBULENT MIXING IN GALACTIC DISKS. I. EFFECTIVE MIXING OF METALS. Astrophysical Journal, 2012, 758, 48.	1.6	74
21	Planetesimal and protoplanet dynamics in a turbulent protoplanetary disk. Proceedings of the International Astronomical Union, 2010, 6, 517-518.	0.0	0
22	Rayleigh adjustment of narrow barriers in protoplanetary discs. Monthly Notices of the Royal Astronomical Society, 2010, 402, 2436-2440.	1.6	22
23	PLANETESIMAL AND PROTOPLANET DYNAMICS IN A TURBULENT PROTOPLANETARY DISK: IDEAL UNSTRATIFIED DISKS. Astrophysical Journal, 2009, 707, 1233-1246.	1.6	37
24	Large-scale Gravitational Instability and Star Formation in the Large Magellanic Cloud. Astrophysical Journal, 2007, 671, 374-379.	1.6	46
25	On the Spiral Structure of NGC 5248: An Analytic Approach. Astrophysical Journal, 2006, 644, 180-187.	1.6	8
26	Star formation in the LMC: gravitational instability and dynamical triggering. Proceedings of the International Astronomical Union, 2006, 2, 192-198.	0.0	0