Peter Bodenheimer

List of Publications by Year
in descending order

21 papers	4,801 citations	471509 17 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	2891 citing authors

#	Article	IF	Citations
1	Mixing of Condensable Constituents with Hâ€“He during the Formation and Evolution of Jupiter. Planetary Science Journal, 2022, 3, 74.	3.6	9
2	Growth of Jupiter: Formation in disks of gas and solids and evolution to the present epoch. Icarus, 2021, 355, 114087.	2.5	17
3	Detailed Calculations of the Efficiency of Planetesimal Accretion in the Core-accretion Model. Astrophysical Journal, 2020, 899, 45.	4.5	17
4	New Formation Models for the Kepler-36 System. Astrophysical Journal, 2018, 868, 138.	4.5	43
5	Jupiterâ€™s Formation and Its Primordial Internal Structure. Astrophysical Journal, 2017, 836, 227.	4.5	57
6	IN SITU FORMATION AND DYNAMICAL EVOLUTION OF HOT JUPITER SYSTEMS. Astrophysical Journal, 2016, 829, 114.	4.5	215
7	IN SITU AND EX SITU FORMATION MODELS OF KEPLER 11 PLANETS. Astrophysical Journal, 2016, 828, 33.	4.5	33
8	THE FORMATION OF URANUS AND NEPTUNE: CHALLENGES AND IMPLICATIONS FOR INTERMEDIATE-MASS EXOPLANETS. Astrophysical Journal, 2014, 789, 69.	4.5	75
9	ACCRETION AND EVOLUTION OF â^¼2.5M_{âŠ•}PLANETS WITH VOLUMINOUS H/He ENVELOPES. Astrophysical Journal, 2014, 791, 103.	4.5	66
10	Growth of Jupiter: Enhancement of core accretion by a voluminous low-mass envelope. Icarus, 2014, 241, 298-312.	2.5	24
11	DEUTERIUM BURNING IN MASSIVE GIANT PLANETS AND LOW-MASS BROWN DWARFS FORMED BY CORE-NUCLEATED ACCRETION. Astrophysical Journal, 2013, 770, 120.	4.5	77
12	THREE-DIMENSIONAL RADIATION-HYDRODYNAMICS CALCULATIONS OF THE ENVELOPES OF YOUNG PLANETS EMBEDDED IN PROTOPLANETARY DISKS. Astrophysical Journal, 2013, 778, 77.	4.5	69
13	FORMATION AND STRUCTURE OF LOW-DENSITY EXO-NEPTUNES. Astrophysical Journal, 2011, 738, 59.	4.5	213
14	The formation of Uranus and Neptune in solid-rich feeding zones: Connecting chemistry and dynamics. Icarus, 2010, 207, 491-498.	2.5	44
15	Formation of Jupiter using opacities based on detailed grain physics. Icarus, 2010, 209, 616-624.	2.5	190
16	Models of Jupiter's growth incorporating thermal and hydrodynamic constraints. Icarus, 2009, 199, 338-350.	2.5	229
17	Ice lines, planetesimal composition and solid surface density in the solar nebula. Icarus, 2009, 200, 672-693.	2.5	117
18	Accretion of the gaseous envelope of Jupiter around a 5â€“10 Earth-mass core. Icarus, 2005, 179, 415-431.	2.5	384

#	Article	IF	Citations
19	Formation of the Giant Planets by Concurrent Accretion of Solids and Gas. Icarus, 1996, 124, 62-85.	2.5	2,403
20	Calculations of the accretion and evolution of giant planets: The effects of solid cores. Icarus, 1986, 67, 391-408.	2.5	425
21	Planetesimal dissolution in the envelopes of the forming, giant planets. Icarus, 1986, 67, 409-443.	2.5	94