

# Matthew S Clement

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1884811/publications.pdf>

Version: 2024-02-01

19  
papers

482  
citations

840776

11  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mars's growth stunted by an early giant planet instability. <i>Icarus</i> , 2018, 311, 340-356.	2.5	108
2	The early instability scenario: Terrestrial planet formation during the giant planet instability, and the effect of collisional fragmentation. <i>Icarus</i> , 2019, 321, 778-790.	2.5	72
3	The First Habitable-zone Earth-sized Planet from TESS. I. Validation of the TOI-700 System. <i>Astronomical Journal</i> , 2020, 160, 116.	4.7	67
4	Excitation and Depletion of the Asteroid Belt in the Early Instability Scenario. <i>Astronomical Journal</i> , 2019, 157, 38.	4.7	42
5	Dynamical Constraints on Mercury's Collisional Origin. <i>Astronomical Journal</i> , 2019, 157, 208.	4.7	23
6	Embryo Formation with GPU Acceleration: Reevaluating the Initial Conditions for Terrestrial Accretion. <i>Planetary Science Journal</i> , 2020, 1, 18.	3.6	23
7	Born eccentric: Constraints on Jupiter and Saturn's pre-instability orbits. <i>Icarus</i> , 2021, 355, 114122.	2.5	22
8	A record of the final phase of giant planet migration fossilized in the asteroid belt's orbital structure. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 492, L56-L60.	3.3	21
9	Search for Nearby Earth Analogs .III. Detection of 10 New Planets, 3 Planet Candidates, and Confirmation of 3 Planets around 11 Nearby M Dwarfs. <i>Astrophysical Journal, Supplement Series</i> , 2020, 250, 29.	7.7	18
10	Orbital Precession in the Distant Solar System: Further Constraining the Planet Nine Hypothesis with Numerical Simulations. <i>Astronomical Journal</i> , 2020, 159, 285.	4.7	13
11	Dynamical Avenues for Mercury's Origin. I. The Lone Survivor of a Primordial Generation of Short-period Protoplanets. <i>Astronomical Journal</i> , 2021, 161, 240.	4.7	12
12	The early instability scenario: Mars's mass explained by Jupiter's orbit. <i>Icarus</i> , 2021, 367, 114585.	2.5	11
13	Dynamical Avenues for Mercury's Origin. II. In Situ Formation in the Inner Terrestrial Disk. <i>Astronomical Journal</i> , 2021, 162, 3.	4.7	10
14	Stability of Neptune's Distant Resonances in the Presence of Planet Nine. <i>Astronomical Journal</i> , 2021, 162, 27.	4.7	8
15	Mercury as the Relic of Earth and Venus Outward Migration. <i>Astrophysical Journal Letters</i> , 2021, 923, L16.	8.3	8
16	Prevalence of chaos in planetary systems formed through embryo accretion. <i>Icarus</i> , 2017, 288, 88-98.	2.5	7
17	Born extra-eccentric: A broad spectrum of primordial configurations of the gas giants that match their present-day orbits. <i>Icarus</i> , 2021, 367, 114556.	2.5	7
18	Habitable Planet Formation around Low-mass Stars: Rapid Accretion, Rapid Debris Removal, and the Essential Contribution of External Giants. <i>Astrophysical Journal</i> , 2022, 928, 91.	4.5	7

#	ARTICLE	IF	CITATIONS
19	Mathematical encoding within multiresonant planetary systems as SETI beacons. Monthly Notices of the Royal Astronomical Society, 2022, 513, 4945-4950.	4.4	3