

Ramon Brassler

List of Publications by Year in descending order

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74
papers

3,564
citations

147801

31
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155660

55
g-index

77
all docs

77
docs citations

77
times ranked

2559
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | The terrestrial planet formation paradox inferred from high-resolution N-body simulations. <i>Icarus</i> , 2022, 371, 114692. | 2.5 | 13 |
| 2 | Evidence of a primordial isotopic gradient in the inner region of the solar protoplanetary disc. <i>Astronomy and Astrophysics</i> , 2022, 660, A36. | 5.1 | 2 |
| 3 | Effects of pebble accretion on the growth and composition of planetesimals in the inner Solar system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 158-175. | 4.4 | 6 |
| 4 | GENGA. II. GPU Planetary N-body Simulations with Non-Newtonian Forces and High Number of Particles. <i>Astrophysical Journal</i> , 2022, 932, 124. | 4.5 | 7 |
| 5 | Early impact chronology of the icy regular satellites of the outer solar system. <i>Icarus</i> , 2021, 358, 114184. | 2.5 | 8 |
| 6 | Isotopically distinct terrestrial planets via local accretion. <i>Icarus</i> , 2021, 354, 114052. | 2.5 | 13 |
| 7 | Modification of the composition and density of Mercury from late accretion. <i>Icarus</i> , 2021, 354, 114064. | 2.5 | 6 |
| 8 | Mars's Formation Can Constrain the Primordial Orbits of the Gas Giants. <i>Astrophysical Journal Letters</i> , 2021, 910, L16. | 8.3 | 8 |
| 9 | Growing Mars fast: High-resolution GPU simulations of embryo formation. <i>Icarus</i> , 2021, 359, 114305. | 2.5 | 21 |
| 10 | A new estimate for the age of highly-siderophile element retention in the lunar mantle from late accretion. <i>Icarus</i> , 2021, 361, 114389. | 2.5 | 5 |
| 11 | Impact bombardment chronology of the terrestrial planets from 4.5 Ga to 3.5 Ga. <i>Icarus</i> , 2020, 338, 113514. | 2.5 | 38 |
| 12 | When Did Life Likely Emerge on Earth in an RNA-First Process?. <i>ChemSystemsChem</i> , 2020, 2, e1900035. | 2.6 | 71 |
| 13 | A new and simple prescription for planet orbital migration and eccentricity damping by planet-disc interactions based on dynamical friction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5666-5674. | 4.4 | 18 |
| 14 | The partitioning of the inner and outer Solar System by a structured protoplanetary disk. <i>Nature Astronomy</i> , 2020, 4, 492-499. | 10.1 | 73 |
| 15 | Clues to late accretion from Venus's atmosphere. <i>Nature Geoscience</i> , 2020, 13, 258-259. | 12.9 | 0 |
| 16 | Efficient tidal dissipation in Deimos. <i>Icarus</i> , 2020, 347, 113791. | 2.5 | 7 |
| 17 | Onset of Giant Planet Migration before 4480 Million Years Ago. <i>Astrophysical Journal</i> , 2019, 881, 44. | 4.5 | 82 |
| 18 | Mars in the aftermath of a colossal impact. <i>Icarus</i> , 2019, 333, 87-95. | 2.5 | 8 |

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|----|--|-----|-----------|
| 19 | The tidal parameters of TRAPPIST-1b and c. Monthly Notices of the Royal Astronomical Society, 2019, 487, 34-47. | 4.4 | 13 |
| 20 | The origin of the cratering asymmetry on Triton. Monthly Notices of the Royal Astronomical Society, 2019, 486, 836-842. | 4.4 | 7 |
| 21 | How planetary growth outperforms migration. Astronomy and Astrophysics, 2019, 622, A202. | 5.1 | 67 |
| 22 | Orbital evolution of Saturn's mid-sized moons and the tidal heating of Enceladus. Icarus, 2019, 317, 570-582. | 2.5 | 15 |
| 23 | Impact bombardment on the regular satellites of Jupiter and Uranus during an episode of giant planet migration. Earth and Planetary Science Letters, 2019, 506, 407-416. | 4.4 | 11 |
| 24 | Enhanced constraints on the interior composition and structure of terrestrial exoplanets. Monthly Notices of the Royal Astronomical Society, 2019, 482, 2222-2233. | 4.4 | 25 |
| 25 | Asteroid Family Associations of Active Asteroids. Astronomical Journal, 2018, 155, 96. | 4.7 | 32 |
| 26 | Thermal effects of late accretion to the crust and mantle of Mercury. Earth and Planetary Science Letters, 2018, 482, 536-544. | 4.4 | 3 |
| 27 | Feedstocks of the Terrestrial Planets. Space Science Reviews, 2018, 214, 1. | 8.1 | 15 |
| 28 | The curious case of Mars' formation. Astronomy and Astrophysics, 2018, 617, A17. | 5.1 | 17 |
| 29 | Plausible Home Stars of the Interstellar Object "Oumuamua Found in Gaia DR2. Astronomical Journal, 2018, 156, 205. | 4.7 | 23 |
| 30 | Trapping Low-mass Planets at the Inner Edge of the Protostellar Disk. Astrophysical Journal Letters, 2018, 864, L8. | 8.3 | 21 |
| 31 | Jupiter's Influence on the Building Blocks of Mars and Earth. Geophysical Research Letters, 2018, 45, 5908-5917. | 4.0 | 27 |
| 32 | The Structure of the Distant Kuiper Belt in a Nice Model Scenario. Astronomical Journal, 2017, 153, 127. | 4.7 | 38 |
| 33 | The cool and distant formation of Mars. Earth and Planetary Science Letters, 2017, 468, 85-93. | 4.4 | 37 |
| 34 | A colossal impact enriched Mars' mantle with noble metals. Geophysical Research Letters, 2017, 44, 5978-5985. | 4.0 | 26 |
| 35 | The terrestrial late veneer from core disruption of a lunar-sized impactor. Earth and Planetary Science Letters, 2017, 480, 25-32. | 4.4 | 95 |
| 36 | Saving Super-Earths: Interplay between Pebble Accretion and Type I Migration. Astronomical Journal, 2017, 153, 222. | 4.7 | 35 |

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|----|---|------|-----------|
| 37 | <i>N</i> -body simulations of planet formation via pebble accretion. <i>Astronomy and Astrophysics</i> , 2017, 607, A67. | 5.1 | 31 |
| 38 | ANALYSIS OF TERRESTRIAL PLANET FORMATION BY THE GRAND TACK MODEL: SYSTEM ARCHITECTURE AND TACK LOCATION. <i>Astrophysical Journal</i> , 2016, 821, 75. | 4.5 | 73 |
| 39 | Late veneer and late accretion to the terrestrial planets. <i>Earth and Planetary Science Letters</i> , 2016, 455, 85-93. | 4.4 | 57 |
| 40 | EFFECTS OF DYNAMICAL EVOLUTION OF GIANT PLANETS ON THE DELIVERY OF ATMOSPHERE ELEMENTS DURING TERRESTRIAL PLANET FORMATION. <i>Astrophysical Journal</i> , 2016, 818, 15. | 4.5 | 33 |
| 41 | TILTING SATURN WITHOUT TILTING JUPITER: CONSTRAINTS ON GIANT PLANET MIGRATION. <i>Astronomical Journal</i> , 2015, 150, 157. | 4.7 | 34 |
| 42 | The observation of large semi-major axis Centaurs: Testing for the signature of a planetary-mass solar companion. <i>Icarus</i> , 2015, 258, 37-49. | 2.5 | 44 |
| 43 | Origin and Evolution of the Cometary Reservoirs. <i>Space Science Reviews</i> , 2015, 197, 191-269. | 8.1 | 140 |
| 44 | Re-assessing the formation of the inner Oort cloud in an embedded star cluster II. Probing the inner edge. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 446, 3788-3796. | 4.4 | 39 |
| 45 | A dynamical study on the habitability of terrestrial exoplanets II The super-Earth HD 40307Ag. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 440, 3685-3700. | 4.4 | 35 |
| 46 | Oort cloud and Scattered Disc formation during a late dynamical instability in the Solar System. <i>Icarus</i> , 2013, 225, 40-49. | 2.5 | 193 |
| 47 | The Formation of Mars: Building Blocks and Accretion Time Scale. <i>Space Science Reviews</i> , 2013, 174, 11-25. | 8.1 | 75 |
| 48 | A dynamical study on the habitability of terrestrial exoplanets I. Tidally evolved planet-satellite pairs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 1673-1685. | 4.4 | 30 |
| 49 | Constraining the primordial orbits of the terrestrial planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 433, 3417-3427. | 4.4 | 71 |
| 50 | TWO SUPER-EARTHS ORBITING THE SOLAR ANALOG HD 41248 ON THE EDGE OF A 7:5 MEAN MOTION RESONANCE. <i>Astrophysical Journal</i> , 2013, 771, 41. | 4.5 | 46 |
| 51 | An Archaean heavy bombardment from a destabilized extension of the asteroid belt. <i>Nature</i> , 2012, 485, 78-81. | 27.8 | 345 |
| 52 | An Oort cloud origin for the high-inclination, high-perihelion Centaurs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 3396-3402. | 4.4 | 80 |
| 53 | Reassessing the formation of the inner Oort cloud in an embedded star cluster. <i>Icarus</i> , 2012, 217, 1-19. | 2.5 | 105 |
| 54 | Stability analysis of the martian obliquity during the Noachian era. <i>Icarus</i> , 2011, 213, 423-427. | 2.5 | 17 |

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|----|--|------|-----------|
| 55 | Reassessing the origin of Triton. <i>Icarus</i> , 2011, 214, 113-130. | 2.5 | 33 |
| 56 | Capture of the Sun's Oort Cloud from Stars in Its Birth Cluster. <i>Science</i> , 2010, 329, 187-190. | 12.6 | 136 |
| 57 | EVIDENCE FROM THE ASTEROID BELT FOR A VIOLENT PAST EVOLUTION OF JUPITER'S ORBIT. <i>Astronomical Journal</i> , 2010, 140, 1391-1401. | 4.7 | 192 |
| 58 | Simulations of planet migration driven by planetesimal scattering. <i>Icarus</i> , 2009, 199, 197-209. | 2.5 | 94 |
| 59 | Embedded star clusters and the formation of the Oort cloud. III. Evolution of the inner cloud during the Galactic phase. <i>Icarus</i> , 2008, 196, 274-284. | 2.5 | 25 |
| 60 | An analytical method to compute comet cloud formation efficiency and its application. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2008, 100, 1-26. | 1.4 | 13 |
| 61 | Inner Solar System dynamical analogs of plutinos. <i>Icarus</i> , 2008, 194, 789-799. | 2.5 | 6 |
| 62 | Asteroids on Earth-like orbits and their origin. <i>Monthly Notices of the Royal Astronomical Society</i> , 2008, 386, 2031-2038. | 4.4 | 19 |
| 63 | Embedded star clusters and the formation of the Oort cloud. <i>Icarus</i> , 2007, 191, 413-433. | 2.5 | 81 |
| 64 | Stability limits for the quasi-satellite orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 369, 15-24. | 4.4 | 61 |
| 65 | Embedded star clusters and the formation of the Oort Cloud. <i>Icarus</i> , 2006, 184, 59-82. | 2.5 | 173 |
| 66 | A survey of orbits of co-orbitals of Mars. <i>Planetary and Space Science</i> , 2005, 53, 617-624. | 1.7 | 22 |
| 67 | Long-term evolution of the Neptune Trojan 2001 QR322. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 347, 833-836. | 4.4 | 30 |
| 68 | Asteroid 2002 VE68, a quasi-satellite of Venus. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 351, L63-L65. | 4.4 | 71 |
| 69 | One to One Resonance at High Inclination. <i>Celestial Mechanics and Dynamical Astronomy</i> , 2004, 88, 123-152. | 1.4 | 46 |
| 70 | Transient co-orbital asteroids. <i>Icarus</i> , 2004, 171, 102-109. | 2.5 | 71 |
| 71 | Discovery of Earth's quasi-satellite. <i>Meteoritics and Planetary Science</i> , 2004, 39, 1251-1255. | 1.6 | 37 |
| 72 | Hill stability of a triple system with an inner binary of large mass ratio. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 332, 723-728. | 4.4 | 8 |

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|----|--|-----|-----------|
| 73 | The role of secular resonances on trojans of the terrestrial planets. Monthly Notices of the Royal Astronomical Society, 2002, 334, 241-247. | 4.4 | 22 |
| 74 | Some properties of a two-body system under the influence of the Galactic tidal field. Monthly Notices of the Royal Astronomical Society, 2001, 324, 1109-1116. | 4.4 | 32 |