

William K Hartmann

List of Publications by Year in descending order

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66
papers

6,493
citations

87888

38
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110387

64
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67
all docs

67
docs citations

67
times ranked

3112
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Effects of early intense bombardment on megaregolith evolution and on lunar (and planetary) surface samples. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2472-2492. | 1.6 | 7 |
| 2 | History of the Terminal Cataclysm Paradigm: Epistemology of a Planetary Bombardment That Never (?) Happened. <i>Geosciences (Switzerland)</i> , 2019, 9, 285. | 2.2 | 40 |
| 3 | Martian cratering 12. Utilizing primary crater clusters to study crater populations and meteoroid properties. <i>Meteoritics and Planetary Science</i> , 2018, 53, 672-686. | 1.6 | 8 |
| 4 | Comment on "Chelyabinsk, Zond <sc>IV</sc>, and a possible first-century fireball of historical importance". <i>Meteoritics and Planetary Science</i> , 2018, 53, 2243-2246. | 1.6 | 20 |
| 5 | Young Martian crater Gratteri and its secondary craters. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1118-1140. | 3.6 | 18 |
| 6 | Coronado-era Place-names, II. "Chichiltcale" and the Origin of the Name of the "Chirichua" Mountains. <i>Kiva, The</i> , 2016, 82, 71-91. | 0.5 | 0 |
| 7 | Dynamical sequestration of the Moon-forming impactor in co-orbital resonance with Earth. <i>Icarus</i> , 2016, 275, 239-248. | 2.5 | 5 |
| 8 | Coronado-era Place-names, I. Marcos de Niza in Sonora, and the Occurrence of Yaqui Names in his Relaci3n. <i>Kiva, The</i> , 2015, 80, 350-365. | 0.5 | 0 |
| 9 | Chelyabinsk, Zond IV, and a possible first-century fireball of historical importance. <i>Meteoritics and Planetary Science</i> , 2015, 50, 368-381. | 1.6 | 10 |
| 10 | Origin and history of ureilite material in the solar system: The view from asteroid 2008 TC₃ and the Almahata Sitta meteorite. <i>Meteoritics and Planetary Science</i> , 2015, 50, 782-809. | 1.6 | 92 |
| 11 | Comprehensive analysis of glaciated martian crater Greg. <i>Icarus</i> , 2014, 228, 96-120. | 2.5 | 35 |
| 12 | The giant impact hypothesis: past, present (and future?). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130249. | 3.4 | 19 |
| 13 | Very low strengths of interplanetary meteoroids and small asteroids. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1525-1550. | 1.6 | 145 |
| 14 | Do young martian ray craters have ages consistent with the crater count system?. <i>Icarus</i> , 2010, 208, 621-635. | 2.5 | 54 |
| 15 | Martian Cratering 10. Progress in use of crater counts to interpret geological processes: Examples from two debris aprons. <i>Earth and Planetary Science Letters</i> , 2010, 294, 230-237. | 4.4 | 20 |
| 16 | Confirmation and utilization of the "production function" size-frequency distributions of Martian impact craters. <i>Geophysical Research Letters</i> , 2008, 35, . | 4.0 | 34 |
| 17 | Possible long-term decline in impact rates. <i>Icarus</i> , 2007, 186, 11-23. | 2.5 | 68 |
| 18 | Crater clusters on Mars: Shedding light on martian ejecta launch conditions. <i>Icarus</i> , 2007, 190, 50-73. | 2.5 | 28 |

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|----|---|------|-----------|
| 19 | Mars Primordial Crust: Unique Sites for Investigating Proto-biologic Properties. Origins of Life and Evolution of Biospheres, 2007, 36, 533-540. | 1.9 | 1 |
| 20 | Possible long-term decline in impact rates. Icarus, 2007, 186, 1-10. | 2.5 | 75 |
| 21 | Martian cratering 9: Toward resolution of the controversy about small craters. Icarus, 2007, 189, 274-278. | 2.5 | 61 |
| 22 | Nature of the Martian uplands: Effect on Martian meteorite age distribution and secondary cratering. Meteoritics and Planetary Science, 2006, 41, 1453-1467. | 1.6 | 25 |
| 23 | Martian cratering 8: Isochron refinement and the chronology of Mars. Icarus, 2005, 174, 294-320. | 2.5 | 507 |
| 24 | The role of arcuate ridges and gullies in the degradation of craters in the Newton Basin region of Mars. Icarus, 2005, 178, 465-486. | 2.5 | 68 |
| 25 | Martian flow features, moraine-like ridges, and gullies: Terrestrial analogs and interrelationships. Icarus, 2005, 174, 321-335. | 2.5 | 97 |
| 26 | Utilization of the THEMIS visible and infrared imaging data for crater population studies of the Meridiani Planum landing site. Geophysical Research Letters, 2003, 30, . | 4.0 | 35 |
| 27 | Megaregolith evolution and cratering cataclysm modelsâ€”Lunar cataclysm as a misconception (28) Tj ETQq1 1 0.784314 rgBT / Over 1.6 892 | 1.6 | 92 |
| 28 | Bolides in the present and past martian atmosphere and effects on cratering processes. Meteoritics and Planetary Science, 2003, 38, 905-925. | 1.6 | 67 |
| 29 | Recent Fluvial, Volcanic, and Tectonic Activity on the Cerberus Plains of Mars. Icarus, 2002, 159, 1-17. | 2.5 | 151 |
| 30 | Migrations in Late Anasazi Prehistory: â€œEyewitnessâ€•Testimony. Kiva, The, 2001, 66, 375-385. | 0.5 | 12 |
| 31 | Introduction: A New Chapter in Mars Research. Space Science Reviews, 2001, 96, 3-6. | 8.1 | 2 |
| 32 | Cratering Chronology and the Evolution of Mars. Space Science Reviews, 2001, 96, 165-194. | 8.1 | 835 |
| 33 | Martian Seeps and their Relation to Youthful Geothermal Activity. Space Science Reviews, 2001, 96, 405-410. | 8.1 | 30 |
| 34 | Cratering Chronology and the Evolution of Mars. Space Sciences Series of ISSI, 2001, , 165-194. | 0.0 | 143 |
| 35 | Elysium Planitia lava flows: Crater count chronology and geological implications. Journal of Geophysical Research, 2000, 105, 15011-15025. | 3.3 | 145 |
| 36 | Voluminous volcanism on early Mars revealed in Valles Marineris. Nature, 1999, 397, 584-586. | 27.8 | 247 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Evidence for recent volcanism on Mars from crater counts. <i>Nature</i> , 1999, 397, 586-589. | 27.8 | 179 |
| 38 | “Pathological” Martian craters: Evidence for a transient obliteration event?. <i>Meteoritics and Planetary Science</i> , 1999, 34, 159-165. | 1.6 | 14 |
| 39 | Martian cratering VI: Crater count isochrons and evidence for recent volcanism from Mars Global Surveyor. <i>Meteoritics and Planetary Science</i> , 1999, 34, 167-177. | 1.6 | 131 |
| 40 | Reviewing the Yarkovsky effect: New light on the delivery of stone and iron meteorites from the asteroid belt. <i>Meteoritics and Planetary Science</i> , 1999, 34, A161. | 1.6 | 38 |
| 41 | First Indications of Geological Activity on Triton. <i>Science</i> , 1999, 286, 1297-1297. | 12.6 | 1 |
| 42 | Meteorite Delivery via Yarkovsky Orbital Drift. <i>Icarus</i> , 1998, 132, 378-387. | 2.5 | 279 |
| 43 | Planetary cratering 2: Studies of saturation equilibrium. <i>Meteoritics and Planetary Science</i> , 1997, 32, 109-121. | 1.6 | 62 |
| 44 | Planetary cratering 1. The question of multiple impactor populations: Lunar evidence. <i>Meteoritics</i> , 1995, 30, 451-467. | 1.4 | 45 |
| 45 | Additional evidence about an early intense flux of C asteroids and the origin of Phobos. <i>Icarus</i> , 1990, 87, 236-240. | 2.5 | 25 |
| 46 | Bombardment History of the Saturn System. <i>Journal of Geophysical Research</i> , 1988, 93, 13776-13804. | 3.3 | 93 |
| 47 | A satellite-asteroid mystery and a possible early flux of scattered C-class asteroids. <i>Icarus</i> , 1987, 71, 57-68. | 2.5 | 28 |
| 48 | Does crater “saturation equilibrium” occur in the solar system?. <i>Icarus</i> , 1984, 60, 56-74. | 2.5 | 151 |
| 49 | Remote comets and related bodies: VJHK colorimetry and surface materials. <i>Icarus</i> , 1982, 52, 377-408. | 2.5 | 114 |
| 50 | Prehistoric Trail Systems and Related Features on the Slopes of Tumamoc Hill. <i>Kiva</i> , The, 1979, 45, 39-69. | 0.5 | 6 |
| 51 | Martian cratering V: Toward an Empirical Martian Chronology, and Its Implications. <i>Geophysical Research Letters</i> , 1978, 5, 450-452. | 4.0 | 29 |
| 52 | Relative crater production rates on planets. <i>Icarus</i> , 1977, 31, 260-276. | 2.5 | 124 |
| 53 | Satellite-sized planetesimals and lunar origin. <i>Icarus</i> , 1975, 24, 504-515. | 2.5 | 680 |
| 54 | Lunar “cataclysm”: A misconception?. <i>Icarus</i> , 1975, 24, 181-187. | 2.5 | 119 |

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|----|---|-----|-----------|
| 55 | Ancient lunar mega-regolith and subsurface structure. <i>Icarus</i> , 1973, 18, 634-636. | 2.5 | 81 |
| 56 | Martian Cratering, 4, Mariner 9 initial analysis of cratering chronology. <i>Journal of Geophysical Research</i> , 1973, 78, 4096-4116. | 3.3 | 146 |
| 57 | Paleocratering of the Moon: Review of post-Apollo data. <i>Astrophysics and Space Science</i> , 1972, 17, 48-64. | 1.4 | 63 |
| 58 | Martian cratering II: Asteroid impact history. <i>Icarus</i> , 1971, 15, 396-409. | 2.5 | 24 |
| 59 | Martian cratering III: Theory of crater obliteration. <i>Icarus</i> , 1971, 15, 410-428. | 2.5 | 87 |
| 60 | Preliminary note on lunar cratering rates and absolute time-scales. <i>Icarus</i> , 1970, 12, 131-133. | 2.5 | 41 |
| 61 | Lunar cratering chronology. <i>Icarus</i> , 1970, 13, 299-301. | 2.5 | 93 |
| 62 | Terrestrial, lunar, and interplanetary rock fragmentation. <i>Icarus</i> , 1969, 10, 201-213. | 2.5 | 275 |
| 63 | Martian Cratering. <i>Icarus</i> , 1966, 5, 565-576. | 2.5 | 109 |
| 64 | Early lunar cratering. <i>Icarus</i> , 1966, 5, 406-418. | 2.5 | 135 |
| 65 | Terrestrial and lunar flux of large meteorites in the last two billion years. <i>Icarus</i> , 1965, 4, 157-165. | 2.5 | 88 |
| 66 | Secular changes in meteoritic flux through the history of the solar system. <i>Icarus</i> , 1965, 4, 207-213. | 2.5 | 37 |