

Lon L Hood

List of Publications by Year in descending order

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62
papers

3,390
citations

117453

34
h-index

155451

55
g-index

62
all docs

62
docs citations

62
times ranked

1781
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Magnetic Anomalies in Five Lunar Impact Basins: Implications for Impactor Trajectories and Inverse Modeling. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006668. | 1.5 | 6 |
| 2 | A New Large-Scale Map of the Lunar Crustal Magnetic Field and Its Interpretation. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006667. | 1.5 | 12 |
| 3 | Asymmetric Magnetic Anomalies Over Young Impact Craters on Mercury. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091767. | 1.5 | 1 |
| 4 | Lunar Magnetic Anomalies. , 2021, , 1-9. | | 1 |
| 5 | Stratospheric Influences on the MJO-Induced Rossby Wave Train: Effects on Intraseasonal Climate. <i>Journal of Climate</i> , 2020, 33, 365-389. | 1.2 | 7 |
| 6 | Constraining the Early History of Mercury and Its Core Dynamo by Studying the Crustal Magnetic Field. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 2382-2396. | 1.5 | 18 |
| 7 | Short-Term Solar Modulation of the Madden-Julian Climate Oscillation. <i>Journals of the Atmospheric Sciences</i> , 2018, 75, 857-873. | 0.6 | 9 |
| 8 | Investigating Sources of Mercury's Crustal Magnetic Field: Further Mapping of MESSENGER Magnetometer Data. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 2647-2666. | 1.5 | 16 |
| 9 | QBO/solar modulation of the boreal winter Madden-Julian oscillation: A prediction for the coming solar minimum. <i>Geophysical Research Letters</i> , 2017, 44, 3849-3857. | 1.5 | 24 |
| 10 | Lagged response of tropical tropospheric temperature to solar ultraviolet variations on intraseasonal time scales. <i>Geophysical Research Letters</i> , 2016, 43, 4066-4075. | 1.5 | 17 |
| 11 | Magnetic anomalies concentrated near and within Mercury's impact basins: Early mapping and interpretation. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 1016-1025. | 1.5 | 25 |
| 12 | Magnetic anomalies in the Imbrium and Schrödinger impact basins: Orbital evidence for persistence of the lunar core dynamo into the Imbrian epoch. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 2268-2281. | 1.5 | 11 |
| 13 | Initial mapping of Mercury's crustal magnetic field: Relationship to the Caloris impact basin. <i>Geophysical Research Letters</i> , 2015, 42, 10,565. | 1.5 | 19 |
| 14 | Solar signals in CMIP5 simulations: the ozone response. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2670-2689. | 1.0 | 43 |
| 15 | Mercury and the Moon. <i>Science</i> , 2015, 349, 1459-1459. | 6.0 | 1 |
| 16 | Lunar Magnetic Anomalies. , 2015, , 1-8. | | 1 |
| 17 | Lunar Magnetic Anomalies. , 2014, , 1-8. | | 2 |
| 18 | Origin of strong lunar magnetic anomalies: Further mapping and examinations of LROC imagery in regions antipodal to young large impact basins. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1265-1284. | 1.5 | 29 |

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|----|---|-----|-----------|
| 19 | The Lower-Stratospheric Response to 11-Yr Solar Forcing: Coupling to the Troposphere's Ocean Response. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 1841-1864. | 0.6 | 43 |
| 20 | The planetesimal bow shock model for chondrule formation: A more quantitative assessment of the standard (fixed Jupiter) case. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1715-1727. | 0.7 | 15 |
| 21 | Central magnetic anomalies of Nectarian-aged lunar impact basins: Probable evidence for an early core dynamo. <i>Icarus</i> , 2011, 211, 1109-1128. | 1.1 | 74 |
| 22 | Magnetic anomalies near Apollinaris Patera and the Medusae Fossae Formation in Lucus Planum, Mars. <i>Icarus</i> , 2010, 208, 118-131. | 1.1 | 45 |
| 23 | Decadal variability of the tropical stratosphere: Secondary influence of the El Niño's Southern Oscillation. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 48 |
| 24 | Nebular shock waves generated by planetesimals passing through Jovian resonances: Possible sites for chondrule formation. <i>Meteoritics and Planetary Science</i> , 2009, 44, 327-342. | 0.7 | 28 |
| 25 | Antipodal effects of lunar basin-forming impacts: Initial 3D simulations and comparisons with observations. <i>Icarus</i> , 2008, 193, 485-502. | 1.1 | 142 |
| 26 | A preliminary global map of the vector lunar crustal magnetic field based on Lunar Prospector magnetometer data. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 91 |
| 27 | Solar-QBO interaction and its impact on stratospheric ozone in a zonally averaged photochemical transport model of the middle atmosphere. <i>Journal of Geophysical Research</i> , 2007, 112, . | 3.3 | 51 |
| 28 | East-west trending magnetic anomalies in the Southern Hemisphere of Mars: Modeling analysis and interpretation. <i>Icarus</i> , 2007, 191, 113-131. | 1.1 | 20 |
| 29 | Solar induced variations of odd nitrogen: Multiple regression analysis of UARS HALOE data. <i>Geophysical Research Letters</i> , 2006, 33, . | 1.5 | 35 |
| 30 | Solar cycle variation of stratospheric ozone: Multiple regression analysis of long-term satellite data sets and comparisons with models. <i>Journal of Geophysical Research</i> , 2006, 111, . | 3.3 | 173 |
| 31 | Modeling of major martian magnetic anomalies: Further evidence for polar reorientations during the Noachian. <i>Icarus</i> , 2005, 177, 144-173. | 1.1 | 53 |
| 32 | Correlations between magnetic anomalies and surface geology antipodal to lunar impact basins. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 47 |
| 33 | Effects of solar UV variability on the stratosphere. <i>Geophysical Monograph Series</i> , 2004, , 283-303. | 0.1 | 81 |
| 34 | Evaluating planetesimal bow shocks as sites for chondrule formation. <i>Meteoritics and Planetary Science</i> , 2004, 39, 1809-1821. | 0.7 | 48 |
| 35 | The frequency of compound chondrules and implications for chondrule formation. <i>Meteoritics and Planetary Science</i> , 2004, 39, 531-544. | 0.7 | 48 |
| 36 | Correlation of a strong lunar magnetic anomaly with a high-albedo region of the Descartes mountains. <i>Geophysical Research Letters</i> , 2003, 30, . | 1.5 | 52 |

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|----|--|-----|-----------|
| 37 | Thermal response of the tropical tropopause region to solar ultraviolet variations. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a. | 1.5 | 20 |
| 38 | Quasi-Decadal Variability of the Tropical Lower Stratosphere: The Role of Extratropical Wave Forcing. <i>Journals of the Atmospheric Sciences</i> , 2003, 60, 2389-2403. | 0.6 | 57 |
| 39 | Demagnetization signatures of lunar impact craters. <i>Geophysical Research Letters</i> , 2002, 29, 23-1. | 1.5 | 36 |
| 40 | Possible solar modulation of the equatorial quasi-biennial oscillation: Additional statistical evidence. <i>Journal of Geophysical Research</i> , 2001, 106, 14855-14868. | 3.3 | 61 |
| 41 | Mapping and modeling of magnetic anomalies in the northern polar region of Mars. <i>Journal of Geophysical Research</i> , 2001, 106, 14601-14619. | 3.3 | 62 |
| 42 | Initial mapping and interpretation of lunar crustal magnetic anomalies using Lunar Prospector magnetometer data. <i>Journal of Geophysical Research</i> , 2001, 106, 27825-27839. | 3.3 | 187 |
| 43 | Mapping of crustal magnetic anomalies on the lunar near side by the Lunar Prospector electron reflectometer. <i>Journal of Geophysical Research</i> , 2001, 106, 27841-27852. | 3.3 | 132 |
| 44 | The scale size of chondrule formation regions: Constraints imposed by chondrule cooling rates. <i>Meteoritics and Planetary Science</i> , 2001, 36, 1571-1585. | 0.7 | 6 |
| 45 | Thermal processing of chondrule precursors in planetesimal bow shocks. <i>Meteoritics and Planetary Science</i> , 1998, 33, 97-107. | 0.7 | 71 |
| 46 | Stratospheric effects of 27-day solar ultraviolet variations: An analysis of UARS MLS ozone and temperature data. <i>Journal of Geophysical Research</i> , 1998, 103, 3629-3638. | 3.3 | 31 |
| 47 | The Origin of Chondrules at Jovian Resonances. <i>Science</i> , 1998, 279, 681-684. | 6.0 | 119 |
| 48 | Lunar Surface Magnetic Fields and Their Interaction with the Solar Wind: Results from Lunar Prospector. , 1998, 281, 1480-1484. | | 230 |
| 49 | Approximate separation of volcanic and 11-year signals in the SBUV-SBUV/2 total ozone record over the 1979-1995 Period. <i>Geophysical Research Letters</i> , 1997, 24, 2729-2732. | 1.5 | 30 |
| 50 | The solar cycle variation of total ozone: Dynamical forcing in the lower stratosphere. <i>Journal of Geophysical Research</i> , 1997, 102, 1355-1370. | 3.3 | 121 |
| 51 | Apparent solar cycle variations of upper stratospheric ozone and temperature: Latitude and seasonal dependences. <i>Journal of Geophysical Research</i> , 1996, 101, 20933-20944. | 3.3 | 103 |
| 52 | The Nebular Shock Wave Model for Chondrule Formation: One-Dimensional Calculations. <i>Icarus</i> , 1993, 106, 179-189. | 1.1 | 73 |
| 53 | Quasi-Decadal Variability of the Stratosphere: Influence of Long-Term Solar Ultraviolet Variations. <i>Journals of the Atmospheric Sciences</i> , 1993, 50, 3941-3958. | 0.6 | 127 |
| 54 | components of interannual ozone change based on NIMBUS 7 TOMS data. <i>Geophysical Research Letters</i> , 1992, 19, 2309-2312. | 1.5 | 44 |

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|----|--|-----|-----------|
| 55 | Formation of magnetic anomalies antipodal to lunar impact basins: Two-dimensional model calculations. <i>Journal of Geophysical Research</i> , 1991, 96, 9837-9846. | 3.3 | 77 |
| 56 | Stratospheric dynamical effects of solar ultraviolet variations: Evidence from zonal mean ozone and temperature data. <i>Journal of Geophysical Research</i> , 1991, 96, 7565-7577. | 3.3 | 29 |
| 57 | Mesospheric effects of solar ultraviolet variations: Further analysis of SME IR ozone and Nimbus 7 SAMS temperature data. <i>Journal of Geophysical Research</i> , 1991, 96, 12989-13002. | 3.3 | 33 |
| 58 | Magnetic field and remanent magnetization effects of basin-forming impacts on the Moon. <i>Geophysical Research Letters</i> , 1987, 14, 844-847. | 1.5 | 36 |
| 59 | Coupled stratospheric ozone and temperature responses to short-term changes in solar ultraviolet flux: An analysis of Nimbus 7 SBUV and SAMS data. <i>Journal of Geophysical Research</i> , 1986, 91, 5264-5276. | 3.3 | 95 |
| 60 | The deep lunar electrical conductivity profile: Structural and thermal inferences. <i>Journal of Geophysical Research</i> , 1982, 87, 5311-5326. | 3.3 | 80 |
| 61 | Contour maps of lunar remanent magnetic fields. <i>Journal of Geophysical Research</i> , 1981, 86, 1055-1069. | 3.3 | 50 |
| 62 | Lunar Magnetic Anomalies and Surface Optical Properties. <i>Science</i> , 1980, 208, 49-51. | 6.0 | 144 |