

James W Head

List of Publications by Year in descending order

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39
papers

2,374
citations

236925

25
h-index

315739

38
g-index

39
all docs

39
docs citations

39
times ranked

1579
citing authors

#	ARTICLE	IF	CITATIONS
1	Young lunar mare basalts in the Chang'e-5 sample return region, northern Oceanus Procellarum. <i>Earth and Planetary Science Letters</i> , 2021, 555, 116702.	4.4	88
2	The Long Sinuous Rille System in Northern Oceanus Procellarum and Its Relation to the Chang'e-5 Returned Samples. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092663.	4.0	22
3	Pre-Oriente Southwest Peak-Ring Basin: Gravity Structure, Geologic Characteristics, and Influence on Oriente Basin Ring Formation and Ejecta Emplacement. <i>Remote Sensing</i> , 2021, 13, 2635.	4.0	1
4	Mare Domes in Mare Tranquillitatis: Identification, Characterization, and Implications for Their Origin. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2021JE006888.	3.6	6
5	Magmatic intrusion-related processes in the upper lunar crust: The role of country rock porosity/permeability in magmatic percolation and thermal annealing, and implications for gravity signatures. <i>Planetary and Space Science</i> , 2020, 180, 104765.	1.7	6
6	Quantitative Characterization of Impact Crater Materials on the Moon: Changes in Topographic Roughness and Thermophysical Properties With Age. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006091.	3.6	9
7	GRAIL-identified gravity anomalies in Oceanus Procellarum: Insight into subsurface impact and magmatic structures on the Moon. <i>Icarus</i> , 2019, 331, 192-208.	2.5	20
8	The Apollo peak-ring impact basin: Insights into the structure and evolution of the South Pole-Aitken basin. <i>Icarus</i> , 2018, 306, 139-149.	2.5	14
9	Ring faults and ring dikes around the Oriente basin on the Moon. <i>Icarus</i> , 2018, 310, 1-20.	2.5	31
10	Lunar Oriente Impact Basin Secondary Craters: Spatial Distribution, Size-Frequency Distribution, and Estimation of Fragment Size. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1344-1367.	3.6	18
11	Reexamination of Early Lunar Chronology With GRAIL Data: Terranes, Basins, and Impact Fluxes. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1596-1617.	3.6	25
12	GRAIL gravity observations of the transition from complex crater to peak-ring basin on the Moon: Implications for crustal structure and impact basin formation. <i>Icarus</i> , 2017, 292, 54-73.	2.5	19
13	Gravity field of the Oriente basin from the Gravity Recovery and Interior Laboratory Mission. <i>Science</i> , 2016, 354, 438-441.	12.6	38
14	Gravitational search for cryptovolcanism on the Moon: Evidence for large volumes of early igneous activity. <i>Icarus</i> , 2016, 273, 284-295.	2.5	27
15	The formation of peak-ring basins: Working hypotheses and path forward in using observations to constrain models of impact-basin formation. <i>Icarus</i> , 2016, 273, 146-163.	2.5	42
16	Lunar impact basins revealed by Gravity Recovery and Interior Laboratory measurements. <i>Science Advances</i> , 2015, 1, e1500852.	10.3	173
17	Detecting volcanic resurfacing of heavily cratered terrain: Flooding simulations on the Moon using Lunar Orbiter Laser Altimeter (LOLA) data. <i>Planetary and Space Science</i> , 2013, 85, 24-37.	1.7	23
18	Ancient Igneous Intrusions and Early Expansion of the Moon Revealed by GRAIL Gravity Gradiometry. <i>Science</i> , 2013, 339, 675-678.	12.6	177

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19	Geology and petrology of enormous volumes of impact melt on the Moon: A case study of the Orientale basin impact melt sea. <i>Icarus</i> , 2013, 223, 749-765.	2.5	114
20	The transition from complex craters to multi-ring basins on the Moon: Quantitative geometric properties from Lunar Reconnaissance Orbiter Lunar Orbiter Laser Altimeter (LOLA) data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	40
21	Large impact basins on Mercury: Global distribution, characteristics, and modification history from MESSENGER orbital data. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	68
22	The transition from complex crater to peak-ring basin on the Moon: New observations from the Lunar Orbiter Laser Altimeter (LOLA) instrument. <i>Icarus</i> , 2011, 214, 377-393.	2.5	74
23	Global Distribution of Large Lunar Craters: Implications for Resurfacing and Impactor Populations. <i>Science</i> , 2010, 329, 1504-1507.	12.6	210
24	Increasing Antiviral Activity of Surfactant Protein D Trimers by Introducing Residues from Bovine Serum Collectins: Dissociation of Mannan-binding and Antiviral Activity. <i>Scandinavian Journal of Immunology</i> , 2010, 72, 22-30.	2.7	16
25	Monoclonal antibody-assisted structure-function analysis of the carbohydrate recognition domain of surfactant protein D. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 299, L384-L392.	2.9	8
26	Initial observations from the Lunar Orbiter Laser Altimeter (LOLA). <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	356
27	Recognition of Mannosylated Ligands and Influenza A Virus by Human Surfactant Protein D: Contributions of an Extended Site and Residue 343. <i>Biochemistry</i> , 2009, 48, 3335-3345.	2.5	56
28	Interaction of Recombinant Surfactant Protein D with Lipopolysaccharide: Conformation and Orientation of Bound Protein by IRRAS and Simulations. <i>Biochemistry</i> , 2008, 47, 8103-8113.	2.5	24
29	Recognition of Heptoses and the Inner Core of Bacterial Lipopolysaccharides by Surfactant Protein D. <i>Biochemistry</i> , 2008, 47, 710-720.	2.5	53
30	Critical Role of Arg/Lys343 in the Species-Dependent Recognition of Phosphatidylinositol by Pulmonary Surfactant Protein D. <i>Biochemistry</i> , 2007, 46, 5160-5169.	2.5	28
31	The cyst wall of <i>Entamoeba invadens</i> contains chitosan (deacetylated chitin). <i>Molecular and Biochemical Parasitology</i> , 2006, 148, 86-92.	1.1	44
32	Species Differences in the Carbohydrate Binding Preferences of Surfactant Protein D. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2006, 35, 84-94.	2.9	57
33	Contributions of Phenylalanine 335 to Ligand Recognition by Human Surfactant Protein D. <i>Journal of Biological Chemistry</i> , 2006, 281, 18008-18014.	3.4	30
34	The deep structure of lunar basins: Implications for basin formation and modification. <i>Journal of Geophysical Research</i> , 1985, 90, 3049-3064.	3.3	62
35	Stratigraphy and structural evolution of Southern Mare Serenitatis: A reinterpretation based on Apollo Lunar Sounder Experiment data. <i>Journal of Geophysical Research</i> , 1982, 87, 10983-10998.	3.3	55
36	Lava flooding of ancient planetary crusts: Geometry, thickness, and volumes of flooded lunar impact basins. <i>The Moon and the Planets</i> , 1982, 26, 61-88.	0.5	68

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37	Processes of lunar crater degradation: Changes in style with geologic time. <i>The Moon</i> , 1975, 12, 299-329.	0.4	82
38	Troponin C in brain. <i>Nature</i> , 1975, 258, 260-262.	27.8	42
39	Oriente multi-ringed basin interior and implications for the petrogenesis of lunar highland samples. <i>The Moon</i> , 1974, 11, 327-356.	0.4	148