

Chris H Okubo

List of Publications by Year in descending order

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45
papers

2,464
citations

186265

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254184

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docs citations

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times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	A Preliminary Regional Geomorphologic Map in Utopia Planitia of the Tianwen-1 Zhurong Landing Region. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094629.	4.0	14
2	The Colour and Stereo Surface Imaging System (CaSSIS) for the ExoMars Trace Gas Orbiter. <i>Space Science Reviews</i> , 2017, 212, 1897-1944.	8.1	111
3	Martian cave air-movement via Helmholtz resonance. <i>International Journal of Speleology</i> , 2017, 46, 439-444.	1.0	1
4	Pleistocene Lake Bonneville as an Analog for Extraterrestrial Lakes and Oceans. <i>Developments in Earth Surface Processes</i> , 2016, 20, 570-597.	2.8	3
5	Small edifice features in Chryse Planitia, Mars: Assessment of a mud volcano hypothesis. <i>Icarus</i> , 2016, 268, 56-75.	2.5	43
6	Morphologic evidence of subsurface sediment mobilization and mud volcanism in Candor and Coprates Chasmata, Valles Marineris, Mars. <i>Icarus</i> , 2016, 269, 23-37.	2.5	37
7	Atypical pit craters on Mars: New insights from THEMIS, CTX, and HiRISE observations. <i>Journal of Geophysical Research E: Planets</i> , 2015, 120, 1023-1043.	3.6	36
8	The central uplift of Ritchey crater, Mars. <i>Icarus</i> , 2015, 252, 255-270.	2.5	11
9	Brittle deformation and slope failure at the North Menan Butte tuff cone, Eastern Snake River Plain, Idaho. <i>Journal of Volcanology and Geothermal Research</i> , 2014, 278-279, 86-95.	2.1	4
10	Geologic Map of Kalaupapa Peninsula, Molokai, Hawaii, USA. <i>Journal of Maps</i> , 2012, 8, 267-270.	2.0	1
11	Spatial distribution of damage around faults in the Joe Lott Tuff Member of the Mount Belknap Volcanics, Utah: A mechanical analog for faulting in pyroclastic deposits on Mars. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	7
12	Constraints on mechanisms for the growth of gully alcoves in Gasa crater, Mars, from two-dimensional stability assessments of rock slopes. <i>Icarus</i> , 2011, 211, 207-221.	2.5	21
13	The indication of Martian gully formation processes by slope-area analysis. <i>Geological Society Special Publication</i> , 2011, 356, 171-201.	1.3	35
14	Utah's geologic and geomorphic analogs to Mars—An overview for planetary exploration. , 2011, , .		4
15	Evidence for debris flow gully formation initiated by shallow subsurface water on Mars. <i>Icarus</i> , 2010, 205, 103-112.	2.5	61
16	The High Resolution Imaging Science Experiment (HiRISE) during MRO's Primary Science Phase (PSP). <i>Icarus</i> , 2010, 205, 2-37.	2.5	153
17	Interpretation and analysis of planetary structures. <i>Journal of Structural Geology</i> , 2010, 32, 855-875.	2.3	71
18	Inverted channel deposits on the floor of Miyamoto crater, Mars. <i>Icarus</i> , 2010, 205, 64-72.	2.5	38

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19	Geomorphologic knobs of Candor Chasma, Mars: New Mars Reconnaissance Orbiter data and comparisons to terrestrial analogs. <i>Icarus</i> , 2010, 205, 138-153.	2.5	26
20	Structural geology of Amazonian-aged layered sedimentary deposits in southwest Candor Chasma, Mars. <i>Icarus</i> , 2010, 207, 210-225.	2.5	63
21	Porosity and grain size controls on compaction band formation in Jurassic Navajo Sandstone. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	90
22	Thin-skinned deformation of sedimentary rocks in Valles Marineris, Mars. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	25
23	Fault populations. , 2009, , 457-510.		6
24	Deformation band clusters on Mars and implications for subsurface fluid flow. <i>Bulletin of the Geological Society of America</i> , 2009, 121, 474-482.	3.3	47
25	Coregistration of Mars Orbiter Laser Altimeter (MOLA) topography with high-resolution Mars images. <i>Computers and Geosciences</i> , 2009, 35, 2304-2313.	4.2	5
26	Shallow radar (SHARAD) sounding observations of the Medusae Fossae Formation, Mars. <i>Icarus</i> , 2009, 199, 295-302.	2.5	102
27	Dielectric properties of lava flows west of Ascraeus Mons, Mars. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	57
28	North polar region of Mars: Advances in stratigraphy, structure, and erosional modification. <i>Icarus</i> , 2008, 196, 318-358.	2.5	198
29	Dependence of displacement-length scaling relations for fractures and deformation bands on the volumetric changes across them. <i>Journal of Structural Geology</i> , 2008, 30, 1405-1411.	2.3	185
30	Seasonally active frost-dust avalanches on a north polar scarp of Mars captured by HiRISE. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	48
31	Relative age of interior layered deposits in southwest Candor Chasma based on high-resolution structural mapping. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	44
32	A Closer Look at Water-Related Geologic Activity on Mars. <i>Science</i> , 2007, 317, 1706-1709.	12.6	185
33	Fracture-Controlled Paleo-Fluid Flow in Candor Chasma, Mars. <i>Science</i> , 2007, 315, 983-985.	12.6	77
34	Compactional deformation bands in Wingate Sandstone; additional evidence of an impact origin for Upheaval Dome, Utah. <i>Earth and Planetary Science Letters</i> , 2007, 256, 169-181.	4.4	33
35	Strength and deformability of light-toned layered deposits observed by MER Opportunity: Eagle to Erebus craters, Mars. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	24
36	Variability in Early Amazonian Tharsis stress state based on wrinkle ridges and strike-slip faulting. <i>Journal of Structural Geology</i> , 2006, 28, 2169-2181.	2.3	28

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37	Displacement-length scaling relations for faults on the terrestrial planets. <i>Journal of Structural Geology</i> , 2006, 28, 2182-2193.	2.3	96
38	Near-tip stress rotation and the development of deformation band stepover geometries in mode II. <i>Bulletin of the Geological Society of America</i> , 2006, 118, 343-348.	3.3	43
39	Evolution of damage zone geometry and intensity in porous sandstone: insight gained from strain energy density. <i>Journal of the Geological Society</i> , 2005, 162, 939-949.	2.1	60
40	Mechanical stratigraphy in the western equatorial region of Mars based on thrust fault-related fold topography and implications for near-surface volatile reservoirs. <i>Bulletin of the Geological Society of America</i> , 2004, 116, 594.	3.3	62
41	Rock mass strength and slope stability of the Hilina slump, Kilauea volcano, Hawaii. <i>Journal of Volcanology and Geothermal Research</i> , 2004, 138, 43-76.	2.1	46
42	Gridding Mars Orbiter Laser Altimeter data with GMT: effects of pixel size and interpolation methods on DEM integrity. <i>Computers and Geosciences</i> , 2004, 30, 59-72.	4.2	18
43	Igneous dikes on Mars revealed by Mars Orbiter Laser Altimeter topography. <i>Geology</i> , 2004, 32, 889.	4.4	74
44	Thrust fault vergence directions on Mars: A foundation for investigating global-scale Tharsis-driven tectonics. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	25
45	Pit crater formation on Kilauea volcano, Hawaii. <i>Journal of Volcanology and Geothermal Research</i> , 1998, 86, 1-18.	2.1	138