David C Humm

List of Publications by Year
in descending order

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		567247	677123
36	3,408	15	22
papers	citations	h-index	g-index

37	37	37	3288
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Satellite sensor requirements for monitoring essential biodiversity variables of coastal ecosystems. Ecological Applications, 2018, 28, 749-760.	3.8	116
2	A spaceborne visible-NIR hyperspectral imager for coastal phenology. Proceedings of SPIE, 2016, , .	0.8	1
3	Inflight Calibration of the Lunar Reconnaissance Orbiter Camera Wide Angle Camera. Space Science Reviews, 2016, 200, 393-430.	8.1	14
4	Flight Calibration of the LROC Narrow Angle Camera. Space Science Reviews, 2016, 200, 431-473.	8.1	23
5	Pre-flight and On-orbit Geometric Calibration of the Lunar Reconnaissance Orbiter Camera. Space Science Reviews, 2016, 200, 357-392.	8.1	25
6	Characterization of artifacts introduced by the empirical volcano-scan atmospheric correction commonly applied to CRISM and OMEGA near-infrared spectra. Icarus, 2016, 269, 111-121.	2.5	16
7	In-orbit multi-spectral image sharpness assessment for the Lunar Reconnaissance Orbiter Wide Angle Camera. , 2014, , .		2
8	A standardized approach for quantitative characterization of impact crater topography. Icarus, 2014, 241, 114-129.	2.5	19
9	A hematite-bearing layer in Gale Crater, Mars: Mapping and implications for past aqueous conditions. Geology, 2013, 41, 1103-1106.	4.4	113
10	Extensive MRO CRISM observations of 1.27 Î¼m O₂ airglow in Mars polar night and their comparison to MRO MCS temperature profiles and LMD GCM simulations. Journal of Geophysical Research, 2012, 117, .	3.3	51
11	Analysis of diskâ€resolved OMEGA and CRISM spectral observations of Phobos and Deimos. Journal of Geophysical Research, 2012, 117, .	3.3	52
12	Lunar Reconnaissance Orbiter Camera (LROC) Instrument Overview. Space Science Reviews, 2010, 150, 81-124.	8.1	730
13	Compact Reconnaissance Imaging Spectrometer for Mars investigation and data set from the Mars Reconnaissance Orbiter's primary science phase. Journal of Geophysical Research, 2009, 114, .	3.3	178
14	Hydrated silicate minerals on Mars observed by the Mars Reconnaissance Orbiter CRISM instrument. Nature, 2008, 454, 305-309.	27.8	630
15	MRO/CRISM Retrieval of Surface Lambert Albedos for Multispectral Mapping of Mars With DISORT-Based Radiative Transfer Modeling: Phase 1â€"Using Historical Climatology for Temperatures, Aerosol Optical Depths, and Atmospheric Pressures. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 4020-4040.	6.3	41
16	Compact Reconnaissance Imaging Spectrometer for Mars (CRISM) on Mars Reconnaissance Orbiter (MRO). Journal of Geophysical Research, 2007, 112, .	3.3	796
17	Compact reconnaissance imaging spectrometer for Mars (CRISM): characterization results for instrument and focal plane subsystems. , 2004, , .		2
18	The CONTOUR remote imager and spectrometer (CRISP). , 2004, 5163, 84.		0

#	Article	IF	Citations
19	CRISM (Compact Reconnaissance Imaging Spectrometer for Mars) on MRO (Mars Reconnaissance) Tj ETQq1 1 0.784314 rgBT /Overlo		18
20	GUVI: a hyperspectral imager for geospace. , 2004, , .		52
21	STARS: STellar Absorption and Refraction Sensor. , 2004, , .		1
22	CONTOUR forward imager on the Comet Nucleus Tour mission. , 2004, , .		1
23	Initial observations with the Global Ultraviolet Imager (GUVI) in the NASA TIMED satellite mission. Journal of Geophysical Research, 2003, 108, .	3.3	305
24	Advanced time-of-flight system-on-a-chip for remote sensing instruments. , 2003, , .		1
25	<title>STARS: the Stellar Absorption and Refraction Sensor</title>. , 2002, , .		4
26	<title>SCHOONERS: absorption and refraction of starlight from space for atmospheric profiles</title>. , 2000, 4125, 188.		0
27	Global ultraviolet imager (GUVI): measuring composition and energy inputs for the NASA Thermosphere Ionosphere Mesosphere Energetics and Dynamics (TIMED) mission. , 1999, 3756, 265.		98
28	<title>Optical calibration of the Global Ultraviolet Imager (GUVI)</title>. , 1999, 3818, 78.		3
29	<title>Performance of the wedge-and-strip microchannel plate detectors and electronics for the Global Ultraviolet Imager</title>. , 1999, 3765, 408.		12
30	<title>Design and performance of the Global Ultraviolet Imager (GUVI)</title>. , 1998, , .		19
31	The very high resolution spectrometer at the National Institute of Standards and Technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 347, 287-290.	1.6	3
32	Total photoabsorption cross section of molecular nitrogen near 83.4 nm. Journal of Geophysical Research, 1993, 98, 7799-7803.	3.3	8
33	Localized chaos in one-dimensional hydrogen. Physical Review A, 1990, 42, 1592-1600.	2.5	0
34	Classical chaos in one-dimensional hydrogen in strong dc electric fields. Physical Review A, 1989, 40, 3727-3735.	2.5	2
35	One-dimensional hydrogen in low-frequency radiation: Frequency-modulated hydrogen. Physical Review A, 1989, 40, 3736-3742.	2.5	2
36	Absolute spectrophotometry of Titan, Uranus, and Neptune: 30,500â€“10,500 Ã…. Icarus, 1984, 60, 221-235.	2.5	61