

Sebastian Hg Walter

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

427
citations

1040056

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1125743

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docs citations

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times ranked

732
citing authors

#	ARTICLE	IF	CITATIONS
1	The High Resolution Stereo Camera (HRSC) of Mars Express and its approach to science analysis and mapping for Mars and its satellites. <i>Planetary and Space Science</i> , 2016, 126, 93-138.	1.7	128
2	The cratering record, chronology and surface ages of (4) Vesta in comparison to smaller asteroids and the ages of HED meteorites. <i>Planetary and Space Science</i> , 2014, 103, 104-130.	1.7	80
3	Age determination of linear surface features using the Buffered Crater Counting approach – Case studies of the Sirenum and Fortuna Fossae graben systems on Mars. <i>Icarus</i> , 2015, 250, 384-394.	2.5	53
4	The various ages of Occator crater, Ceres: Results of a comprehensive synthesis approach. <i>Icarus</i> , 2019, 320, 60-82.	2.5	38
5	Massive stereo-based DTM production for Mars on cloud computers. <i>Planetary and Space Science</i> , 2018, 154, 30-58.	1.7	33
6	Morphology and formation ages of mid-sized post-Rheasilvia craters – Geology of quadrangle Tuccia, Vesta. <i>Icarus</i> , 2014, 244, 133-157.	2.5	27
7	Systematic processing of Mars Express HRSC panchromatic and colour image mosaics: Image equalisation using an external brightness reference. <i>Planetary and Space Science</i> , 2016, 121, 18-26.	1.7	21
8	A New South Polar Digital Terrain Model of Mars from the High-Resolution Stereo Camera (HRSC) onboard the ESA Mars Express. <i>Planetary and Space Science</i> , 2019, 174, 43-55.	1.7	15
9	The Web-Based Interactive Mars Analysis and Research System for HRSC and the iMars Project. <i>Earth and Space Science</i> , 2018, 5, 308-323.	2.6	10
10	Automatic Coregistration and orthorectification (ACRO) and subsequent mosaicing of NASA high-resolution imagery over the Mars MC11 quadrangle, using HRSC as a baseline. <i>Planetary and Space Science</i> , 2018, 151, 33-42.	1.7	9
11	The Cyborg Astrobiologist: testing a novelty detection algorithm on two mobile exploration systems at Rivas Vaciamadrid in Spain and at the Mars Desert Research Station in Utah. <i>International Journal of Astrobiology</i> , 2010, 9, 11-27.	1.6	6
12	The Cyborg Astrobiologist: matching of prior textures by image compression for geological mapping and novelty detection. <i>International Journal of Astrobiology</i> , 2014, 13, 191-202.	1.6	4
13	Bridging the Gap Between Geographical Information Systems and Planetary Virtual Observatory. <i>Earth and Space Science</i> , 2019, 6, 515-526.	2.6	1
14	EU-FP7-iMARS: ANALYSIS OF MARS MULTI-RESOLUTION IMAGES USING AUTO-COREGISTRATION, DATA MINING AND CROWD SOURCE TECHNIQUES: PROCESSED RESULTS – A FIRST LOOK. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLI-B4, 453-458.	0.2	1