

Ara Nefian

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

4,487
citations

567281

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h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

3533
citing authors

#	ARTICLE	IF	CITATIONS
1	Horizon line detection using supervised learning and edge cues. Computer Vision and Image Understanding, 2020, 191, 102879.	4.7	5
2	Crater Detection Using Unsupervised Algorithms and Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5373-5383.	6.3	19
3	On Crater Verification Using Mislocalized Crater Regions. , 2017, , .		4
4	Safeguarding a lunar rover with Wald's sequential probability ratio test. , 2016, , .		1
5	Fusion of edge-less and edge-based approaches for horizon line detection. , 2015, , .		8
6	An Edge-Less Approach to Horizon Line Detection. , 2015, , .		19
7	Evidence for indigenous nitrogen in sedimentary and aeolian deposits from the <i>Curiosity</i> rover investigations at Gale crater, Mars. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 4245-4250.	7.1	172
8	Coupling Dynamic Programming with Machine Learning for Horizon Line Detection. International Journal on Artificial Intelligence Tools, 2015, 24, 1540018.	1.0	8
9	Automatic Crater Detection Using Convex Grouping and Convolutional Neural Networks. Lecture Notes in Computer Science, 2015, , 213-224.	1.3	14
10	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1245267.	12.6	323
11	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1242777.	12.6	687
12	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1243480.	12.6	508
13	Mars's Surface Radiation Environment Measured with the Mars Science Laboratory's Curiosity Rover. Science, 2014, 343, 1244797.	12.6	475
14	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1244734.	12.6	246
15	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. Science, 2013, 341, 1238932.	12.6	327
16	Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. Science, 2013, 341, 1239505.	12.6	280
17	Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. Science, 2013, 341, 263-266.	12.6	327
18	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. Science, 2013, 341, 1238937.	12.6	367

#	ARTICLE	IF	CITATIONS
19	LIDAR to image coregistration on orbital data. , 2013, , .		1
20	Martian Fluvial Conglomerates at Gale Crater. Science, 2013, 340, 1068-1072.	12.6	326
21	The Petrochemistry of Jake_M: A Martian Mugearite. Science, 2013, 341, 1239463.	12.6	134
22	Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. Science, 2013, 341, 1238670.	12.6	215