

Ara Nefian

List of Publications by Year in descending order

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22
papers

4,487
citations

567281

15
h-index

794594

19
g-index

25
all docs

25
docs citations

25
times ranked

3533
citing authors

#	ARTICLE	IF	CITATIONS
1	A Habitable Fluvio-Lacustrine Environment at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1242777.	12.6	687
2	Mineralogy of a Mudstone at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1243480.	12.6	508
3	Marsâ€™™ Surface Radiation Environment Measured with the Mars Science Laboratoryâ€™™s Curiosity Rover. Science, 2014, 343, 1244797.	12.6	475
4	Volatile, Isotope, and Organic Analysis of Martian Fines with the Mars Curiosity Rover. Science, 2013, 341, 1238937.	12.6	367
5	X-ray Diffraction Results from Mars Science Laboratory: Mineralogy of Rocknest at Gale Crater. Science, 2013, 341, 1238932.	12.6	327
6	Abundance and Isotopic Composition of Gases in the Martian Atmosphere from the Curiosity Rover. Science, 2013, 341, 263-266.	12.6	327
7	Martian Fluvial Conglomerates at Gale Crater. Science, 2013, 340, 1068-1072.	12.6	326
8	Volatile and Organic Compositions of Sedimentary Rocks in Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1245267.	12.6	323
9	Curiosity at Gale Crater, Mars: Characterization and Analysis of the Rocknest Sand Shadow. Science, 2013, 341, 1239505.	12.6	280
10	Elemental Geochemistry of Sedimentary Rocks at Yellowknife Bay, Gale Crater, Mars. Science, 2014, 343, 1244734.	12.6	246
11	Soil Diversity and Hydration as Observed by ChemCam at Gale Crater, Mars. Science, 2013, 341, 1238670.	12.6	215
12	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
13	The Petrochemistry of Jake_M: A Martian Mugarite. Science, 2013, 341, 1239463.	12.6	134
14	An Edge-Less Approach to Horizon Line Detection. , 2015, , .		19
15	Crater Detection Using Unsupervised Algorithms and Convolutional Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 5373-5383.	6.3	19
16	Automatic Crater Detection Using Convex Grouping and Convolutional Neural Networks. Lecture Notes in Computer Science, 2015, , 213-224.	1.3	14
17	Fusion of edge-less and edge-based approaches for horizon line detection. , 2015, , .		8
18	Coupling Dynamic Programming with Machine Learning for Horizon Line Detection. International Journal on Artificial Intelligence Tools, 2015, 24, 1540018.	1.0	8

#	ARTICLE	IF	CITATIONS
19	Horizon line detection using supervised learning and edge cues. Computer Vision and Image Understanding, 2020, 191, 102879.	4.7	5
20	On Crater Verification Using Mislocalized Crater Regions. , 2017, , .		4
21	LIDAR to image coregistration on orbital data. , 2013, , .		1
22	Safeguarding a lunar rover with Wald's sequential probability ratio test. , 2016, , .		1