

# Hitesh G Changela

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2418641/publications.pdf>

Version: 2024-02-01

27  
papers

638  
citations

623734

14  
h-index

580821

25  
g-index

27  
all docs

27  
docs citations

27  
times ranked

800  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for interstellar origin of seven dust particles collected by the Stardust spacecraft. <i>Science</i> , 2014, 345, 786-791.	12.6	152
2	Widespread oxidized and hydrated amorphous silicates in CR chondrites matrices: Implications for alteration conditions and H <sub>2</sub> degassing of asteroids. <i>Earth and Planetary Science Letters</i> , 2015, 420, 162-173.	4.4	107
3	Bullet-shaped Magnetite Biomineralization Within a Magnetotactic Deltaproteobacterium: Implications for Magnetofossil Identification. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005680.	3.0	32
4	Final reports of the Stardust Interstellar Preliminary Examination. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1720-1733.	1.6	29
5	Hydrothermal evolution of the morphology, molecular composition, and distribution of organic matter in <sc>CR</sc> (Renazzo-type) chondrites. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1006-1029.	1.6	29
6	Extended X-ray Absorption Fine Structure (EXAFS) in Stardust tracks: Constraining the origin of ferric iron-bearing minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 98, 282-294.	3.9	24
7	Stardust Interstellar Preliminary Examination X: Impact speeds and directions of interstellar grains on the Stardust dust collector. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1680-1697.	1.6	24
8	Ancient geologic events on Mars revealed by zircons and apatites from the Martian regolith breccia <sc>NWA</sc> 7034. <i>Meteoritics and Planetary Science</i> , 2019, 54, 850-879.	1.6	24
9	Mars: new insights and unresolved questions. <i>International Journal of Astrobiology</i> , 2021, 20, 394-426.	1.6	19
10	Stardust Interstellar Preliminary Examination <sc>II</sc>: Curating the interstellar dust collector, picrokeystones, and sources of impact tracks. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1522-1547.	1.6	18
11	Stardust Interstellar Preliminary Examination <sc>IV</sc>: Scanning transmission X-ray microscopy analyses of impact features in the Stardust Interstellar Dust Collector. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1562-1593.	1.6	18
12	Stardust Interstellar Preliminary Examination <sc>XI</sc>: Identification and elemental analysis of impact craters on Al foils from the Stardust Interstellar Dust Collector. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1698-1719.	1.6	16
13	Stardust Interstellar Preliminary Examination I: Identification of tracks in aerogel. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1509-1521.	1.6	16
14	Astrobiology of life on Earth. <i>Environmental Microbiology</i> , 2021, 23, 3335-3344.	3.8	16
15	Stardust Interstellar Preliminary Examination <sc>VII</sc>: Synchrotron X-ray fluorescence analysis of six Stardust interstellar candidates measured with the Advanced Photon Source 2-ID microprobe. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1626-1644.	1.6	13
16	Stardust Interstellar Preliminary Examination VIII: Identification of crystalline material in two interstellar candidates. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1645-1665.	1.6	12
17	Stardust Interstellar Preliminary Examination <sc>VI</sc>: Quantitative elemental analysis by synchrotron X-ray fluorescence nanoimaging of eight impact features in aerogel. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1612-1625.	1.6	12
18	Stardust Interstellar Preliminary Examination V: <sc>XRF</sc> analyses of interstellar dust candidates at <sc>ESRF ID</sc> 13. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1594-1611.	1.6	12

#	ARTICLE	IF	CITATIONS
19	Stardust Interstellar Preliminary Examination <scp>III</scp>: Infrared spectroscopic analysis of interstellar dust candidates. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1548-1561.	1.6	12
20	Discovery of coesite from the martian shergottite Northwest Africa 8657. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 286, 404-417.	3.9	11
21	Coordinated Microanalyses of Seven Particles of Probable Interstellar Origin from the Stardust Mission.. <i>Microscopy and Microanalysis</i> , 2014, 20, 1692-1693.	0.4	9
22	Submicron spatial resolution Pb&#x2013;Pb and U&#x2013;Pb dating by using a NanoSIMS equipped with the new radio-frequency ion source. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 1625-1633.	3.0	9
23	Volatiles in the martian crust and mantle: Clues from the NWA 6162 shergottite. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115902.	4.4	7
24	Mars: new insights and unresolved questions &#x201c; Corrigendum. <i>International Journal of Astrobiology</i> , 2022, 21, 46-46.	1.6	7
25	NanoSIMS measurements of sub&#x2013;micrometer particles using the local thresholding technique. <i>Surface and Interface Analysis</i> , 2020, 52, 234-239.	1.8	5
26	Morphological study of Insoluble Organic Matter from carbonaceous chondrites: Correlation with petrologic grade. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 159, 285-297.	3.9	3
27	Early sulfur&#x2013;rich magmatism on the ungrouped achondrite Northwest Africa 7325 differentiated parent body. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1951-1978.	1.6	2