

# Simone De Angelis

## List of Publications by Year in descending order

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27  
papers

296  
citations

1040056

9  
h-index

888059

17  
g-index

35  
all docs

35  
docs citations

35  
times ranked

459  
citing authors

#	ARTICLE	IF	CITATIONS
1	VIS-IR spectroscopy of magnesium chlorides at cryogenic temperatures. <i>Icarus</i> , 2022, 373, 114756.	2.5	4
2	Visible and near-InfraRed (VNIR) reflectance of silicate glasses: Characterization of a featureless spectrum and implications for planetary geology. <i>Icarus</i> , 2022, 374, 114801.	2.5	10
3	Exploring the Shallow Subsurface of Mars with the Ma_MISS Spectrometer on the ExoMars Rover Rosalind Franklin. <i>Planetary Science Journal</i> , 2022, 3, 142.	3.6	9
4	Temperature-dependent, VIS-NIR reflectance spectroscopy of sodium sulfates. <i>Icarus</i> , 2021, 357, 114165.	2.5	7
5	High-Temperature VIS-IR Spectroscopy of NH <sub>4</sub> -Phyllosilicates. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006696.	3.6	6
6	Laboratory Investigations Coupled to VIR/Dawn Observations to Quantify the Large Concentrations of Organic Matter on Ceres. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 719.	2.0	6
7	Subsurface Thermal Modeling of Oxia Planum, Landing Site of ExoMars 2022. <i>Advances in Astronomy</i> , 2021, 2021, 1-10.	1.1	3
8	PROSPECTING the Moon: Numerical simulations of temperature and sublimation rate of a cylindric sample. <i>Planetary and Space Science</i> , 2019, 169, 8-14.	1.7	9
9	NIR reflectance spectroscopy of hydrated and anhydrous sodium carbonates at different temperatures. <i>Icarus</i> , 2019, 317, 388-411.	2.5	18
10	Reflectance spectroscopy of ammonium-bearing phyllosilicates. <i>Icarus</i> , 2019, 321, 522-530.	2.5	17
11	Ma_MISS Flight Model Calibration Target: Spectral Characterization. , 2018, , .		1
12	Design, development, and testing of an environmental P-T cell for infrared spectroscopy measurements. <i>Review of Scientific Instruments</i> , 2018, 89, 103107.	1.3	2
13	Ma_MISS on ExoMars: Mineralogical Characterization of the Martian Subsurface. <i>Astrobiology</i> , 2017, 17, 612-620.	3.0	62
14	Application of spectral linear mixing to rock slabs analyses at various scales using Ma_Miss BreadBoard instrument. <i>Planetary and Space Science</i> , 2017, 144, 1-15.	1.7	11
15	A fiery birth of aluminosilica analogs of refractory dust in the upper stratosphere. <i>Advances in Space Research</i> , 2017, 60, 2091-2098.	2.6	1
16	Temperature-dependent VNIR spectroscopy of hydrated Mg-sulfates. <i>Icarus</i> , 2017, 281, 444-458.	2.5	16
17	Microimaging VIS-IR spectroscopy of ancient volcanic rocks as Mars analogues. <i>Earth and Space Science</i> , 2016, 3, 268-281.	2.6	3
18	VIS-IR study of brucite-clay-carbonate mixtures: Implications for Ceres surface composition. <i>Icarus</i> , 2016, 280, 315-327.	2.5	11

#	ARTICLE	IF	CITATIONS
19	A core dynamo in Vesta?. Monthly Notices of the Royal Astronomical Society, 2016, 458, 695-707.	4.4	6
20	The spectral imaging facility: Setup characterization. Review of Scientific Instruments, 2015, 86, 093101.	1.3	9
21	Testing the ability of the ExoMars 2018 payload to document geological context and potential habitability on Mars. Planetary and Space Science, 2015, 108, 87-97.	1.7	41
22	The Ma_Miss instrument performance, II: Band parameters of rocks powders spectra by Martian VNIR spectrometer. Planetary and Space Science, 2015, 117, 329-344.	1.7	6
23	The Ma_Miss instrument performance, I: Analysis of rocks powders by Martian VNIR spectrometer. Planetary and Space Science, 2014, 101, 89-107.	1.7	18
24	The SPectral IMaging (SPIM) facility in support of hyperspectral observations of solar system bodies: Preliminary characterization. , 2014, , .		0
25	The SPectral IMaging (SPIM) facility in support of hyperspectral observations of solar system bodies. , 2013, , .		0
26	In Situ Collection of Refractory Dust in the Upper Stratosphere: The DUSTER Facility. Space Science Reviews, 2012, 169, 159-180.	8.1	15
27	Raman Microspectroscopy Performed on Extraterrestrial Particles. Spectroscopy Letters, 2011, 44, 549-553.	1.0	5