

# Batiste Rousseau

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

676  
citations

840776

11  
h-index

794594

19  
g-index

30  
all docs

30  
docs citations

30  
times ranked

867  
citing authors

#	ARTICLE	IF	CITATIONS
1	Macro and micro structures of pebble-made cometary nuclei reconciled by seasonal evolution. <i>Nature Astronomy</i> , 2022, 6, 546-553.	10.1	20
2	Mars Crater Database: A participative project for the classification of the morphological characteristics of large Martian craters. , 2021, , 629-644.		5
3	The surface of (4) Vesta in visible light as seen by Dawn/VIR. <i>Astronomy and Astrophysics</i> , 2021, 653, A118.	5.1	1
4	Organic Material on Ceres: Insights from Visible and Infrared Space Observations. <i>Life</i> , 2021, 11, 9.	2.4	12
5	VIS-IR Spectroscopy of Mixtures of Water Ice, Organic Matter, and Opaque Mineral in Support of Small Body Remote Sensing Observations. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1222.	2.0	4
6	Fresh emplacement of hydrated sodium chloride on Ceres from ascending salty fluids. <i>Nature Astronomy</i> , 2020, 4, 786-793.	10.1	60
7	Ammonium salts are a reservoir of nitrogen on a cometary nucleus and possibly on some asteroids. <i>Science</i> , 2020, 367, .	12.6	115
8	Ceres observed at low phase angles by VIR-Dawn. <i>Astronomy and Astrophysics</i> , 2020, 634, A39.	5.1	8
9	Infrared detection of aliphatic organics on a cometary nucleus. <i>Nature Astronomy</i> , 2020, 4, 500-505.	10.1	41
10	The surface of (1) Ceres in visible light as seen by Dawn/VIR. <i>Astronomy and Astrophysics</i> , 2020, 642, A74.	5.1	8
11	Correction of the VIR-visible dataset from the Dawn mission at Vesta. <i>Review of Scientific Instruments</i> , 2020, 91, 123102.	1.3	3
12	Hydroxylated Mg-rich Amorphous Silicates: A New Component of the 3.2 $\mu$ m Absorption Band of Comet 67P/Churyumov-Gerasimenko. <i>Astrophysical Journal Letters</i> , 2020, 897, L37.	8.3	12
13	The changing temperature of the nucleus of comet 67P induced by morphological and seasonal effects. <i>Nature Astronomy</i> , 2019, 3, 649-658.	10.1	34
14	Correction of the VIR-visible data set from the Dawn mission. <i>Review of Scientific Instruments</i> , 2019, 90, 123110.	1.3	9
15	VESPA: A community-driven Virtual Observatory in Planetary Science. <i>Planetary and Space Science</i> , 2018, 150, 65-85.	1.7	28
16	Laboratory simulations of the Vis-NIR spectra of comet 67P using sub- $\mu$ m sized cosmochemical analogues. <i>Icarus</i> , 2018, 306, 306-318.	2.5	23
17	Mapping polar atmospheric features on Titan with VIMS: From the dissipation of the northern cloud to the onset of a southern polar vortex. <i>Icarus</i> , 2018, 311, 371-383.	2.5	20
18	Detection of exposed H <sub>2</sub> O ice on the nucleus of comet 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2016, 595, A102.	5.1	67

#	ARTICLE	IF	CITATIONS
19	Refractory and semi-volatile organics at the surface of comet 67P/Churyumov-Gerasimenko: Insights from the VIRTIS/Rosetta imaging spectrometer. <i>Icarus</i> , 2016, 272, 32-47.	2.5	127
20	The global surface composition of 67P/CG nucleus by Rosetta/VIRTIS. (I) Prelanding mission phase. <i>Icarus</i> , 2016, 274, 334-349.	2.5	54
21	The temporal evolution of exposed water ice-rich areas on the surface of 67P/Churyumov-Gerasimenko: spectral analysis. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stw3281.	4.4	13
22	and seasonal variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , stw3177.	4.4	10
23	Spectroscopic study of Ceres' collisional family candidates. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	2