

# Bastian Gundlach

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11710710/publications.pdf>

Version: 2024-02-01

13  
papers

566  
citations

1040056

9  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

889  
citing authors

#	ARTICLE	IF	CITATIONS
1	Are there any pristine comets? Constraints from pebble structure. Monthly Notices of the Royal Astronomical Society, 2022, 514, 3366-3394.	4.4	8
2	Sublimation of ice-dust mixtures in cooled vacuum environments to reproduce cometary morphologies. Astronomy and Astrophysics, 2021, 649, A35.	5.1	10
3	Sublimation of organic-rich comet analog materials and their relevance in fracture formation. Astronomy and Astrophysics, 2021, 653, A153.	5.1	1
4	Thermal properties of lunar regolith simulant melting specimen. Acta Astronautica, 2021, 187, 429-437.	3.2	8
5	The Philae lander reveals low-strength primitive ice inside cometary boulders. Nature, 2020, 586, 697-701.	27.8	40
6	Effect of radiative heat transfer in porous comet nuclei: case study of 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2019, 630, A5.	5.1	17
7	Asteroid Ryugu before the Hayabusa2 encounter. Progress in Earth and Planetary Science, 2018, 5, .	3.0	39
8	Evidence for the formation of comet 67P/Churyumov-Gerasimenko through gravitational collapse of a bound clump of pebbles. Monthly Notices of the Royal Astronomical Society, 2017, 469, S755-S773.	4.4	146
9	Laboratory Studies Towards Understanding Comets. , 2017, , 101-150.		0
10	Laboratory Studies Towards Understanding Comets. Space Science Reviews, 2015, 197, 101-150.	8.1	18
11	A new method to determine the grain size of planetary regolith. Icarus, 2013, 223, 479-492.	2.5	160
12	Micrometer-sized ice particles for planetary-science experiments – II. Bidirectional reflectance. Icarus, 2013, 225, 352-366.	2.5	22
13	Outgassing of icy bodies in the Solar System – II: Heat transport in dry, porous surface dust layers. Icarus, 2012, 219, 618-629.	2.5	97