Johan Silen

List of Publications by Year in descending order

19 papers	747 citations	758635 12 h-index	887659 17 g-index
19 all docs	19 docs citations	19 times ranked	1031 citing authors

#	Article	IF	Citations
1	Carbon-rich dust in comet 67P/Churyumov-Gerasimenko measured by COSIMA/Rosetta. Monthly Notices of the Royal Astronomical Society, 2017, 469, S712-S722.	1.6	177
2	Comet 67P/Churyumov-Gerasimenko sheds dust coat accumulated over the past four years. Nature, 2015, 518, 216-218.	13.7	144
3	High-molecular-weight organic matter in the particles of comet 67P/Churyumovâ€“Gerasimenko. Nature, 2016, 538, 72-74.	13.7	124
4	A first assessment of the strength of cometary particles collected in-situ by the COSIMA instrument onboard ROSETTA. Planetary and Space Science, 2016, 133, 63-75.	0.9	65
5	Dust particle flux and size distribution in the coma of 67P/Churyumov-Gerasimenko measured in situ by the COSIMA instrument on board Rosetta. Astronomy and Astrophysics, 2016, 596, A87.	2.1	59
6	Nitrogen-to-carbon atomic ratio measured by COSIMA in the particles of comet 67P/Churyumovâ€“Gerasimenko. Monthly Notices of the Royal Astronomical Society, 2017, 469, S506-S516.	1.6	49
7	Variations in cometary dust composition fromGiottotoRosetta, clues to their formation mechanisms. Monthly Notices of the Royal Astronomical Society, 2016, 462, S323-S330.	1.6	28
8	KNN classification â€" evaluated by repeated double cross validation: Recognition of minerals relevant for comet dust. Chemometrics and Intelligent Laboratory Systems, 2014, 138, 64-71.	1.8	23
9	Mechanical and electrostatic experiments with dust particles collected in the inner coma of comet 67P by COSIMA onboard Rosetta. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160255.	1.6	19
10	COSIMA-Rosetta calibration for in situ characterization of 67P/Churyumovâ€“Gerasimenko cometary inorganic compounds. Planetary and Space Science, 2015, 117, 35-44.	0.9	15
11	Chemometric evaluation of time-of-flight secondary ion mass spectrometry data of minerals in the frame of futurein situ analyses of cometary material by COSIMA onboard ROSETTA. Rapid Communications in Mass Spectrometry, 2006, 20, 1361-1368.	0.7	13
12	Random projection for dimensionality reductionâ€"Applied to time-of-flight secondary ion mass spectrometry data. Analytica Chimica Acta, 2011, 705, 48-55.	2.6	13
13	Random projections in reducing the dimensionality of climate simulation data. Tellus, Series A: Dynamic Meteorology and Oceanography, 2014, 66, 25274.	0.8	8
14	Randomised multichannel singular spectrum analysis of the 20th century climate data. Tellus, Series A: Dynamic Meteorology and Oceanography, 2015, 67, 28876.	0.8	5
15	Electrical properties of cometary dust particles derived from line shapes of TOF-SIMS spectra measured by the ROSETTA/COSIMA instrument. Planetary and Space Science, 2020, 182, 104758.	0.9	2
16	The 34S/32S Isotopic Ratio Measured in the Dust of Comet 67P/Churyumov-Gerasimenko by Rosetta/COSIMA. Monthly Notices of the Royal Astronomical Society, 0, , .	1.6	1
17	Significance of variables for discrimination: Applied to the search of organic ions in mass spectra measured on cometary particles. Journal of Chemometrics, 2018, 32, e3001.	0.7	1
18	Multi-annual modes in the 20th century temperature variability in reanalyses and CMIP5 models. Geoscientific Model Development, 2016, 9, 4097-4109.	1.3	1

#	Article	IF	Citations
19	Composition of cometary particles collected during two periods of the Rosetta mission: multivariate evaluation of mass spectral data. Journal of Chemometrics, 2020, 34, e3218.	0.7	0