

Konrad J Kossacki

List of Publications by Year in descending order

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papers

681
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567281

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docs citations

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547
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling the global carbon cycle for the past and future evolution of the earth system. <i>Chemical Geology</i> , 1999, 159, 305-317.	3.3	60
2	Sublimation coefficient of water ice under simulated cometary-like conditions. <i>Planetary and Space Science</i> , 1999, 47, 1521-1530.	1.7	52
3	Hiding Titan's ocean: densification and hydrocarbon storage in an icy regolith. <i>Planetary and Space Science</i> , 1996, 44, 1029-1037.	1.7	45
4	Temperature dependence of the sublimation rate of water ice: Influence of impurities. <i>Icarus</i> , 2014, 233, 101-105.	2.5	44
5	The influence of grain sintering on the thermoconductivity of porous ice. <i>Planetary and Space Science</i> , 1994, 42, 383-389.	1.7	40
6	Seasonal melting of surface water ice condensing in martian gullies. <i>Icarus</i> , 2004, 171, 272-283.	2.5	40
7	Activity of Comet 29P/Schwassmann-Wachmann 1. <i>Icarus</i> , 2013, 225, 111-121.	2.5	32
8	Comet 67P/Churyumov-Gerasimenko: Hardening of the sub-surface layer. <i>Icarus</i> , 2015, 260, 464-474.	2.5	28
9	Comet 9P/Tempel 1: Sublimation beneath the dust cover. <i>Icarus</i> , 2008, 195, 705-724.	2.5	23
10	Comet 17P/Holmes: Possibility of a CO driven explosion. <i>Icarus</i> , 2011, 212, 847-857.	2.5	23
11	Long-term evolution of the global carbon cycle: historic minimum of global surface temperature at present. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 54, 325.	1.6	22
12	Comet 67P/Churyumov-Gerasimenko: Modeling of orientation and structure. <i>Planetary and Space Science</i> , 2006, 54, 15-27.	1.7	20
13	Non-uniform seasonal defrosting of subpolar dune field on Mars. <i>Icarus</i> , 2004, 168, 201-204.	2.5	17
14	Comet 67p/Churyumov-Gerasimenko, possible origin of the depression Hatmehit. <i>Icarus</i> , 2018, 305, 1-14.	2.5	17
15	Metamorphism of Solar System Ices. <i>Astrophysics and Space Science Library</i> , 1998, , 119-138.	2.7	17
16	Sublimation of cometary ices in the presence of organic volatiles. <i>Icarus</i> , 2017, 294, 227-233.	2.5	15
17	Surface temperature of Martian regolith with polygonal features: influence of the subsurface water ice. <i>Planetary and Space Science</i> , 2003, 51, 569-580.	1.7	13
18	Evolution of depressions on Comet 67P/Churyumov-Gerasimenko: Role of ice metamorphism. <i>Icarus</i> , 2006, 184, 221-238.	2.5	12

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19	Possible remnants of a frozen mud lake in southern Elysium, Mars. <i>Icarus</i> , 2006, 181, 363-374.	2.5	12
20	Thermal convection in the porous methane-soaked regolith of Titan: Investigation of stability. <i>Icarus</i> , 2009, 202, 599-606.	2.5	12
21	Crystallization of ice in Comet 17P/Holmes: Probably not responsible for the explosive 2007 megaburst. <i>Icarus</i> , 2010, 207, 320-340.	2.5	12
22	Long-term evolution of the global carbon cycle: historic minimum of global surface temperature at present. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2002, 54, 325-343.	1.6	9
23	Thermal convection in the porous methane-soaked regolith in Titan: Finite amplitude convection. <i>Icarus</i> , 2012, 217, 130-143.	2.5	9
24	Seasonal flows on dark martian slopes, thermal condition for liquescence of salts. <i>Icarus</i> , 2014, 233, 126-130.	2.5	9
25	Sublimation of buried cometary ice. <i>Icarus</i> , 2019, 329, 72-78.	2.5	9
26	Effect of surface roughness on ice distribution in the south subpolar region of Mars. <i>Planetary and Space Science</i> , 2001, 49, 437-445.	1.7	8
27	Comet 67P/CG: Influence of the sublimation coefficient on the temperature and outgassing. <i>Icarus</i> , 2013, 224, 172-177.	2.5	8
28	Sublimation of porous granular ice in vacuum. <i>Icarus</i> , 2021, 368, 114613.	2.5	8
29	The evolution of exposed ice in a fresh mid-latitude crater on Mars. <i>Icarus</i> , 2011, 211, 195-206.	2.5	7
30	Main Belt Comet P/2008 R1 Garradd: Duration of activity. <i>Icarus</i> , 2012, 217, 66-76.	2.5	7
31	Comets, sliding of surface dust II. <i>Icarus</i> , 2022, 379, 114946.	2.5	7
32	Small-scale trench in the north polar region of Mars: Evolution of surface frost and ground ice concentration. <i>Icarus</i> , 2009, 199, 75-85.	2.5	6
33	Interfacial liquid water on Mars and its potential role in formation of hill and dune gullies. <i>Icarus</i> , 2010, 210, 83-91.	2.5	6
34	Comet 9P/Tempel 1: Evolution of the surface. <i>Icarus</i> , 2015, 245, 348-354.	2.5	6
35	Sublimation of cometary ices in the presence of organic volatiles II. <i>Icarus</i> , 2019, 319, 470-475.	2.5	6
36	Comets, sliding of surface dust. <i>Icarus</i> , 2020, 348, 113781.	2.5	6

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37	Activity of Comet C/2006 W3 Christensen. <i>Icarus</i> , 2015, 250, 595-601.	2.5	4
38	Influence of landslides on the erosion of slopes on comet 9P/Tempel 1: Laboratory experiments and numerical simulations. <i>Icarus</i> , 2020, 340, 113529.	2.5	4
39	Comet 67P/Churyumov-Gerasimenko, location of pristine material?. <i>Planetary and Space Science</i> , 2016, 125, 96-104.	1.7	2
40	Local activity of comets: an indicator of non-uniform composition. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2050-2055.	4.4	2
41	Sublimation-driven evolution of the local radius and the moment of inertia of a long-period comet. <i>Acta Geophysica</i> , 2009, 57, 509-535.	2.0	1
42	The evolution of gently sloping mantled deposits on Comet 67P/Churyumov-Gerasimenko. <i>Icarus</i> , 2019, 319, 381-391.	2.5	1
43	Dynamics of material ejected from the Hatmehit depression and landslides on comet 67P/Churyumov-Gerasimenko. <i>Planetary and Space Science</i> , 2021, 209, 105358.	1.7	0
44	Comet 46P/Wirtanen: The Influence of Grain Sintering on the Evolution Layer. , 1999, , 309-313.		0
45	Depression Formation On Comet 67P/Churyumov-Gerasimenko. , 2018, , .		0