Keld R Rasmussen

List of Publications by Year
in descending order

42	1,737	218677	276875
papers	citations	26 h-index	41 g-index

42	42	42	1374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A lower-than-expected saltation threshold at Martian pressure and below. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	29
2	Estimating groundwater discharge to a lowland alluvial stream using methods at point-, reach-, and catchment-scale. Journal of Hydrology, 2018, 564, 836-845.	5.4	12
3	A direct comparison of EMI data and borehole data on a 1000 ha data set. Geoderma, 2017, 303, 188-195.	5.1	14
4	Bursts in discontinuous Aeolian saltation. Scientific Reports, 2015, 5, 11109.	3.3	42
5	The physics of Aeolian sand transport. Comptes Rendus Physique, 2015, 16, 105-117.	0.9	52
6	Laboratory studies of aeolian sediment transport processes on planetary surfaces. Geomorphology, 2015, 244, 74-94.	2.6	57
7	An Environmental Wind Tunnel Facility for Testing Meteorological Sensor Systems. Journal of Atmospheric and Oceanic Technology, 2014, 31, 447-457.	1.3	35
8	Saltation threshold for pyroclasts at various bedslopes: Wind tunnel measurements. Journal of Volcanology and Geothermal Research, 2014, 278-279, 14-24.	2.1	33
9	Flow and form. Nature Geoscience, 2012, 5, 164-165.	12.9	1
10	The interaction between the unsaturated zone, aquifer, and stream during a period of groundwater withdrawal. Journal of Hydrology, 2011, 396, 49-60.	5.4	4
11	Evaluating the salinity distribution of a shallow coastal aquifer by vertical multielectrode profiling (Denmark). Hydrogeology Journal, 2010, 18, 161-171.	2.1	41
12	On the use of analytical solutions to design pumping tests in leaky aquifers connected to a stream. Journal of Hydrology, 2010, 381, 341-351.	5.4	8
13	Optimal design of pumping tests in leaky aquifers for stream depletion analysis. Journal of Hydrology, 2009, 375, 554-565.	5.4	9
14	Enhancement in wind-driven sand transport by electric fields. Planetary and Space Science, 2009, 57, 804-808.	1.7	45
15	Saltating particles in a turbulent boundary layer: experiment and theory. Journal of Fluid Mechanics, 2009, 625, 47-74.	3.4	175
16	An environmental simulation wind tunnel for studying Aeolian transport on mars. Planetary and Space Science, 2008, 56, 426-437.	1.7	54
17	Vertical variation of particle speed and flux density in aeolian saltation: Measurement and modeling. Journal of Geophysical Research, 2008, 113, .	3.3	87
18	Logging in deep water wells in central Jutland, Denmark. Boreas, 2008, 16, 393-404.	2.4	1

#	Article	IF	Citations
19	Barchan dune mobility in Mauritania related to dune and interdune sand fluxes. Journal of Geophysical Research, 2007, 112, .	3.3	38
20	Determination of the wind induced detachment threshold for granular material on Mars using wind tunnel simulations. Icarus, 2007, 191, 568-580.	2.5	78
21	Quantification and regionalization of groundwaterâ€“surface water interaction along an alluvial stream. Journal of Hydrology, 2006, 320, 342-358.	5.4	62
22	Groundwater recharge and evapotranspiration for two natural ecosystems covered with oak and heather. Journal of Hydrology, 2005, 300, 76-99.	5.4	40
23	Comment on â€œSensitivity analysis and determination of streambed leakance and aquifer hydraulic propertiesâ€•by X. Chen and X. Chen. Journal of Hydrology, 2005, 303, 316-321.	5.4	1
24	A miniature laser anemometer for measurement of wind speed and dust suspension on Mars. Planetary and Space Science, 2004, 52, 1177-1186.	1.7	17
25	Estimation of stream flow depletion and uncertainty from discharge measurements in a small alluvial stream. Journal of Hydrology, 2003, 274, 129-144.	5.4	33
26	Capture of magnetic dust in a simulated Martian aerosol: the importance of aerodynamics. Planetary and Space Science, 2002, 50, 371-374.	1.7	11
27	Flow Depletion in a Small Stream Caused by Ground Water Abstraction from Wells. Ground Water, 2002, 40, 425-437.	1.3	55
28	Effects of a heather beetle attack on soil moisture and water balance at a Danish heathland. Plant and Soil, 2001, 229, 147-158.	3.7	6
29	On the Estimation of Stream Flow Depletion Parameters by Drawdown Analysis. Ground Water, 2000, 38, 726-734.	1.3	33
30	The effect of wind speed and bed slope on sand transport. Sedimentology, 1999, 46, 723-731.	3.1	161
31	Aeolian mass transport near the saltation threshold. Earth Surface Processes and Landforms, 1999, 24, 413-422.	2.5	44
32	Prediction of Regional Ground Water Flow to Streams. Ground Water, 1998, 36, 351-360.	1.3	29
33	Atmospheric ammonia exchange on a heathland in Denmark. Atmospheric Environment, 1998, 32, 461-464.	4.1	15
34	On the efficiency of vertical array aeolian field traps. Sedimentology, 1998, 45, 789-800.	3.1	73
35	Applications of spaceborne radar laboratory data to the study of aeolian processes. Journal of Geophysical Research, 1997, 102, 10971-10983.	3.3	57
36	Saltation and wind-flow interaction in a variable slope wind tunnel. Geomorphology, 1996, 17, 19-28.	2.6	65

#	Article	IF	Citations
37	Potential Transport of Windblown Sand: Influence of Surface Roughness and Assessment with Radar Data. , 1995, , 75-99.		14
38	The effect of surface slope on saltation threshold. Sedimentology, 1994, 41, 721-728.	3.1	117
39	Hydrological Model for the Tude Ã... Catchment. Hydrology Research, 1994, 25, 145-166.	2.7	13
40	The effect of a roughness element on local saltation transport. Journal of Wind Engineering and Industrial Aerodynamics, 1990, 36, 845-854.	3.9	27
41	Effects of iron compounds on macroinvertebrate communities in a Danish lowland river system. Water Research, 1988, 22, 1101-1108.	11.3	45
42	Some Errors in Precipitation Measurements. Hydrology Research, 1978, 9, 145-160.	2.7	4