Andrew G Klein

List of Publications by Year
in descending order

40 papers	1,882 citations	331670 21 h-index	345221 36 g-index
46 all docs	46 docs citations	46 times ranked	2209 citing authors

#	Article	IF	Citations
1	Improving snow cover mapping in forests through the use of a canopy reflectance model. Hydrological Processes, 1998, 12, 1723-1744.	2.6	286
2	Validation of daily MODIS snow cover maps of the Upper Rio Grande River Basin for the 2000â€“2001 snow year. Remote Sensing of Environment, 2003, 86, 162-176.	11.0	284
3	Development and validation of a snow albedo algorithm for the MODIS instrument. Annals of Glaciology, 2002, 34, 45-52.	1.4	145
4	Assessment of Snow-Cover Mapping Accuracy in a Variety of Vegetation-Cover Densities in Central Alaska. Remote Sensing of Environment, 1998, 66, 129-137.	11.0	139
5	Modern and last local glacial maximum snowlines in the Central Andes of Peru, Bolivia, and Northern Chile. Quaternary Science Reviews, 1999, 18, 63-84.	3.0	118
6	A comparison of MODIS and NOHRSC snow-cover products for simulating streamflow using the Snowmelt Runoff Model. Hydrological Processes, 2005, 19, 2951-2972.	2.6	90
7	Development of a technique to assess snow-cover mapping errors from space. IEEE Transactions on Geoscience and Remote Sensing, 2001, 39, 432-438.	6.3	87
8	Fractional snow cover mapping through artificial neural network analysis of MODIS surface reflectance. Remote Sensing of Environment, 2011, 115, 3355-3366.	11.0	68
9	The Impact of Natural Disasters on Domestic Violence: An Analysis of Reports of Simple Assault in Florida (1999â€“2007). Violence and Gender, 2018, 5, 87-92.	1.6	67
10	Temporal and spatial patterns of anthropogenic disturbance at McMurdo Station, Antarctica. Environmental Research Letters, 2010, 5, 034010.	5.2	61
11	Distribution and assessment of heavy metals in the aquatic environment of Lake Manzala, Egypt. Ecological Indicators, 2015, 58, 445-457.	6.3	58
12	Improving MODIS snow products with a HMRF-based spatio-temporal modeling technique in the Upper Rio Grande Basin. Remote Sensing of Environment, 2018, 204, 568-582.	11.0	49
13	Regional synthesis of last glacial maximum snowlines in the tropical Andes, South America. Quaternary International, 2005, 138-139, 145-167.	1.5	41
14	Assessment of sediment contamination in Casco Bay, Maine, USA. Environmental Pollution, 2008, 152, 505-521.	7.5	40
15	Spectral mixture analysis of Landsat thematic mapper images applied to the detection of the transient snowline on tropical Andean glaciers. Global and Planetary Change, 1999, 22, 139-154.	3.5	38
16	Land subsidence in the Nile Delta of Egypt observed by persistent scatterer interferometry. Remote Sensing Letters, 2012, 3, 621-630.	1.4	31
17	Suitability Assessment for New Minia City, Egypt: A GIS Approach to Engineering Geology. Environmental and Engineering Geoscience, 2005, 11, 259-269.	0.9	30
18	Retreat of glaciers on Puncak Jaya, Irian Jaya, determined from 2000 and 2002 IKONOS satellite images. Journal of Glaciology, 2006, 52, 65-79.	2.2	25

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19	Permanent Scatterer investigation of land subsidence in Greater Cairo, Egypt. Geophysical Journal International, 2009, 178, 1238-1245.	2.4	25
20	The historical development of McMurdo station, Antarctica, an environmental perspective. Polar Geography, 2008, 31, 119-144.	1.9	24
21	Spatial patterns of total petroleum hydrocarbons in the terrestrial environment at McMurdo Station, Antarctica. Antarctic Science, 2012, 24, 450-466.	0.9	23
22	Local Emissions and Regional Wildfires Influence Refractory Black Carbon Observations Near Palmer Station, Antarctica. Frontiers in Earth Science, 2019, 7, .	1.8	21
23	Maps & GIS Data Libraries in the Era of Big DataÂand Cloud Computing. Journal of Map and Geography Libraries, 2014, 10, 100-122.	0.1	17
24	Spatial distribution and ecological risk assessment of trace metals in surface sediments of Lake Qaroun, Egypt. Environmental Monitoring and Assessment, 2019, 191, 413.	2.7	15
25	Detection of Snow Cover Using Millimeter-Wave Imaging Radiometer (MIR) Data. Remote Sensing of Environment, 1999, 68, 53-60.	11.0	13
26	InSAR Study of Shoreline Change along the Damietta Promontory, Egypt. Journal of Coastal Research, 2012, 284, 1263-1269.	0.3	10
27	Effects of the El NiÃ±oâ€“southern oscillation on temperature, precipitation, snow water equivalent and resulting streamflow in the Upper Rio Grande river basin. Hydrological Processes, 2004, 18, 1053-1071.	2.6	9
28	Spatial Distribution of Estimated Wind-Power Royalties in West Texas. Land, 2015, 4, 1182-1199.	2.9	9
29	Long-term changes in contamination and macrobenthic communities adjacent to McMurdo Station, Antarctica. Science of the Total Environment, 2021, 764, 142798.	8.0	9
30	Long-Term Monitoring of Human Impacts to the Terrestrial Environment at McMurdo Station. , 2014, , 213-227.		9
31	Anthropogenic effects on the marine environment adjacent to Palmer Station, Antarctica. Antarctic Science, 2022, 34, 79-96.	0.9	8
32	Using epibenthic fauna as biomonitors of local marine contamination adjacent to McMurdo Station, Antarctica. Marine Pollution Bulletin, 2022, 178, 113621.	5.0	7
33	Cross-Comparison between MODIS and VIIRS Snow Cover Products for the 2016 Hydrological Year. Climate, 2019, 7, 57.	2.8	6
34	On the disappearance of the Puncak Mandala ice cap, Papua. Journal of Glaciology, 2008, 54, 195-198.	2.2	3
35	Direct Injuries and Fatalities of Texas Tornado Outbreaks from 1973 to 2007. Professional Geographer, 2021, 73, 171-185.	1.8	2
36	Calibration of the Sleuth Model Based on the Historic Growth of Houston. Journal of Applied Sciences, 2007, 7, 1843-1853.	0.3	2

#	Article	IF	Citations
37	Reply to correspondence by Uwe Dornbusch. Quaternary Science Reviews, 2000, 20, 1155-1158.	3.0	1
38	Eastern Snow Conference/Canadian Geophysical Union Hydrology Section. Hydrological Processes, 2008, 22, 2727-2727.	2.6	0
39	Eastern Snow Conference. Hydrological Processes, 2010, 24, n/a-n/a.	2.6	0
40	Understanding of an Iceberg Breaking Off Event Based on Ice-Front Motion Analysis of Amery Ice Shelf, Antarctica. Remote Sensing, 2021, 13, 4983.	4.0	0