Haim Kutiel

List of Publications by Year
in descending order

59 papers	2,004 citations	257450 24 h-index	265206 42 g-index
61 all docs	61 docs citations	61 times ranked	1722 citing authors

#	Article	IF	Citations
1	North Sea-Caspian Pattern (NCP) - an upper level atmospheric teleconnection affecting the Eastern Mediterranean: Identification and definition. Theoretical and Applied Climatology, 2002, 71, 17-28.	2.8	152
2	The distribution of rainfall intensity in Israel, its regional and seasonal variations and its climatological evaluation. Journal of Climatology, 1986, 6, 277-291.	0.7	141
3	Synoptics of dust transportation days from Africa toward Italy and central Europe. Journal of Geophysical Research, 2005, 110, .	3.3	119
4	CIRCULATION AND EXTREME RAINFALL CONDITIONS IN THE EASTERN MEDITERRANEAN DURING THE LAST CENTURY. International Journal of Climatology, 1996, 16, 73-92.	3.5	113
5	North Sea - Caspian Pattern (NCP) - an upper level atmospheric teleconnection affecting the eastern Mediterranean - implications on the regional climate. Theoretical and Applied Climatology, 2002, 72, 173-192.	2.8	112
6	Links between the rainfall regime in Israel and location and intensity of Cyprus lows. International Journal of Climatology, 2010, 30, 1014-1025.	3.5	109
7	Wet and Dry Monthly Anomalies Across the Mediterranean Basin and their Relationship with Circulation, 1860-1990. Theoretical and Applied Climatology, 1999, 64, 189-199.	2.8	83
8	Climatology of Dust Sources in North Africa and the Arabian Peninsula, Based on TOMS Data. Indoor and Built Environment, 2004, 13, 407-419.	2.8	64
9	Vegetation response to possible scenarios of rainfall variations along a Mediterraneanâ€“extreme arid climatic transect. Journal of Arid Environments, 2000, 44, 277-290.	2.4	62
10	Variations in the Temperature Regime Across the Mediterranean During the Last Century and their Relationship with Circulation Indices. Theoretical and Applied Climatology, 1998, 61, 39-53.	2.8	61
11	New evidence for the role of the north sea â€" caspian pattern on the temperature and precipitation regimes in continental central turkey. Geografiska Annaler, Series A: Physical Geography, 2005, 87, 501-513.	1.5	60
12	Circulation indices over the Mediterranean and Europe and their relationship with rainfall conditions across the Mediterranean. Theoretical and Applied Climatology, 1996, 54, 125-138.	2.8	56
13	Spatial and temporal variations in the temperature regime in the Mediterranean and their relationship with circulation during the last century. International Journal of Climatology, 1999, 19, 745-764.	3.5	52
14	Sea Level Pressure Departures in the Mediterranean and their Relationship with Monthly Rainfall Conditions in Israel. Theoretical and Applied Climatology, 1998, 60, 93-109.	2.8	50
15	Introduction: Mediterranean Climateâ€"Background Information. , 2012, , xxxv-xc.		49
16	Sea level pressure patterns associated with dry or wet monthly rainfall conditions in Turkey. Theoretical and Applied Climatology, 2001, 69, 39-67.	2.8	45
17	Short-term changes in the magnitude, frequency and temporal distribution of floods in the Eastern Mediterranean region during the last 45Âyears â€" Nahal Oren, Mt. Carmel, Israel. Geomorphology, 2007, 84, 181-191.	2.6	43
18	The multimodality of the rainfall course in Israel, as reflected by the distribution of dry spells. Archiv FÃ¼r Meteorologie Geophysik Und Bioklimatologie Serie B, 1985, 36, 15-27.	0.8	39

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19	Rainfall uncertainty in the Mediterranean: time series, uncertainty, and extreme events. Theoretical and Applied Climatology, 2011, 104, 357-375.	2.8	33
20	New Azores archipelago daily precipitation dataset and its links with largeâ€scale modes of climate variability. International Journal of Climatology, 2016, 36, 4439-4454.	3.5	32
21	The relevance of the North-Sea Caspian Pattern (NCP) in explaining temperature variability in Europe and the Mediterranean. Natural Hazards and Earth System Sciences, 2011, 11, 2881-2888.	3.6	29
22	The rainfall regime in Lisbon in the last 150Âyears. Theoretical and Applied Climatology, 2014, 118, 387-403.	2.8	29
23	Performance of the general circulation HadAM3P model in simulating circulation types over the Mediterranean region. International Journal of Climatology, 2008, 28, 185-203.	3.5	28
24	Rainfall uncertainty in the Mediterranean: dryness distribution. Theoretical and Applied Climatology, 2010, 100, 123-135.	2.8	27
25	Variation of Dry Days Since Last Rain (DDSLR) as a measure of dryness along a Mediterranean â€“ Arid transect. Journal of Arid Environments, 2009, 73, 658-665.	2.4	25
26	Rainfall regime uncertainty (RRU) in an Eastern Mediterranean region-- A methodological approach. Israel Journal of Earth Sciences, 2003, 52, 47-63.	0.3	25
27	Rainfall uncertainty in the Mediterranean: definitions of the daily rainfall threshold (DRT) and the rainy season length (RSL). Theoretical and Applied Climatology, 2009, 97, 151-162.	2.8	24
28	Rainfall uncertainty in the Mediterranean: definition of the rainy season â€“ a methodological approach. Theoretical and Applied Climatology, 2008, 94, 35-49.	2.8	23
29	Synoptics of dust intrusion days from the African continent into the Atlantic Ocean. Journal of Geophysical Research, 2004, 109, .	3.3	22
30	Analysis of beginning, end, and length of the rainy season along a Mediterraneanâ€“arid climate transect for geomorphic purposes. Journal of Arid Environments, 2004, 59, 189-204.	2.4	22
31	Extreme precipitation related to circulation types for four case studies over the Eastern Mediterranean. Advances in Geosciences, 0, 12, 87-93.	12.0	21
32	Reconstructing pre-fire vegetation condition in the wildland urban interface (WUI) using artificial neural network. Journal of Environmental Management, 2019, 238, 224-234.	7.8	19
33	Recent variations in 700 hPa geopotential heights in summer over Europe and the Middle East, and their influence on other Meteorological factors. Theoretical and Applied Climatology, 1992, 46, 99-108.	2.8	18
34	Rainfall uncertainty in the Mediterranean: Intraseasonal rainfall distribution. Theoretical and Applied Climatology, 2010, 100, 105-121.	2.8	16
35	Rainfall variations in the Galilee (Israel), I. Variations in the spatial distribution in the periods 1931â€“1960, and 1951â€“1980. Journal of Hydrology, 1987, 94, 331-344.	5.4	15
36	Recent spatial and temporal variations in mean sea level pressure over Europe and the Middle East, and their influence on the rainfall regime in the Galilee, Israel. Theoretical and Applied Climatology, 1991, 44, 151-166.	2.8	15

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37	Spatial and temporal variability of dryness characteristics in Turkey. International Journal of Climatology, 2017, 37, 818-828.	3.5	15
38	Spatial and temporal variability of rain-spells characteristics in Serbia and Montenegro. International Journal of Climatology, 2015, 35, 1611-1624.	3.5	14
39	Spatial coherence of monthly rainfall in Israel. Archiv FÃ¼r Meteorologie Geophysik Und Bioklimatologie Serie B, 1982, 31, 353-367.	0.8	12
40	The dependence of the annual total on the number of rainâ€spells and their yield in the mediterranean. Geografiska Annaler, Series A: Physical Geography, 2012, 94, 285-299.	1.5	12
41	Diurnal variation of rainfall in Israel. Archives for Meteorology, Geophysics and Bioclimatology, Series A, 1980, 29, 387-395.	0.4	11
42	The distribution of Autumnal Easterly Wind Spells Favoring Rapid spread of forest wildfires on Mount Carmel, Israel. Geo Journal, 1991, 23, 147.	3.1	10
43	Empirical models of rain-spells characteristics â€“ A case study of a Mediterranean-arid climatic transect. Journal of Arid Environments, 2013, 97, 84-91.	2.4	10
44	Dryness in a Mediterranean-type climate â€“ implications for wildfire burnt area: a case study from Mount Carmel, Israel. International Journal of Wildland Fire, 2016, 25, 579.	2.4	9
45	Diurnal variation in the spatial structure of rainfall in the Northern Negev desert Israel. Archiv FÃ¼r Meteorologie Geophysik Und Bioklimatologie Serie B, 1981, 29, 239-243.	0.8	8
46	Singularity of atmospheric pressure in the eastern mediterranean and its relevance to interannual variations of dry and wet spells. International Journal of Climatology, 1998, 18, 317-327.	3.5	8
47	Wildfires in the eastern Mediterranean as a result of lightning activity â€“ a change in the conventional knowledge. International Journal of Wildland Fire, 2016, 25, 592.	2.4	8
48	The rainfall regime and its uncertainty in Valencia and Larnaca. Advances in Geosciences, 0, 12, 101-106.	12.0	8
49	Rainfall variations in the Galilee (Israel), II. Variations in the temporal distribution between 1931â€“1960 and 1951â€“1980. Journal of Hydrology, 1988, 99, 179-185.	5.4	7
50	Atmospheric dynamics over northwest Africa and linkages with Sahelian rainfall. Geophysical Research Letters, 2006, 33, .	4.0	7
51	Quantifying uncertainties in precipitation: a case study from Greece. Advances in Geosciences, 0, 16, 19-26.	12.0	7
52	The impact of Sharav weather conditions on airborne pollen in Jerusalem and Tel Aviv (Israel). Aerobiologia, 2018, 34, 497-511.	1.7	5
53	Variability of factors and their possible application to climatic studies. Theoretical and Applied Climatology, 1990, 42, 169-175.	2.8	4
54	Climatic Uncertainty in the Mediterranean Basin and Its Possible Relevance to Important Economic Sectors. Atmosphere, 2019, 10, 10.	2.3	4

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55	Effects of network design on climatic maps of precipitation. Climate Research, 1996, 7, 1-10.	1.1	4
56	Spatial and temporal characteristics of rain-spells in New Zealand. Theoretical and Applied Climatology, 2020, 142, 329-348.	2.8	2
57	A new approach for the definition of extreme anomalous hot and dry weather events in Israel. Investigaciones GeogrÃ¡ficas, 2013, , 29.	0.1	2
58	A Review on the Impact of the North Sea â€“ Caspian Pattern (NCP) on Temperature and Precipitation Regimes in the Middle East. , 2010, , 1301-1312.		2
59	Extreme Rainfall Events and Uncertainty in the Mediterranean Basin. , 2010, , 1439-1448.		1