

Pinhas Alpert

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166
papers

6,748
citations

45
h-index

77
g-index

185
ext. papers

7,436
ext. citations

4.9
avg, IF

5.86
L-index

#	Paper	IF	Citations
166	Estimating the Parameters of the Spatial Autocorrelation of Rainfall Fields by Measurements from Commercial Microwave Links. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022 , 1-1	8.1	
165	Challenges in Diurnal Humidity Analysis from Cellular Microwave Links (CML) over Germany. <i>Remote Sensing</i> , 2022 , 14, 2353	5	0
164	Regional lessons from the COVID-19 outbreak in the Middle East: From infectious diseases to climate change adaptation. <i>Science of the Total Environment</i> , 2021 , 768, 144434	10.2	8
163	Is it possible to fit extreme climate change indices together seamlessly in the era of accelerated warming?. <i>International Journal of Climatology</i> , 2021 , 41, E952	3.5	7
162	The relationship between cyclonic weather regimes and seasonal influenza over the Eastern Mediterranean. <i>Science of the Total Environment</i> , 2021 , 750, 141686	10.2	5
161	The diurnal variability of precipitable water vapor derived from GPS tropospheric path delays over the Eastern Mediterranean. <i>Atmospheric Research</i> , 2021 , 249, 105307	5.4	4
160	An Unknown Maximum Lag-Correlation Between Rainfall and Aerosols at 1400±60 Minutes. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL089334	4.9	0
159	Temperature patterns along an arid coastline experiencing extreme and rapid urbanization, case study: Dubai. <i>Science of the Total Environment</i> , 2021 , 784, 147168	10.2	4
158	Absence of Surface Water Temperature Trends in Lake Kinneret despite Present Atmospheric Warming: Comparisons with Dead Sea Trends. <i>Remote Sensing</i> , 2021 , 13, 3461	5	2
157	A Factor Separation Study of the Effect of Synoptic-Scale Wind, Atmospheric Moisture and of Their Synergy on the Diurnal Temperature Range During the Israeli Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD034923	4.4	
156	Interdisciplinary Regional Collaboration for Public Health Adaptation to Climate Change in the Eastern Mediterranean. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1685-E1689	6.1	3
155	Dust Dry Deposition over Israel. <i>Atmosphere</i> , 2020 , 11, 197	2.7	8
154	Potential new aerosol source(s) in the Middle East. <i>Science of the Total Environment</i> , 2020 , 726, 137925	10.2	2
153	Spatial Non-Uniformity of Surface Temperature of the Dead Sea and Adjacent Land Areas. <i>Remote Sensing</i> , 2020 , 12, 107	5	2
152	Ceilmeters as planetary boundary layer height detectors and a corrective tool for COSMO and IFS models. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 12177-12192	6.8	8
151	The dynamics of cyclones in the twentyfirst century: the Eastern Mediterranean as an example. <i>Climate Dynamics</i> , 2020 , 54, 561-574	4.2	16
150	Weather regimes and analogues downscaling of seasonal precipitation for the 21st century: A case study over Israel. <i>International Journal of Climatology</i> , 2020 , 40, 2062-2077	3.5	7

149	Red snow occurrence in Eastern Europe. A case study. <i>Weather</i> , 2020 , 75, 45-48	0.9	1
148	Automatic identification and classification of the northern part of the Red Sea trough and its application for climatological analysis. <i>International Journal of Climatology</i> , 2020 , 40, 3607-3622	3.5	5
147	Multi-factor analysis of DTR variability over Israel in the sea/desert border. <i>Theoretical and Applied Climatology</i> , 2020 , 139, 287-295	3	2
146	A new dynamical systems perspective on atmospheric predictability: Eastern Mediterranean weather regimes as a case study. <i>Science Advances</i> , 2019 , 5, eaau0936	14.3	21
145	Urban Rainfall Anomaly under Intensive Development, 1949-2018, Case of Tel-Aviv, Israel. <i>Atmosphere</i> , 2019 , 10, 163	2.7	2
144	Changes in extreme temperature and precipitation indices: Using an innovative daily homogenized database in Israel. <i>International Journal of Climatology</i> , 2019 , 39, 5022-5045	3.5	17
143	Artificial Detection of Lower-Frequency Periodicity in Climatic Studies by Wavelet Analysis Demonstrated on Synthetic Time Series. <i>Journal of Applied Meteorology and Climatology</i> , 2019 , 58, 2077-2086	2.7	3
142	Investigation of sea-breeze/foehn in the Dead Sea valley employing high resolution WRF and observations. <i>Atmospheric Research</i> , 2019 , 229, 240-254	5.4	13
141	Near-surface elevated pollution: what we don't know doesn't hurt? A numerical study over Mt. Carmel. <i>Environmental Research Communications</i> , 2019 , 1, 085003	3.1	1
140	The Atmospheric Moisture Budget over the Eastern Mediterranean Based on the Super-High-Resolution Global Model Effects of Global Warming at the End of the 21st Century. <i>The Anthropocene: Politik - Economics - Society - Science</i> , 2019 , 49-67	0.3	1
139	Analyzing the ability to reconstruct the moisture field using commercial microwave network data. <i>Atmospheric Research</i> , 2019 , 219, 213-222	5.4	9
138	The seasons' length in 21st century CMIP5 projections over the eastern Mediterranean. <i>International Journal of Climatology</i> , 2018 , 38, 2627-2637	3.5	30
137	New insights into the vertical structure of the September 2015 dust storm employing eight ceilometers and auxiliary measurements over Israel. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 3203-3221	6.8	8
136	Increase in Weather Patterns Generating Extreme Desiccation Events: Implications for Mediterranean Rocky Shore Ecosystems. <i>Estuaries and Coasts</i> , 2018 , 41, 1868-1884	2.8	14
135	Foehn-induced effects on local dust pollution, frontal clouds and solar radiation in the Dead Sea valley. <i>Meteorology and Atmospheric Physics</i> , 2018 , 130, 295-309	2	5
134	Synoptic classification in 21st century CMIP5 predictions over the Eastern Mediterranean with focus on cyclones. <i>International Journal of Climatology</i> , 2018 , 38, 1476-1483	3.5	23
133	Evaluation of regional COSMO-CLM climate simulations over the Eastern Mediterranean for the period 1979-2011. <i>International Journal of Climatology</i> , 2018 , 38, 1161-1176	3.5	6
132	Vertical Precipitation Estimation Using Microwave Links in Conjunction with Weather Radar. <i>Environments - MDPI</i> , 2018 , 5, 74	3.2	6

131	Detecting and adjusting artificial biases of long-term temperature records in Israel. <i>International Journal of Climatology</i> , 2018 , 38, 3273-3289	3.5	22
130	A Synoptic Study of Low Troposphere Wind at the Israeli Coast. <i>The Open Atmospheric Science Journal</i> , 2018 , 12, 80-106	0.7	1
129	Evaluation and projection of extreme precipitation indices in the Eastern Mediterranean based on CMIP5 multi-model ensemble. <i>International Journal of Climatology</i> , 2018 , 38, 2280-2297	3.5	26
128	High-resolution projection of climate change and extremity over Israel using COSMO-CLM. <i>International Journal of Climatology</i> , 2018 , 38, 5095-5106	3.5	23
127	Observations of positive sea surface temperature trends in the steadily shrinking Dead Sea. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 3007-3018	3.9	6
126	First Daily Mapping of Surface Moisture from Cellular Network Data and Comparison with Both Observations/ECMWF Product. <i>Geophysical Research Letters</i> , 2018 , 45, 8619-8628	4.9	7
125	An observational study of the summer Mediterranean Sea breeze front penetration into the complex topography of the Jordan Rift Valley. <i>Theoretical and Applied Climatology</i> , 2017 , 127, 275-284	3	14
124	AOD distributions and trends of major aerosol species over a selection of the world's most populated cities based on the 1st Version of NASA's MERRA Aerosol Reanalysis. <i>Urban Climate</i> , 2017 , 20, 168-191	6.8	42
123	MODIS Summer SUHI Cross-sections Anomalies over the Megacities of the Monsoon Asia Region and Global Trends. <i>The Open Atmospheric Science Journal</i> , 2017 , 11, 121-136	0.7	6
122	Saharan Dust as a Causal Factor of Significant Cloud Cover Along the Saharan Air Layer in the Atlantic Ocean. <i>Springer Proceedings in Complexity</i> , 2016 , 569-573	0.3	
121	Discussing the role of tropical and subtropical moisture sources in cold season extreme precipitation events in the Mediterranean region from a climate change perspective. <i>Natural Hazards and Earth System Sciences</i> , 2016 , 16, 269-285	3.9	15
120	Ceilometer evaluation of the eastern Mediterranean summer boundary layer height [first study of two Israeli sites. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 4387-4398	4	21
119	Impact of coastline-intensive anthropogenic activities on the atmosphere from moderate resolution imaging spectroradiometer (MODIS) data in Dubai (2001-2014). <i>Earth's Future</i> , 2016 , 4, 54-61	7.9	3
118	Meteorology: Mobile networks aid weather monitoring. <i>Nature</i> , 2016 , 537, 617	50.4	8
117	Inner Structure of Atmospheric Inversion Layers over Haifa Bay in the Eastern Mediterranean. <i>Boundary-Layer Meteorology</i> , 2015 , 156, 471-487	3.4	7
116	Cellular Network Infrastructure: The Future of Fog Monitoring?. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1687-1698	6.1	22
115	Trends in rainfall regime over Israel, 1975-2010, and their relationship to large-scale variability. <i>Regional Environmental Change</i> , 2014 , 14, 1751-1764	4.3	82
114	Air pollution over the Ganges basin and northwest Bay of Bengal in the early postmonsoon season based on NASA MERRAero data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 1555-1570	4.4	21

113	Investigation of the Dominant Factors Influencing the ERA15 Temperature Increments at the Subtropical and Temperate Belts with a Focus over the Eastern Mediterranean Region. <i>Land</i> , 2014 , 3, 1015-1036	3.5	2
112	MEDEX: a general overview. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 1965-1984	3.9	61
111	New algorithm for integration between wireless microwave sensor network and radar for improved rainfall measurement and mapping. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 3549-3563	4	27
110	HyMeX: A 10-Year Multidisciplinary Program on the Mediterranean Water Cycle. <i>Bulletin of the American Meteorological Society</i> , 2014 , 95, 1063-1082	6.1	254
109	Integrating Saharan dust forecasts into a regional chemical transport model: a case study over Northern Italy. <i>Science of the Total Environment</i> , 2012 , 417-418, 224-31	10.2	9
108	Predominant transport paths of Saharan dust over the Mediterranean Sea to Europe. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		103
107	Comparison of two methodologies for long term rainfall monitoring using a commercial microwave communication system. <i>Atmospheric Research</i> , 2012 , 104-105, 119-127	5.4	33
106	Red Sea Trough flood events in the Negev, Israel (1964-2007). <i>Hydrological Sciences Journal</i> , 2012 , 57, 42-51	3.5	19
105	Sea-Salt Aerosol Mass Concentration Oscillations after Rainfall, Derived from Long-Term Measurements in Lampedusa (Central Mediterranean) 2012 , 2012, 1-8		2
104	The Coastal Boundary Layer and Air Pollution - A High Temporal Resolution Analysis in the East Mediterranean Coast. <i>The Open Atmospheric Science Journal</i> , 2012 , 6, 9-18	0.7	11
103	Climatological relationships among the moisture budget components and rainfall amounts over the Mediterranean based on a super-high-resolution climate model. <i>Journal of Geophysical Research</i> , 2011 , 116,		13
102	Atmospheric response to Saharan dust deduced from ECMWF reanalysis (ERA) temperature increments. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2011 , 55, 901-913	3.3	7
101	Extreme value indicators in highly resolved climate change simulations for the Jordan River area. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		36
100	Using ensemble of climate models to evaluate future water and solutes budgets in Lake Kinneret, Israel. <i>Journal of Hydrology</i> , 2011 , 410, 248-259	6	37
99	Regional and local climatic effects on the Dead-Sea evaporation. <i>Climatic Change</i> , 2011 , 105, 455-468	4.5	27
98	A double-resolution transient RCM climate change simulation experiment for near-coastal eastern zone of the Eastern Mediterranean region. <i>Theoretical and Applied Climatology</i> , 2011 , 103, 167-195	3	32
97	Aerosol optical thickness trends and population growth in the Indian subcontinent. <i>International Journal of Remote Sensing</i> , 2011 , 32, 9137-9149	3.1	21
96	Prediction of rainfall intensity measurement errors using commercial microwave communication links. <i>Atmospheric Measurement Techniques</i> , 2010 , 3, 1385-1402	4	67

95	Climate Change Impacts on Jordan River Flow: Downscaling Application from a Regional Climate Model. <i>Journal of Hydrometeorology</i> , 2010 , 11, 860-879	3.7	45
94	Increasing trend of African dust, over 49 years, in the eastern Mediterranean. <i>Journal of Geophysical Research</i> , 2010 , 115,		92
93	Synoptic classification of lower troposphere profiles for dust days. <i>Journal of Geophysical Research</i> , 2010 , 115,		11
92	Dew is a major factor affecting vegetation water use efficiency rather than a source of water in the eastern Mediterranean area. <i>Water Resources Research</i> , 2010 , 46,	5.4	42
91	Water cycle changes over the Mediterranean: a comparison study of a super-high-resolution global model with CMIP3. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 5137-49	3	25
90	Numerical simulation of seasonal distribution of precipitation over the eastern Mediterranean with a RCM. <i>Climate Dynamics</i> , 2010 , 34, 47-59	4.2	20
89	Links between the rainfall regime in Israel and location and intensity of Cyprus lows. <i>International Journal of Climatology</i> , 2010 , 30, 1014-1025	3.5	85
88	Factors governing the interannual variation and the long-term trend of the 850 hPa temperature over Israel. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010 , 136, 305-318	6.4	32
87	Frontal Rainfall Observation by a Commercial Microwave Communication Network. <i>Journal of Applied Meteorology and Climatology</i> , 2009 , 48, 1317-1334	2.7	74
86	Synoptic classification of Moderate Resolution Imaging Spectroradiometer aerosols over Israel. <i>Journal of Geophysical Research</i> , 2009 , 114,		25
85	Variations of meridional aerosol distribution and solar dimming. <i>Journal of Geophysical Research</i> , 2009 , 114,		19
84	Technical Note: Novel method for water vapour monitoring using wireless communication networks measurements. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 2413-2418	6.8	50
83	Quantification of the effect of urbanization on solar dimming. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	51
82	Climatic trends to extremes employing regional modeling and statistical interpretation over the E. Mediterranean. <i>Global and Planetary Change</i> , 2008 , 63, 163-170	4.2	146
81	Recent results of rainfall mapping from cellular network measurements. <i>Proceedings of the IEEE International Conference on Acoustics, Speech, and Signal Processing</i> , 2008 ,	1.6	1
80	Does Air Pollution Really Suppress Precipitation in Israel?. <i>Journal of Applied Meteorology and Climatology</i> , 2008 , 47, 933-943	2.7	51
79	Mediterranean water cycle changes: transition to drier 21st century conditions in observations and CMIP3 simulations. <i>Environmental Research Letters</i> , 2008 , 3, 044001	6.2	173
78	Synoptic patterns associated with dusty and non-dusty seasons in the Sahara. <i>Theoretical and Applied Climatology</i> , 2008 , 94, 153-162	3	19

77	Estimation of rainfall fields using commercial microwave communication networks of variable density. <i>Advances in Water Resources</i> , 2008 , 31, 1470-1480	4.7	75
76	Using numerical weather prediction errors to estimate aerosol heating. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008 , 60, 729-741	3.3	16
75	Saharan Dust over the Eastern Mediterranean: Model Sensitivity. <i>NATO Security Through Science Series C: Environmental Security</i> , 2008 , 358-366		7
74	Latitudinal variations of cloud and aerosol optical thickness trends based on MODIS satellite data. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	25
73	Forecast errors in dust vertical distributions over Rome (Italy): Multiple particle size representation and cloud contributions. <i>Journal of Geophysical Research</i> , 2007 , 112,		21
72	A southeastern Mediterranean PV streamer and its role in December 2001 case with torrential rains in Israel. <i>Natural Hazards and Earth System Sciences</i> , 2007 , 7, 21-32	3.9	11
71	An evaluation of the role of hurricane Olga (2001) in an extreme rainy event in Israel using dynamic tropopause maps. <i>Meteorology and Atmospheric Physics</i> , 2007 , 98, 35-53	2	6
70	The Mediterranean climate: An overview of the main characteristics and issues. <i>Developments in Earth and Environmental Sciences</i> , 2006 , 1-26		159
69	A potential climatic index for total Saharan dust: the Sun insolation. <i>Journal of Geophysical Research</i> , 2006 , 111,		6
68	Environmental monitoring by wireless communication networks. <i>Science</i> , 2006 , 312, 713	33.3	259
67	Is there a connection between weather at departure sites, onset of migration and timing of soaring-bird autumn migration in Israel?. <i>Global Ecology and Biogeography</i> , 2006 , 15, 541-552	6.1	53
66	Synoptics of dust transportation days from Africa toward Italy and central Europe. <i>Journal of Geophysical Research</i> , 2005 , 110,		93
65	Vertical distribution of Saharan dust over Rome (Italy): Comparison between 3-year model predictions and lidar soundings. <i>Journal of Geophysical Research</i> , 2005 , 110, n/a-n/a		26
64	Indications for aggravation in summer heat conditions over the Mediterranean Basin. <i>Geophysical Research Letters</i> , 2005 , 32, n/a-n/a	4.9	61
63	Global dimming or local dimming?: Effect of urbanization on sunlight availability. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	135
62	Decadal trends in the east Atlantic-west Russia pattern and Mediterranean precipitation. <i>International Journal of Climatology</i> , 2005 , 25, 183-192	3.5	133
61	Signatures of the NAO in the atmospheric circulation during wet winter months over the Mediterranean region. <i>Theoretical and Applied Climatology</i> , 2005 , 82, 27-39	3	64
60	Semi-objective classification for daily synoptic systems: application to the eastern Mediterranean climate change. <i>International Journal of Climatology</i> , 2004 , 24, 1001-1011	3.5	198

59	A new seasons definition based on classified daily synoptic systems: an example for the eastern Mediterranean. <i>International Journal of Climatology</i> , 2004 , 24, 1013-1021	3.5	136
58	The factors governing the summer regime of the eastern Mediterranean. <i>International Journal of Climatology</i> , 2004 , 24, 1859-1871	3.5	225
57	Synoptics of dust intrusion days from the African continent into the Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2004 , 109,		20
56	The Role of Atmospheric Processes Associated with Hurricane Olga in the December 2001 Floods in Israel. <i>Journal of Hydrometeorology</i> , 2004 , 5, 1259-1270	3.7	40
55	Rotation of mid-latitude binary cyclones: a potential vorticity approach. <i>Theoretical and Applied Climatology</i> , 2003 , 76, 189-202	3	7
54	Long-term variations in summer temperatures over the Eastern Mediterranean. <i>Geophysical Research Letters</i> , 2003 , 30,	4.9	90
53	Pre- and Post-Sea-Breeze Frontal Lines A Meso-Escale Analysis over South Israel. <i>Journals of the Atmospheric Sciences</i> , 2003 , 60, 2994-3008	2.1	27
52	Decadal trends of main Eurasian oscillations and the Eastern Mediterranean precipitation. <i>Theoretical and Applied Climatology</i> , 2002 , 72, 209-220	3	118
51	Numerical study of a very intensive eastern Mediterranean dust storm, 13-16 March 1998. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 17-1-AAC 17-13		16
50	A study of an INDOEX period with aerosol transport to the eastern Mediterranean area. <i>Journal of Geophysical Research</i> , 2002 , 107, AAC 18-1-AAC 18-8		4
49	The paradoxical increase of Mediterranean extreme daily rainfall in spite of decrease in total values. <i>Geophysical Research Letters</i> , 2002 , 29, 31-1	4.9	353
48	Temperature and surface pressure anomalies in Israel and the North Atlantic Oscillation. <i>Theoretical and Applied Climatology</i> , 2001 , 69, 171-177	3	37
47	Climatic Variations In The Moisture and Instability Patterns Of The Atmospheric Boundary Layer On The East Mediterranean Coastal Plain Of Israel. <i>Boundary-Layer Meteorology</i> , 2001 , 100, 363-371	3.4	4
46	Synergism of upper-level potential vorticity and mountains in Genoa lee cyclogenesis A numerical study. <i>Meteorology and Atmospheric Physics</i> , 2001 , 78, 261-285	2	25
45	Using analysis increments to estimate atmospheric heating rates following volcanic eruptions. <i>Geophysical Research Letters</i> , 2001 , 28, 991-994	4.9	14
44	Sahara mineral dust measurements from TOMS: Comparison to surface observations over the Middle East for the extreme dust storm, March 14-17, 1998. <i>Journal of Geophysical Research</i> , 2001 , 106, 18275-18286		48
43	Effects of land-use modification on potential increase of convection: A numerical mesoscale study over south Israel. <i>Journal of Geophysical Research</i> , 2001 , 106, 22621-22634		16
42	Monthly Synoptic Patterns Associated with Wet/Dry Conditions in the Eastern Mediterranean. <i>Theoretical and Applied Climatology</i> , 2000 , 65, 215-229	3	50

41	Preliminary estimation of horizontal fluxes of cloud liquid water in relation to subtropical moisture budget studies employing ISCCP, SSMI, and GEOS-1/DAS data sets. <i>Journal of Geophysical Research</i> , 2000 , 105, 18067-18089		3
40	A shallow, short-lived meso-cyclone over the Gulf of Antalya, eastern Mediterranean. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1999 , 51, 249-262	2	6
39	Temporal and Spatial Trends of Temperature Patterns in Israel. <i>Theoretical and Applied Climatology</i> , 1999 , 64, 163-177	3	66
38	Reassessment of the moisture source over the Sahara Desert based on NASA reanalysis. <i>Journal of Geophysical Research</i> , 1999 , 104, 2015-2030		11
37	Quantification of dust-forced heating of the lower troposphere. <i>Nature</i> , 1998 , 395, 367-370	50.4	197
36	Easterly Wind Storms over Israel. <i>Theoretical and Applied Climatology</i> , 1998 , 59, 61-77	3	72
35	Spatial and Temporal Changes in Rainfall Frequency Distribution Patterns in Israel. <i>Theoretical and Applied Climatology</i> , 1998 , 61, 177-190	3	92
34	Aircraft Measurements of Surface Albedo in Relation to Climatic Changes in Southern Israel. <i>Theoretical and Applied Climatology</i> , 1998 , 61, 207-215	3	10
33	A possible link between El Niño and precipitation in Israel. <i>Geophysical Research Letters</i> , 1998 , 25, 3963-3966	4.6	109
32	Role of large scale moist dynamics in November 1994, hazardous Mediterranean weather. <i>Journal of Geophysical Research</i> , 1998 , 103, 19453-19468		46
31	Rainfall Anomaly over the Lee Side of Mount Carmel (Israel) and the Associated Wind Field. <i>Journal of Applied Meteorology and Climatology</i> , 1997 , 36, 748-762		4
30	Recent Changes in the Climate At the Dead Sea – Preliminary Study. <i>Climatic Change</i> , 1997 , 37, 513-537	4.5	23
29	Interaction of topography and tropospheric flow – A possible generator for the Red Sea Trough?. <i>Meteorology and Atmospheric Physics</i> , 1997 , 63, 149-158	2	61
28	Red Sea Trough/cyclone development – Numerical investigation. <i>Meteorology and Atmospheric Physics</i> , 1997 , 63, 159-169	2	56
27	A multi-stage evolution of an ALPEX cyclone. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1996 , 48, 209-220	2	15
26	The Relative Roles of Lateral Boundaries, Initial Conditions, and Topography in Mesoscale Simulations of Lee Cyclogenesis. <i>Journal of Applied Meteorology and Climatology</i> , 1996 , 35, 1091-1099		16
25	CONTINENTAL POLAR OUTBREAKS INTO THE LEVANT AND EASTERN MEDITERRANEAN. <i>International Journal of Climatology</i> , 1996 , 16, 1175-1191	3.5	46
24	. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1996 , 48, 209-220	2	14

23	Numerical experiments on the genesis of Sharav cyclones: idealized simulations. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1995 , 47, 162-174	2	22
22	Factor Separation in Numerical Simulations. <i>Journals of the Atmospheric Sciences</i> , 1993 , 50, 2107-2115	2.1	300
21	Long-term change in October rainfall patterns in southern Israel. <i>Theoretical and Applied Climatology</i> , 1993 , 46, 209-217	3	32
20	Investigation of the Planetary Boundary Layer Height Variations Over Complex Terrain 1993 , 129-142		2
19	Cold small-scale cyclones over the eastern Mediterranean. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1992 , 44, 173-179	2	8
18	. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1992 , 44, 173-179	2	13
17	Role of detailed wind-topography interaction in orographic rainfall. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1991 , 117, 421-426	6.4	18
16	A diagnostic study of winter diabatic heating in the Mediterranean in relation to cyclones. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1991 , 117, 715-747	6.4	80
15	Intermonthly Variability of Cyclone Tracks in the Mediterranean. <i>Journal of Climate</i> , 1990 , 3, 1474-1478	4.4	121
14	Climatological analysis of Mediterranean cyclones using ECMWF data. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1990 , 42, 65-77	2	115
13	. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1990 , 42, 65-77	2	145
12	One-Level Diagnostic Modeling of Mesoscale Surface Winds in Complex Terrain. Part I: Comparison with Three-Dimensional Modeling in Israel. <i>Monthly Weather Review</i> , 1988 , 116, 2025-2046	2.4	16
11	Wind Variability An Indicator for a Mesoclimatic Change in Israel. <i>Journal of Climate and Applied Meteorology</i> , 1986 , 25, 1568-1576		38
10	UNIFORM ICE STRIPES OVER GRASS. <i>Weather</i> , 1986 , 41, 287-289	0.9	1
9	A Proposed Index for Mesoscale Activity. <i>Journal of Climate and Applied Meteorology</i> , 1985 , 24, 472-480		14
8	A Model Simulation of the Summer Circulation from the Eastern Mediterranean past Lake Kinneret in the Jordan Valley. <i>Monthly Weather Review</i> , 1982 , 110, 994-1006	2.4	57
7	Meridional distribution of aerosol optical thickness over the tropical Atlantic Ocean		5
6	Tropical tele-connections to the Mediterranean climate and weather. <i>Advances in Geosciences</i> , 2 , 157-160		23

5	New algorithm for integration between wireless microwave sensor network and radar for improved rainfall measurement and mapping		2
4	MEDEX: a general overview		2
3	Discussing the role of tropical and subtropical moisture sources in extreme precipitation events in the Mediterranean region from a climate change perspective		3
2	Long-term variability and trends of precipitable water vapour derived from GPS tropospheric path delays over the Eastern Mediterranean. <i>International Journal of Climatology</i> ,	3-5	3
1	Characteristics of the summer 3-D katabatic flow in a semi-arid zone—the case of the Dead Sea. <i>International Journal of Climatology</i> ,	3-5	2