Ian Simmonds

List of Publications by Year
in descending order

206 papers	14,423 citations	17440 63 h-index	23533 111 g-index
209 all docs	209 docs citations	209 times ranked	9551 citing authors

#	Article	IF	Citations
1	Application of an atmospheric tracer model to high southern latitudes. Tellus, Series B: Chemical and Physical Meteorology, 2022, 44, 358.	1.6	16
2	The sensitivity of deduced CO₂ sources and sinks to variations in transport and imposed surface concentrations. Tellus, Series B: Chemical and Physical Meteorology, 2022, 48, 613.	1.6	11
3	North American and Eurasian snow cover co-variability. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 49, 503.	1.7	13
4	Climatological aspects of cyclogenesis near AdÂ´elie Land Antarctica. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 63, 921.	1.7	32
5	The sensitivity of characteristics of cyclone activity to identification procedures in tracking algorithms. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 66, 24961.	1.7	29
6	A comparison of tracking methods for extreme cyclones in the Arctic basin. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 66, 25252.	1.7	52
7	Subantarctic cyclones identified by 14 tracking methods, and their role for moisture transports into the continent. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 70, 1454808.	1.7	43
8	The modulation of Interdecadal Pacific Oscillation and Atlantic Multidecadal Oscillation on winter Eurasian cold anomaly via the Ural blocking change. Climate Dynamics, 2022, 59, 127-150.	3.8	10
9	Decadal Variability of Winter Warm Arcticâ€Cold Eurasia Dipole Patterns Modulated by Pacific Decadal Oscillation and Atlantic Multidecadal Oscillation. Earth's Future, 2022, 10, .	6.3	20
10	Anchoring of atmospheric teleconnection patterns by Arctic Sea ice loss and its link to winter cold anomalies in East Asia. International Journal of Climatology, 2021, 41, 547-558.	3.5	43
11	Antarctic Peninsula warm winters influenced by Tasman Sea temperatures. Nature Communications, 2021, 12, 1497.	12.8	28
12	A Mediterranean cold front identification scheme combining wind and thermal criteria. International Journal of Climatology, 2021, 41, 6497-6510.	3.5	4
13	Midlatitude Winter Extreme Temperature Events and Connections with Anomalies in the Arctic and Tropics. Journal of Climate, 2021, 34, 3733-3749.	3.2	46
14	Global analysis of cyclone-induced compound precipitation and wind extreme events. Weather and Climate Extremes, 2021, 32, 100324.	4.1	40
15	Antarctic skin temperature warming related to enhanced downward longwave radiation associated with increased atmospheric advection of moisture and temperature. Environmental Research Letters, 2021, 16, 064059.	5.2	22
16	Trends and variability in polar sea ice, global atmospheric circulations, and baroclinicity. Annals of the New York Academy of Sciences, 2021, 1504, 167-186.	3.8	68
17	A Connection of Winter Eurasian Cold Anomaly to the Modulation of Ural Blocking by ENSO. Geophysical Research Letters, 2021, 48, e2021GL094304.	4.0	32
18	Linkages between the atmospheric transmission originating from the North Atlantic Oscillation and persistent winter haze over Beijing. Atmospheric Chemistry and Physics, 2021, 21, 18573-18588.	4.9	12

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19	A Climatology of the Marine Atmospheric Boundary Layer Over the Southern Ocean From Four Field Campaigns During 2016â€“2018. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033214.	3.3	21
20	Collaborative impact of the NAO and atmospheric blocking on European heatwaves, with a focus on the hot summer of 2018. Environmental Research Letters, 2020, 15, 114003.	5.2	45
21	Combined Influences on North American Winter Air Temperature Variability from North Pacific Blocking and the North Atlantic Oscillation: Subseasonal and Interannual Time Scales. Journal of Climate, 2020, 33, 7101-7123.	3.2	18
22	The winter midlatitude-Arctic interaction: effects of North Atlantic SST and high-latitude blocking on Arctic sea ice and Eurasian cooling. Climate Dynamics, 2019, 52, 2981-3004.	3.8	69
23	The Australian Northwest Cloudband: Climatology, Mechanisms, and Association with Precipitation. Journal of Climate, 2019, 32, 6665-6684.	3.2	25
24	Links between Tasmanian precipitation variability and the Indian Ocean subtropical high. Theoretical and Applied Climatology, 2019, 138, 1255-1267.	2.8	8
25	Sub synoptic scale features of the South Australia Storm of September 2016 â€“ Part II: analysis of mechanisms driving the gusts. Weather, 2019, 74, 301-307.	0.7	3
26	Subâ€synoptic scale features associated with extreme surface gusts during the South Australia Storm of September 2016 â€“ Part I: characteristics of the event. Weather, 2019, 74, 278-285.	0.7	2
27	Weakened Potential Vorticity Barrier Linked to Recent Winter Arctic Sea Ice Loss and Midlatitude Cold Extremes. Journal of Climate, 2019, 32, 4235-4261.	3.2	125
28	Development of a Front Identification Scheme for Compiling a Cold Front Climatology of the Mediterranean. Climate, 2019, 7, 130.	2.8	8
29	Midlatitude Fronts and Variability in the Southern Hemisphere Tropical Width. Journal of Climate, 2019, 32, 8243-8260.	3.2	31
30	Spatial and Temporal Variability and Trends in 2001â€“2016 Global Fire Activity. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2524-2536.	3.3	65
31	What causes extreme hot days in Europe?. Environmental Research Letters, 2018, 13, 071001.	5.2	14
32	Changes in Atmospheric Blocking Circulations Linked with Winter Arctic Warming: A New Perspective. Journal of Climate, 2018, 31, 7661-7678.	3.2	95
33	Polar Climate Change as Manifest in Atmospheric Circulation. Current Climate Change Reports, 2018, 4, 383-395.	8.6	123
34	Increased Quasi Stationarity and Persistence of Winter Ural Blocking and Eurasian Extreme Cold Events in Response to Arctic Warming. Part I: Insights from Observational Analyses. Journal of Climate, 2017, 30, 3549-3568.	3.2	193
35	Increased Quasi Stationarity and Persistence of Winter Ural Blocking and Eurasian Extreme Cold Events in Response to Arctic Warming. Part II: A Theoretical Explanation. Journal of Climate, 2017, 30, 3569-3587.	3.2	83
36	Dominant Covarying Climate Signals in the Southern Ocean and Antarctic Sea Ice Influence during the Last Three Decades. Journal of Climate, 2017, 30, 3055-3072.	3.2	52

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37	Atmospheric circulation patterns which promote winter Arctic sea ice decline. Environmental Research Letters, 2017, 12, 054017.	5.2	133
38	Revisiting the Cause of the 1989â€“2009 Arctic Surface Warming Using the Surface Energy Budget: Downward Infrared Radiation Dominates the Surface Fluxes. Geophysical Research Letters, 2017, 44, 10,654.	4.0	129
39	The Antarctic Circumpolar Wave: Its Presence and Interdecadal Changes during the Last 142 Years. Journal of Climate, 2017, 30, 6371-6389.	3.2	22
40	Variability, trends, and drivers of regional fluctuations in Australian fire activity. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7445-7460.	3.3	13
41	Comparison of the Synoptic Environment and Mechanisms of Two Cases of Surface Cyclogenesis in Greek Area Associated to Strong Low-Level Cold Surges. Springer Atmospheric Sciences, 2017, , 397-402.	0.3	0
42	Study of Cold Anticyclones Generating in the Mediterranean. Springer Atmospheric Sciences, 2017, , 515-520.	0.3	0
43	Assessing the Sensitivity of COSMO/GR Atmospheric Model to Effectively Simulate the Influence of Diabatic Heating on Eastern Mediterranean Explosive Cyclogenesis Under Different Parameterizations of the Model Physics. Springer Atmospheric Sciences, 2017, , 9-15.	0.3	0
44	Impact of Ural Blocking on Winter Warm Arcticâ€“Cold Eurasian Anomalies. Part I: Blocking-Induced Amplification. Journal of Climate, 2016, 29, 3925-3947.	3.2	270
45	Impact of Ural Blocking on Winter Warm Arcticâ€“Cold Eurasian Anomalies. Part II: The Link to the North Atlantic Oscillation. Journal of Climate, 2016, 29, 3949-3971.	3.2	152
46	Weekly cycles in peak time temperatures and urban heat island intensity. Environmental Research Letters, 2016, 11, 074003.	5.2	34
47	On the use of composite analyses to form physical hypotheses: An example from heat wave â€“ SST associations. Scientific Reports, 2016, 6, 29599.	3.3	43
48	A New Method for Identifying the Pacificâ€“South American Pattern and Its Influence on Regional Climate Variability. Journal of Climate, 2016, 29, 6109-6125.	3.2	55
49	Weekly cycles of global firesâ€”Associations with religion, wealth and culture, and insights into anthropogenic influences on global climate. Geophysical Research Letters, 2015, 42, 9579-9589.	4.0	21
50	A Novel Approach to Diagnosing Southern Hemisphere Planetary Wave Activity and Its Influence on Regional Climate Variability. Journal of Climate, 2015, 28, 9041-9057.	3.2	34
51	Variability and Trends of Global Atmospheric Frontal Activity and Links with Large-Scale Modes of Variability. Journal of Climate, 2015, 28, 3311-3330.	3.2	78
52	Large scale and sub-regional connections in the lead up to summer heat wave and extreme rainfall events in eastern Australia. Climate Dynamics, 2015, 44, 1823-1840.	3.8	59
53	Comparing and contrasting the behaviour of Arctic and Antarctic sea ice over the 35 year period 1979-2013. Annals of Glaciology, 2015, 56, 18-28.	1.4	242
54	Sensitivity of the distribution of thunderstorms to sea surface temperatures in four Australian east coast lows. Meteorology and Atmospheric Physics, 2015, 127, 499-517.	2.0	11

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55	Global Relationship between Fronts and Warm Conveyor Belts and the Impact on Extreme Precipitation*. Journal of Climate, 2015, 28, 8411-8429.	3.2	49
56	On the dynamics of a case study of explosive cyclogenesis in the Mediterranean. Meteorology and Atmospheric Physics, 2015, 127, 49-73.	2.0	13
57	Extratropical fronts in the lower troposphereâ€“global perspectives obtained from two automated methods. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 1686-1698.	2.7	80
58	What are the physical links between Arctic sea ice loss and Eurasian winter climate?. Environmental Research Letters, 2014, 9, 101003.	5.2	56
59	The Role of Extratropical Cyclones and Fronts for Southern Ocean Freshwater Fluxes. Journal of Climate, 2014, 27, 6205-6224.	3.2	69
60	Correcting Marine Surface Winds Simulated in Atmospheric Models Using Spatially and Temporally Varying Linear Regression. Weather and Forecasting, 2014, 29, 305-330.	1.4	6
61	Seasonal Aspects of an Objective Climatology of Anticyclones Affecting the Mediterranean. Journal of Climate, 2014, 27, 9272-9289.	3.2	24
62	A Comparison of Automated Methods of Front Recognition for Climate Studies: A Case Study in Southwest Western Australia. Monthly Weather Review, 2014, 142, 343-363.	1.4	58
63	Atmospheric impacts of Arctic sea-ice loss, 1979â€“2009: separating forced change from atmospheric internal variability. Climate Dynamics, 2014, 43, 333-344.	3.8	225
64	Large scale features and energetics of the hybrid subtropical low â€˜Duckâ€™ over the Tasman Sea. Climate Dynamics, 2014, 42, 453-466.	3.8	12
65	A high-resolution climatological study on the comparison between surface explosive and ordinary cyclones in the Mediterranean. Regional Environmental Change, 2014, 14, 1833-1846.	2.9	15
66	Amplified mid-latitude planetary waves favour particular regional weather extremes. Nature Climate Change, 2014, 4, 704-709.	18.8	273
67	Precipitation changes due to the introduction of eddy-resolved sea surface temperatures into simulations of the â€œPasha Bulkerâ€•Australian east coast low of June 2007. Meteorology and Atmospheric Physics, 2014, 125, 1-15.	2.0	23
68	Vertical characteristics of cyclonic tracks over the eastern Mediterranean during the cold period of the year. Theoretical and Applied Climatology, 2013, 112, 375-388.	2.8	13
69	The effect of statistical wind corrections on global wave forecasts. Ocean Modelling, 2013, 70, 116-131.	2.4	40
70	IMILAST: A Community Effort to Intercompare Extratropical Cyclone Detection and Tracking Algorithms. Bulletin of the American Meteorological Society, 2013, 94, 529-547.	3.3	391
71	Exploring links between Arctic amplification and midâ€latitude weather. Geophysical Research Letters, 2013, 40, 959-964.	4.0	336
72	The Atmospheric Response to Three Decades of Observed Arctic Sea Ice Loss. Journal of Climate, 2013, 26, 1230-1248.	3.2	314

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73	Identification of the development mechanisms of an explosive cyclone in the central Mediterranean with the aid of the MSG satellite images. , 2013, , .		3
74	Caution needed when linking weather extremes to amplified planetary waves. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2327.	7.1	60
75	Regional and Large-Scale Influences on Antarctic Peninsula Climate. Antarctic Research Series, 2013, , 31-42.	0.2	9
76	Mineral dust variability in central West Antarctica associated with ozone depletion. Atmospheric Chemistry and Physics, 2013, 13, 2165-2175.	4.9	16
77	Are Greenhouse Gas Signals of Northern Hemisphere winter extra-tropical cyclone activity dependent on the identification and tracking algorithm?. Meteorologische Zeitschrift, 2013, 22, 61-68.	1.0	77
78	Local and remote controls on observed Arctic warming. Geophysical Research Letters, 2012, 39, .	4.0	264
79	The great Arctic cyclone of August 2012. Geophysical Research Letters, 2012, 39, .	4.0	193
80	Identification and Climatology of Southern Hemisphere Mobile Fronts in a Modern Reanalysis. Journal of Climate, 2012, 25, 1945-1962.	3.2	109
81	On the vertical structure of Mediterranean explosive cyclones. Theoretical and Applied Climatology, 2012, 110, 155-176.	2.8	28
82	The characteristic variability and connection to the underlying synoptic activity of the Amundsenâ€Bellingshausen Seas Low. Journal of Geophysical Research, 2012, 117, .	3.3	116
83	Halfâ€century air temperature change above Antarctica: Observed trends and spatial reconstructions. Journal of Geophysical Research, 2012, 117, .	3.3	23
84	Declining summer snowfall in the Arctic: causes, impacts and feedbacks. Climate Dynamics, 2012, 38, 2243-2256.	3.8	128
85	Climate links and recent extremes in antarctic sea ice, high-latitude cyclones, Southern Annular Mode and ENSO. Climate Dynamics, 2012, 38, 57-73.	3.8	105
86	Erroneous Arctic Temperature Trends in the ERA-40 Reanalysis: A Closer Look. Journal of Climate, 2011, 24, 2620-2627.	3.2	98
87	Relationships between Antarctic cyclones and surface conditions as derived from high-resolution numerical weather prediction data. Journal of Geophysical Research, 2011, 116, .	3.3	50
88	Dramatic interannual changes of perennial Arctic sea ice linked to abnormal summer storm activity. Journal of Geophysical Research, 2011, 116, .	3.3	121
89	Assessing characteristics of Mediterranean explosive cyclones for different data resolution. Theoretical and Applied Climatology, 2011, 105, 263-275.	2.8	27
90	Climatological aspects of explosive cyclones in the Mediterranean. International Journal of Climatology, 2011, 31, 1785-1802.	3.5	56

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91	Scatterometer-derived Southern Ocean mesoscale cyclone activity over the last decade. IOP Conference Series: Earth and Environmental Science, 2010, 11, 012039.	0.3	0
92	A methodology of tracking transitioning Cyclones. IOP Conference Series: Earth and Environmental Science, 2010, 11, 012007.	0.3	5
93	Environmental energetics of an exceptional highâ€latitude storm. Atmospheric Science Letters, 2010, 11, 39-45.	1.9	7
94	The unusual Buenos Aires snowfall of July 2007. Atmospheric Science Letters, 2010, 11, 249-254.	1.9	5
95	The central role of diminishing sea ice in recent Arctic temperature amplification. Nature, 2010, 464, 1334-1337.	27.8	1,733
96	Mesoscale Cyclone Activity over the Ice-Free Southern Ocean: 1999â€“2008. Journal of Climate, 2010, 23, 5404-5420.	3.2	36
97	Interactions between Hurricane Catarina (2004) and warm core rings in the South Atlantic Ocean. Journal of Geophysical Research, 2010, 115, .	3.3	26
98	Increasing fallâ€winter energy loss from the Arctic Ocean and its role in Arctic temperature amplification. Geophysical Research Letters, 2010, 37, .	4.0	279
99	New perspectives on the synoptic and mesoscale structure of Hurricane Catarina. Atmospheric Research, 2010, 95, 157-171.	4.1	15
100	On Cyclonic Tracks over the Eastern Mediterranean. Journal of Climate, 2010, 23, 5243-5257.	3.2	107
101	Cold Events over Southern Australia: Synoptic Climatology and Hemispheric Structure. Journal of Climate, 2009, 22, 6679-6698.	3.2	26
102	Climate perspective on the largeâ€scale circulation associated with the transition of the first South Atlantic hurricane. International Journal of Climatology, 2009, 29, 1116-1130.	3.5	15
103	Effect of tropospheric temperature change on the zonal mean circulation and SH winter extratropical cyclones. Climate Dynamics, 2009, 33, 19-32.	3.8	44
104	New perspectives on the synoptic development of the severe October 1992 Nome storm. Geophysical Research Letters, 2009, 36, .	4.0	27
105	Extraordinary September Arctic sea ice reductions and their relationships with storm behavior over 1979â€“2008. Geophysical Research Letters, 2009, 36, .	4.0	189
106	Observation and modeling of stable water isotopes as diagnostics of rainfall dynamics over southeastern Australia. Journal of Geophysical Research, 2009, 114, .	3.3	52
107	Validation of Jason-1 and Envisat Remotely Sensed Wave Heights. Journal of Atmospheric and Oceanic Technology, 2009, 26, 123-134.	1.3	90
108	Biases in the calculation of Southern Hemisphere mean baroclinic eddy growth rate. Geophysical Research Letters, 2009, 36, .	4.0	64

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109	Largeâ€scale Factors in Tropical and Extratropical Cyclone Transition and Extreme Weather Events. Annals of the New York Academy of Sciences, 2008, 1146, 189-211.	3.8	9
110	Synoptic controls upon Î´¹⁸O in southern Tasmanian precipitation. Geophysical Research Letters, 2008, 35, .	4.0	32
111	A classification of wave generation characteristics during large wave events on the Southern Australian margin. Continental Shelf Research, 2008, 28, 634-652.	1.8	44
112	An analysis of the environmental energetics associated with the transition of the first South Atlantic hurricane. Geophysical Research Letters, 2008, 35, .	4.0	30
113	Southern Hemisphere Synoptic Behavior in Extreme Phases of SAM, ENSO, Sea Ice Extent, and Southern Australia Rainfall. Journal of Climate, 2008, 21, 5566-5584.	3.2	89
114	Arctic Climate Change as Manifest in Cyclone Behavior. Journal of Climate, 2008, 21, 5777-5796.	3.2	177
115	Impact of changing climate and land use on the hydrogeology of southeast Australia â^—. Australian Journal of Earth Sciences, 2008, 55, 1009-1021.	1.0	22
116	Southern Hemisphere Winter Extratropical Cyclone Characteristics and Vertical Organization Observed with the ERA-40 Data in 1979â€“2001. Journal of Climate, 2007, 20, 2675-2690.	3.2	128
117	Association between Australian rainfall and the Southern Annular Mode. International Journal of Climatology, 2007, 27, 109-121.	3.5	228
118	Southern hemisphere cyclones and anticyclones: recent trends and links with decadal variability in the Pacific Ocean. International Journal of Climatology, 2007, 27, 1403-1419.	3.5	87
119	Sea surface temperatureâ€“induced cyclogenesis in the Antarctic circumpolar wave. Journal of Geophysical Research, 2006, 111, .	3.3	20
120	Modeling Î´18O in tropical precipitation and the surface ocean for present-day climate. Journal of Geophysical Research, 2006, 111, .	3.3	45
121	Coincident vortices in Antarctic wind fields and sea ice motion. Geophysical Research Letters, 2006, 33, .	4.0	7
122	Control of the Antarctic ice sheet by oceanâ€“ice interaction. Global and Planetary Change, 2006, 50, 99-111.	3.5	3
123	Road accidents and rainfall in a large Australian city. Accident Analysis and Prevention, 2006, 38, 445-454.	5.7	79
124	Simulated Antarctic precipitation and surface mass balance at the end of the twentieth and twenty-first centuries. Climate Dynamics, 2006, 28, 215-230.	3.8	144
125	Southern Hemisphere Annular Mode Variability and the Role of Optimal Nonmodal Growth. Journals of the Atmospheric Sciences, 2005, 62, 1947-1961.	1.7	12
126	The association of rainfall and other weather variables with road traffic volume in Melbourne, Australia. Accident Analysis and Prevention, 2005, 37, 109-124.	5.7	220

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127	Large-scale Vertical Momentum, Kinetic Energy and Moisture Fluxes in the Antarctic Sea-ice Region. Boundary-Layer Meteorology, 2005, 117, 149-177.	2.3	31
128	The first South Atlantic hurricane: Unprecedented blocking, low shear and climate change. Geophysical Research Letters, 2005, 32, .	4.0	97
129	Simultaneous mass balance inverse modeling of methane and carbon monoxide. Journal of Geophysical Research, 2005, 110, .	3.3	25
130	Sea ice control of water isotope transport to Antarctica and implications for ice core interpretation. Journal of Geophysical Research, 2004, 109, .	3.3	82
131	Sensitivity of the Î´18O-temperature relationship to the distribution of continents. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	9
132	Mass balance inverse modelling of methane in the 1990s using a Chemistry Transport Model. Atmospheric Chemistry and Physics, 2004, 4, 2561-2580.	4.9	16
133	Tropospheric Response in the Antarctic Circumpolar Wave along the Sea Ice Edge around Antarctica. Journal of Climate, 2004, 17, 2765-2779.	3.2	31
134	Eddyâ€“Zonal Flow Interactions Associated with the Southern Hemisphere Annular Mode: Results from NCEPâ€“DOE Reanalysis and a Quasi-Linear Model. Journals of the Atmospheric Sciences, 2004, 61, 873-888.	1.7	19
135	Global and hemispheric climate variations affecting the Southern Ocean. Antarctic Science, 2004, 16, 401-413.	0.9	80
136	Modes of atmospheric variability over the Southern Ocean. Journal of Geophysical Research, 2003, 108, SOV 5-1.	3.3	97
137	Synoptic Activity in the Seas around Antarctica. Monthly Weather Review, 2003, 131, 272-288.	1.4	182
138	Associations betweenÎ´18O of Water and Climate Parameters in a Simulation of Atmospheric Circulation for 1979â€“95. Journal of Climate, 2002, 15, 3150-3169.	3.2	184
139	Explosive Cyclone Development in the Southern Hemisphere and a Comparison with Northern Hemisphere Events. Monthly Weather Review, 2002, 130, 2188-2209.	1.4	124
140	Annular variations in moisture transport mechanisms and the abundance of Î´18O in Antarctic snow. Journal of Geophysical Research, 2002, 107, ACL 3-1.	3.3	86
141	Distribution and temporal variability of 500 hPa cyclone characteristics in the Southern Hemisphere. International Journal of Climatology, 2002, 22, 131-150.	3.5	48
142	Surface fluxes of momentum and mechanical energy over the North Pacific and North Atlantic Oceans. Meteorology and Atmospheric Physics, 2002, 80, 1-18.	2.0	44
143	Effects of changing baroclinicity on the southern hemisphere extratropical circulation. Quarterly Journal of the Royal Meteorological Society, 2002, 128, 1807-1826.	2.7	6
144	Current Trends in Antarctic Sea Ice: The 1990s Impact on a Short Climatology. Journal of Climate, 2000, 13, 4441-4451.	3.2	48

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145	Size Changes over the Life of Sea Level Cyclones in the NCEP Reanalysis. Monthly Weather Review, 2000, 128, 4118-4125.	1.4	50
146	Associations between varying magnitudes of the urban heat island and the synoptic climatology in Melbourne, Australia. International Journal of Climatology, 2000, 20, 1931-1954.	3.5	120
147	Synoptic comparison of cold events in winter and summerin Melbourne and Perth. Theoretical and Applied Climatology, 2000, 67, 19-32.	2.8	24
148	Calculating CO2 fluxes by data assimilation coupled to a three dimensional mass balance inversion. Geophysical Monograph Series, 2000, , 255-264.	0.1	2
149	Variability of Southern Hemisphere Extratropical Cyclone Behavior, 1958â€“97. Journal of Climate, 2000, 13, 550-561.	3.2	184
150	Sigma-coordinate calculation of topographically forced baroclinicity around Antarctica. Dynamics of Atmospheres and Oceans, 2000, 33, 1-29.	1.8	32
151	Mean Southern Hemisphere Extratropical Cyclone Behavior in the 40-Year NCEPâ€“NCAR Reanalysis. Journal of Climate, 2000, 13, 873-885.	3.2	320
152	A late spring surge in the open water of the Antarctic sea ice pack. Geophysical Research Letters, 1999, 26, 1481-1484.	4.0	23
153	Southern Extratropical Cyclone Behavior in ECMWF Analyses during the FROST Special Observing Periods. Weather and Forecasting, 1999, 14, 878-891.	1.4	93
154	Baroclinicity, Meridional Temperature Gradients, and the Southern Semiannual Oscillation. Journal of Climate, 1999, 12, 3376-3382.	3.2	50
155	The mean structure and temporal variability of the semiannual oscillation in the southern extratropics. International Journal of Climatology, 1998, 18, 473-504.	3.5	83
156	Seasonal and regional responses to changes in Australian soil moisture conditions. International Journal of Climatology, 1998, 18, 1105-1139.	3.5	12
157	Implications for the interpretation of ice-core isotope data from analysis of modelled Antarctic precipitation. Annals of Glaciology, 1998, 27, 398-402.	1.4	38
158	Relationships between Antarctic sea-ice concentration, wind stress and temperature temporal variability, and their changes with distance from the coast. Annals of Glaciology, 1998, 27, 409-412.	1.4	9
159	Multi-decadal climate variability in the Antarctic region and global change. Annals of Glaciology, 1998, 27, 617-622.	1.4	15
160	Weekly cycle of meteorological variations in Melbourne and the role of pollution and anthropogenic heat release. Atmospheric Environment, 1997, 31, 1589-1603.	4.1	74
161	Decadal and centennial variability of the southern semiannual oscillation simulated in the GFDL coupled GCM. Climate Dynamics, 1997, 14, 45-53.	3.8	18
162	Association between modes of variability of January Northern Hemisphere snow cover and circulation. Theoretical and Applied Climatology, 1997, 58, 197-210.	2.8	7

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163	INTERANNUAL VARIABILITY OF SOUTH-EASTERN AFRICAN SUMMER RAINFALL. PART II. MODELLING THE IMPACT OF SEA-SURFACE TEMPERATURES ON RAINFALL AND CIRCULATION. International Journal of Climatology, 1997, 17, 267-290.	3.5	41
164	Persistence Characteristics of Australian Rainfall Anomalies. International Journal of Climatology, 1997, 17, 597-613.	3.5	57
165	Comparison of sea ice simulations with interactive and monthly averaged forcing models. Journal of Geophysical Research, 1996, 101, 9359-9374.	3.3	13
166	The Antarctic First Regional Observing Study of the Troposphere (FROST) Project. Bulletin of the American Meteorological Society, 1996, 77, 2007-2032.	3.3	58
167	Modelled atmospheric response to changes in Northern Hemisphere snow cover. Climate Dynamics, 1996, 13, 25-34.	3.8	110
168	AN ANALYSIS OF ANTARCTIC SEA-ICE AND EXTRATROPICAL CYCLONE ASSOCIATIONS. International Journal of Climatology, 1996, 16, 1315-1332.	3.5	39
169	The sensitivity of deduced CO2 sources and sinks to variations in transport and imposed surface concentrations. Tellus, Series B: Chemical and Physical Meteorology, 1996, 48, 613-625.	1.6	15
170	Southern hemisphere climate system recovery from â€˜instantaneousâ€™ sea-ice removal. Quarterly Journal of the Royal Meteorological Society, 1996, 122, 1501-1520.	2.7	11
171	Relationships between Summer Rainfall over China and Ocean Temperatures in the Tropical Western Pacific. Journal of the Meteorological Society of Japan, 1996, 74, 273-279.	1.8	19
172	Southern hemisphere climate system recovery from 'instantaneous' sea-ice removal. Quarterly Journal of the Royal Meteorological Society, 1996, 122, 1501-1520.	2.7	4
173	Associations between Antarctic katabatic flow and the upper level winter vortex. International Journal of Climatology, 1995, 15, 403-421.	3.5	35
174	Relationships between the Interannual Variability of Antarctic Sea Ice and the Southern Oscillation. Journal of Climate, 1995, 8, 637-647.	3.2	185
175	Responses of climate and cyclones to reductions in Arctic winter sea ice. Journal of Geophysical Research, 1995, 100, 4791.	3.3	71
176	Sensitivity of numerical prognoses to Antarctic sea ice distribution. Journal of Geophysical Research, 1995, 100, 22681.	3.3	28
177	A climatology of Southern Hemisphere anticyclones. Climate Dynamics, 1994, 10, 333-348.	3.8	67
178	A climatology of Southern Hemisphere anticyclones. Climate Dynamics, 1994, 10, 333-348.	3.8	3
179	A climatology of Southern Hemisphere extratropical cyclones. Climate Dynamics, 1993, 9, 131-145.	3.8	213
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