

# Darryn W Waugh

## 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.

222  
papers

10,600  
citations

58  
h-index

95  
g-index

262  
ext. papers

11,710  
ext. citations

5.4  
avg, IF

6.41  
L-index

#	Paper	IF	Citations
222	Winter Weakening of Titan's Stratospheric Polar Vortices. <i>Planetary Science Journal</i> , <b>2022</b> , 3, 73	2.9	2
221	Dynamical Regimes of Polar Vortices on Terrestrial Planets with a Seasonal Cycle. <i>Planetary Science Journal</i> , <b>2022</b> , 3, 94	2.9	2
220	Response of the Upper-Level Monsoon Anticyclones and Ozone to Abrupt CO2 Changes. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD034903	4.4	
219	Interannual SAM Modulation of Antarctic Sea Ice Extent Does Not Account for Its Long-Term Trends, Pointing to a Limited Role for Ozone Depletion. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL094871	4.9	1
218	Interbasin Differences in Ocean Ventilation in Response to Variations in the Southern Annular Mode. <i>Journal of Geophysical Research: Oceans</i> , <b>2021</b> , 126, e2020JC016540	3.3	1
217	How Frequent Are Antarctic Sudden Stratospheric Warmings in Present and Future Climate?. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093215	4.9	9
216	Jet Stream-Surface Tracer Relationships: Mechanism and Sensitivity to Source Region. <i>Geophysical Research Letters</i> , <b>2021</b> , 48,	4.9	1
215	Indoor heat exposure in Baltimore: does outdoor temperature matter?. <i>International Journal of Biometeorology</i> , <b>2021</b> , 65, 479-488	3.7	1
214	Ventilation of the Southern Ocean Pycnocline. <i>Annual Review of Marine Science</i> , <b>2021</b> ,	15.4	5
213	The emergence of a summer hemisphere jet in planetary atmospheres. <i>Journals of the Atmospheric Sciences</i> , <b>2021</b> ,	2.1	3
212	The Ekman Streamfunction and the Eulerian and Residual Overturning Circulations of the Southern Ocean. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093438	4.9	0
211	Tropospheric Age-of-Air: Influence of SF6 Emissions on Recent Surface Trends and Model Biases. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035451	4.4	0
210	Monitoring intra-urban temperature with dense sensor networks: Fixed or mobile? An empirical study in Baltimore, MD. <i>Urban Climate</i> , <b>2021</b> , 39, 100979	6.8	1
209	Surface Ozone-Meteorology Relationships: Spatial Variations and the Role of the Jet Stream. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032735	4.4	3
208	Seasonality of the MJO Impact on Upper Troposphere/Lower Stratosphere Temperature, Circulation, and Composition. <i>Journals of the Atmospheric Sciences</i> , <b>2020</b> , 77, 1455-1473	2.1	2
207	How Rapidly Do the Southern Subtropical Oceans Respond to Wind Stress Changes?. <i>Journal of Geophysical Research: Oceans</i> , <b>2020</b> , 125, e2020JC016236	3.3	3
206	Description and Evaluation of the specified-dynamics experiment in the Chemistry-Climate Model Initiative. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 3809-3840	6.8	9

205	A pause in Southern Hemisphere circulation trends due to the Montreal Protocol. <i>Nature</i> , <b>2020</b> , 579, 544-548	50.4	56
204	Atmospheric transport into polar regions on Mars in different orbital epochs. <i>Icarus</i> , <b>2020</b> , 347, 113816	3.8	4
203	Forcing of the Martian polar annulus by Hadley cell transport and latent heating. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2020</b> , 146, 2174-2190	6.4	6
202	Tropical Widening: From Global Variations to Regional Impacts. <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, E897-E904	6.1	11
201	Dependence of Atmospheric Transport Into the Arctic on the Meridional Extent of the Hadley Cell. <i>Geophysical Research Letters</i> , <b>2020</b> , 47,	4.9	0
200	Response of the Southern Ocean Overturning Circulation to Extreme Southern Annular Mode Conditions. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL091103	4.9	2
199	Spatial and temporal variation in the isotopic composition of Ethiopian precipitation. <i>Journal of Hydrology</i> , <b>2020</b> , 585, 124364	6	11
198	Relationship between Age and Oxygen along Line W in the Northwest Atlantic Ocean. <i>Ocean Science Journal</i> , <b>2020</b> , 55, 203-217	1.1	1
197	Contrasting Recent Trends in Southern Hemisphere Westerlies Across Different Ocean Basins. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088890	4.9	7
196	Evaluating Simulations of Interhemispheric Transport: Interhemispheric Exchange Time Versus SF6 Age. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 1113-1120	4.9	6
195	Response of Southern Ocean Ventilation to Changes in Midlatitude Westerly Winds. <i>Journal of Climate</i> , <b>2019</b> , 32, 5345-5361	4.4	14
194	Large-scale transport into the Arctic: the roles of the midlatitude jet and the Hadley Cell. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 5511-5528	6.8	7
193	Age of martian air: Time scales for martian atmospheric transport. <i>Icarus</i> , <b>2019</b> , 317, 148-157	3.8	10
192	Disentangling the Drivers of the Summertime Ozone-Temperature Relationship Over the United States. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 10503-10524	4.4	13
191	The Southern Ocean Sea Surface Temperature Response to Ozone Depletion: A Multimodel Comparison. <i>Journal of Climate</i> , <b>2019</b> , 32, 5107-5121	4.4	7
190	Using Project Loon Superpressure Balloon Observations to Investigate the Inertial Peak in the Intrinsic Wind Spectrum in the Midlatitude Stratosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 8594-8604	4.4	2
189	Disconnect Between Hadley Cell and Subtropical Jet Variability and Response to Increased CO2. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 7045-7053	4.9	9
188	Recent Tropical Expansion: Natural Variability or Forced Response?. <i>Journal of Climate</i> , <b>2019</b> , 32, 1551-1574	17.4	56

187	Large Uncertainty in the Relative Rates of Dynamical and Hydrological Tropical Expansion. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 1106-1113	4.9	8
186	Spatial and temporal variability of interhemispheric transport times. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 7439-7452	6.8	12
185	Revisiting the Relationship among Metrics of Tropical Expansion. <i>Journal of Climate</i> , <b>2018</b> , 31, 7565-7581	4.4	44
184	The Influence of the Lower Stratosphere on Ridging Atlantic Ocean Anticyclones over South Africa. <i>Journal of Climate</i> , <b>2018</b> , 31, 6175-6187	4.4	12
183	Relationship between Ocean Carbon and Heat Multidecadal Variability. <i>Journal of Climate</i> , <b>2018</b> , 31, 1467-1482	4.4	7
182	The TropD software package (v1): standardized methods for calculating tropical-width diagnostics. <i>Geoscientific Model Development</i> , <b>2018</b> , 11, 4339-4357	6.3	26
181	The Impact of Boreal Summer ENSO Events on Tropical Lower Stratospheric Ozone. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 9843-9857	4.4	10
180	Large-scale tropospheric transport in the Chemistry Climate Model Initiative (CCMI) simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 7217-7235	6.8	25
179	Large-scale transport into the Arctic: the roles of the midlatitude jet and the Hadley Cell <b>2018</b> ,		1
178	Connections between summer air pollution and stagnation. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 084001	6.2	21
177	Decoupling the Effects of Transport and Chemical Loss on Tropospheric Composition: A Model Study of Path-Dependent Lifetimes. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 2320-2335	4.4	1
176	Reduced Urban Heat Island intensity under warmer conditions. <i>Environmental Research Letters</i> , <b>2018</b> , 13,	6.2	54
175	What Is the Polar Vortex and How Does It Influence Weather?. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 37-44	6.1	107
174	Transient Response of the Southern Ocean to Changing Ozone: Regional Responses and Physical Mechanisms. <i>Journal of Climate</i> , <b>2017</b> , 30, 2463-2480	4.4	14
173	The Stability of Mars' Annular Polar Vortex. <i>Journals of the Atmospheric Sciences</i> , <b>2017</b> , 74, 1533-1547	2.1	18
172	Robustness of the Simulated Tropospheric Response to Ozone Depletion. <i>Journal of Climate</i> , <b>2017</b> , 30, 2577-2585	4.4	19
171	What causes Mars' annular polar vortices?. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 71-78	4.9	22
170	The Role of Monsoon-like Zonally Asymmetric Heating in Interhemispheric Transport. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 3282-3298	4.4	6

169	The Impact of Ozone-Depleting Substances on Tropical Upwelling, as Revealed by the Absence of Lower-Stratospheric Cooling since the Late 1990s. <i>Journal of Climate</i> , <b>2017</b> , 30, 2523-2534	4.4	29
168	Temperature and heat in informal settlements in Nairobi. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187300	3.7	33
167	Large-Scale Tropospheric Transport in the Chemistry Climate Model Initiative (CCMI) Simulations <b>2017</b> ,		2
166	Regional Responses to Black Carbon Aerosols: The Importance of Air-Sea Interaction. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 12,982	4.4	4
165	Intraurban Temperature Variability in Baltimore. <i>Journal of Applied Meteorology and Climatology</i> , <b>2017</b> , 56, 159-171	2.7	19
164	Time-varying changes in the simulated structure of the BrewerDobson Circulation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 1313-1327	6.8	22
163	Response of trace gases to the disrupted 2015-2016 quasi-biennial oscillation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 6813-6823	6.8	29
162	Hemispheric differences in the annual cycle of tropical lower stratosphere transport and tracers. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 7183-7199	4.4	3
161	Large-Scale Atmospheric Transport in GEOS Replay Simulations. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2017</b> , 9, 2545-2560	7.1	39
160	Tropospheric transport differences between models using the same large-scale meteorological fields. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 1068-1078	4.9	25
159	Time varying changes in the simulated structure of the Brewer Dobson Circulation <b>2016</b> ,		1
158	The Transient Response of the Southern Ocean to Stratospheric Ozone Depletion. <i>Journal of Climate</i> , <b>2016</b> , 29, 7383-7396	4.4	19
157	The Transit-Time Distribution from the Northern Hemisphere Midlatitude Surface. <i>Journals of the Atmospheric Sciences</i> , <b>2016</b> , 73, 3785-3802	2.1	20
156	Martian polar vortices: Comparison of reanalyses. <i>Journal of Geophysical Research E: Planets</i> , <b>2016</b> , 121, 1770-1785	4.1	26
155	Contrasting upper and lower atmospheric metrics of tropical expansion in the Southern Hemisphere. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 10,496	4.9	36
154	Impacts of Interactive Stratospheric Chemistry on Antarctic and Southern Ocean Climate Change in the Goddard Earth Observing System - Version 5 (GEOS-5). <i>Journal of Climate</i> , <b>2016</b> , 29, 3199-3218	4.4	30
153	The effect of dust on the martian polar vortices. <i>Icarus</i> , <b>2016</b> , 278, 100-118	3.8	18
152	Respiratory Effects of Indoor Heat and the Interaction with Air Pollution in Chronic Obstructive Pulmonary Disease. <i>Annals of the American Thoracic Society</i> , <b>2016</b> , 13, 2125-2131	4.7	25

151	Isolating the roles of different forcing agents in global stratospheric temperature changes using model integrations with incrementally added single forcings. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 8067-8082	4.4	30
150	Variability and potential sources of summer PM2.5 in the Northeastern United States. <i>Atmospheric Environment</i> , <b>2015</b> , 117, 259-270	5.3	7
149	Air-mass origin in the tropical lower stratosphere: The influence of Asian boundary layer air. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 4240-4248	4.9	36
148	Airmass Origin in the Arctic. Part I: Seasonality. <i>Journal of Climate</i> , <b>2015</b> , 28, 4997-5014	4.4	15
147	Evaluating methods for spatial mapping: Applications for estimating ozone concentrations across the contiguous United States. <i>Environmental Technology and Innovation</i> , <b>2015</b> , 3, 1-10	7	23
146	Southern Hemisphere extratropical circulation: Recent trends and natural variability. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 5508-5515	4.9	34
145	Recent Hadley cell expansion: The role of internal atmospheric variability in reconciling modeled and observed trends. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 10,824-10,831	4.9	58
144	Interhemispheric transit time distributions and path-dependent lifetimes constrained by measurements of SF6, CFCs, and CFC replacements. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 4581-4589	4.9	17
143	Drivers of the Recent Tropical Expansion in the Southern Hemisphere: Changing SSTs or Ozone Depletion?. <i>Journal of Climate</i> , <b>2015</b> , 28, 6581-6586	4.4	70
142	Impact of future nitrous oxide and carbon dioxide emissions on the stratospheric ozone layer. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 034011	6.2	19
141	Air-mass Origin in the Arctic. Part II: Response to Increases in Greenhouse Gases. <i>Journal of Climate</i> , <b>2015</b> , 28, 9105-9120	4.4	8
140	Classification of atmospheric river events on the U.S. West Coast using a trajectory model. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 3007-3028	4.4	31
139	Seasonality in future tropical lower stratospheric temperature trends. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 980-991	4.4	2
138	Seasonal variation of ozone in the tropical lower stratosphere: Southern tropics are different from northern tropics. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 6196-6206	4.4	21
137	Changes in the ventilation of the southern oceans. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2014</b> , 372, 20130269	3	13
136	Seasonal ventilation of the stratosphere: Robust diagnostics from one-way flux distributions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 293-306	4.4	5
135	Modifications of the quasi-biennial oscillation by a geoengineering perturbation of the stratospheric aerosol layer. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 1738-1744	4.9	77
134	Tropospheric Rossby Wave Breaking and Variability of the Latitude of the Eddy-Driven Jet. <i>Journal of Climate</i> , <b>2014</b> , 27, 7069-7085	4.4	13

133	Uncertainty in model predictions of <i>Vibrio vulnificus</i> response to climate variability and change: a Chesapeake Bay case study. <i>PLoS ONE</i> , <b>2014</b> , 9, e98256	3.7	16
132	Are the teleconnections of Central Pacific and Eastern Pacific El Niño distinct in boreal wintertime?. <i>Climate Dynamics</i> , <b>2013</b> , 41, 1835-1852	4.2	70
131	The Effect of Tropospheric Jet Latitude on Coupling between the Stratospheric Polar Vortex and the Troposphere. <i>Journal of Climate</i> , <b>2013</b> , 26, 2077-2095	4.4	88
130	Southern Hemisphere Stationary Wave Response to Changes of Ozone and Greenhouse Gases. <i>Journal of Climate</i> , <b>2013</b> , 26, 10205-10217	4.4	8
129	Contrasting Effects of Central Pacific and Eastern Pacific El Niño on stratospheric water vapor. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 4115-4120	4.9	27
128	The impact of a realistic vertical dust distribution on the simulation of the Martian General Circulation. <i>Journal of Geophysical Research E: Planets</i> , <b>2013</b> , 118, 980-993	4.1	29
127	Estimating changes in ocean ventilation from early 1990s CFC-12 and late 2000s SF6 measurements. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 927-932	4.9	23
126	Connections between the Spring Breakup of the Southern Hemisphere Polar Vortex, Stationary Waves, and AirSea Roughness. <i>Journals of the Atmospheric Sciences</i> , <b>2013</b> , 70, 2137-2151	2.1	10
125	Impact of Rossby Wave Breaking on U.S. West Coast Winter Precipitation during ENSO Events. <i>Journal of Climate</i> , <b>2013</b> , 26, 6360-6382	4.4	56
124	Recent changes in the ventilation of the southern oceans. <i>Science</i> , <b>2013</b> , 339, 568-70	33.3	104
123	The ozone response to ENSO in Aura satellite measurements and a chemistry-climate simulation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 965-976	4.4	74
122	Tropospheric SF6: Age of air from the Northern Hemisphere midlatitude surface. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 11,429-11,441	4.4	30
121	High-altitude dust layers on Mars: Observations with the Thermal Emission Spectrometer. <i>Journal of Geophysical Research E: Planets</i> , <b>2013</b> , 118, 1177-1194	4.1	55
120	Air-mass origin as a diagnostic of tropospheric transport. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 1459-1470	4.4	25
119	Temperature trends in the tropical upper troposphere and lower stratosphere: Connections with sea surface temperatures and implications for water vapor and ozone. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 9658-9672	4.4	38
118	Diagnosing Ocean Stirring: Comparison of Relative Dispersion and Finite-Time Lyapunov Exponents. <i>Journal of Physical Oceanography</i> , <b>2012</b> , 42, 1173-1185	2.4	15
117	Seasonal variations of stratospheric age spectra in the Goddard Earth Observing System Chemistry Climate Model (GEOSCCM). <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		26
116	Chemistry-climate model simulations of recent trends in lower stratospheric temperature and stratospheric residual circulation. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		10

115	Observations of planetary waves and nonmigrating tides by the Mars Climate Sounder. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		34
114	Why might stratospheric sudden warmings occur with similar frequency in El Niño and La Niña winters?. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		68
113	Long-term changes in stratospheric age spectra in the 21st century in the Goddard Earth Observing System Chemistry-Climate Model (GEOSCCM). <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		20
112	The impact of greenhouse gases on past changes in tropospheric ozone. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		7
111	Antarctic ozone depletion and trends in tropopause Rossby wave breaking. <i>Atmospheric Science Letters</i> , <b>2012</b> , 13, 164-168	2.4	10
110	Does the Holton-Mann Mechanism Explain How the Quasi-Biennial Oscillation Modulates the Arctic Polar Vortex?. <i>Journals of the Atmospheric Sciences</i> , <b>2012</b> , 69, 1713-1733	2.1	94
109	Observed connection between stratospheric sudden warmings and the Madden-Julian Oscillation. <i>Geophysical Research Letters</i> , <b>2012</b> , 39,	4.9	109
108	How Good are Chemistry-Climate Models?. <i>Research Topics in Aerospace</i> , <b>2012</b> , 763-779		
107	Impact of climate change on the frequency of Northern Hemisphere summer cyclones. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		20
106	The response of tropical tropospheric ozone to ENSO. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	78
105	Ozone database in support of CMIP5 simulations: results and corresponding radiative forcing. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 11267-11292	6.8	221
104	Stratospheric Ozone Depletion: The Main Driver of Twentieth-Century Atmospheric Circulation Changes in the Southern Hemisphere. <i>Journal of Climate</i> , <b>2011</b> , 24, 795-812	4.4	437
103	A Climatology of Rossby Wave Breaking on the Southern Hemisphere Tropopause. <i>Journals of the Atmospheric Sciences</i> , <b>2011</b> , 68, 798-811	2.1	33
102	Multi-model assessment of stratospheric ozone return dates and ozone recovery in CCMVal-2 models. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 9451-9472	6.8	179
101	Chemistry-Climate Model Simulations of Twenty-First Century Stratospheric Climate and Circulation Changes. <i>Journal of Climate</i> , <b>2010</b> , 23, 5349-5374	4.4	242
100	Mechanisms and feedback causing changes in upper stratospheric ozone in the 21st century. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		33
99	Review of the formulation of present-generation stratospheric chemistry-climate models and associated external forcings. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		134
98	Narrowing of the upwelling branch of the Brewer-Dobson circulation and Hadley cell in chemistry-climate model simulations of the 21st century. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	14



97	Multimodel assessment of the factors driving stratospheric ozone evolution over the 21st century. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		56
96	The potential to narrow uncertainty in projections of stratospheric ozone over the 21st century. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 9473-9486	6.8	20
95	The link between cut-off lows and Rossby wave breaking in the Southern Hemisphere. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2010</b> , 136, 869-885	6.4	42
94	Stratospheric polar vortices. <i>Geophysical Monograph Series</i> , <b>2010</b> , 43-57	1.1	37
93	PDFs of Tropical Tropospheric Humidity: Measurements and Theory. <i>Journal of Climate</i> , <b>2009</b> , 22, 3357-3373	4.4	13
92	The Impact of Stratospheric Ozone Recovery on Tropopause Height Trends. <i>Journal of Climate</i> , <b>2009</b> , 22, 429-445	4.4	58
91	Ozone hole and Southern Hemisphere climate change. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	143
90	Effect of zonal asymmetries in stratospheric ozone on simulated Southern Hemisphere climate trends. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	64
89	On the influence of anthropogenic forcings on changes in the stratospheric mean age. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		69
88	Impacts of climate change on stratospheric ozone recovery. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	84
87	Anthropogenic carbon distributions in the Atlantic Ocean: data-based estimates from the Arctic to the Antarctic. <i>Biogeosciences</i> , <b>2009</b> , 6, 439-451	4.6	98
86	Middepth spreading in the subpolar North Atlantic Ocean: Reconciling CFC-11 and float observations. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		5
85	Use of SF <sub>6</sub> to estimate anthropogenic CO <sub>2</sub> in the upper ocean. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		57
84	On transit-time distributions in unsteady circulation models. <i>Ocean Modelling</i> , <b>2008</b> , 21, 35-45	3	30
83	Stirring in the global surface ocean. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	66
82	Connections between Potential Vorticity Intrusions and Convection in the Eastern Tropical Pacific. <i>Journals of the Atmospheric Sciences</i> , <b>2008</b> , 65, 987-1002	2.1	57
81	Understanding the Changes of Stratospheric Water Vapor in Coupled Chemistry-Climate Model Simulations. <i>Journals of the Atmospheric Sciences</i> , <b>2008</b> , 65, 3278-3291	2.1	40
80	Internal Variability of the Winter Stratosphere. Part II: Time-Dependent Forcing. <i>Journals of the Atmospheric Sciences</i> , <b>2008</b> , 65, 2375-2388	2.1	5

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