Toshio Yamagata

List of Publications by Citations

186 papers	16,405 citations	68 h-index	124 g-index
191 ext. papers	18,218 ext. citations	4.9 avg, IF	6.69 L-index

#	Paper	IF	Citations
186	El Niño Modoki and its possible teleconnection. *Journal of Geophysical Research*, **2007**, 112,		1770
185	ENSO theory. *Journal of Geophysical Research*, **1998**, 103, 14261-14290		705
184	Impact of the Indian Ocean dipole on the relationship between the Indian monsoon rainfall and ENSO. *Geophysical Research Letters*, **2001**, 28, 4499-4502	4.9	675
183	Impacts of recent El Niño Modoki on dry/wet conditions in the Pacific rim during boreal summer. *Climate Dynamics*, **2007**, 29, 113-129	4.2	427
182	Individual and Combined Influences of ENSO and the Indian Ocean Dipole on the Indian Summer Monsoon. *Journal of Climate*, **2004**, 17, 3141-3155	4.4	418
181	Influence of the Indian Ocean Dipole on the Australian winter rainfall. *Geophysical Research Letters*, **2003**, 30,	4.9	329
180	Subtropical SST dipole events in the southern Indian Ocean. *Geophysical Research Letters*, **2001**, 28, 327-330	4.9	307
179	Paramount Impact of the Indian Ocean Dipole on the East African Short Rains: A CGCM Study. *Journal of Climate*, **2005**, 18, 4514-4530	4.4	300
178	Influence of the state of the Indian Ocean Dipole on the following year's El Niño. *Nature Geoscience*, **2010**, 3, 168-172	18.3	276
177	Anomalous winter climate conditions in the Pacific rim during recent El Niño Modoki and El Niño events. *Climate Dynamics*, **2009**, 32, 663-674	4.2	272
176	Can Luzon Strait Transport Play a Role in Conveying the Impact of ENSO to the South China Sea?*. *Journal of Climate*, **2004**, 17, 3644-3657	4.4	271
175	Interannual subsurface variability in the tropical Indian Ocean with a special emphasis on the Indian Ocean Dipole. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2002**, 49, 1549-1572	2.3	257
174	Intrusion of the North Pacific waters into the South China Sea. *Journal of Geophysical Research*, **2000**, 105, 6415-6424		256
173	A CGCM Study on the Interaction between IOD and ENSO. *Journal of Climate*, **2006**, 19, 1688-1705	4.4	229
172	The unusual summer of 1994 in East Asia: IOD teleconnections. *Geophysical Research Letters*, **2003**, 30, n/a-n/a	4.9	220
171	Interaction between El Niño and Extreme Indian Ocean Dipole. *Journal of Climate*, **2010**, 23, 726-742	4.4	215
170	Increased frequency of extreme Indian Ocean Dipole events due to greenhouse warming. *Nature*, **2014**, 510, 254-8	50.4	213

169	Seasonal Climate Predictability in a Coupled OAGCM Using a Different Approach for Ensemble Forecasts. *Journal of Climate*, **2005**, 18, 4474-4497	4.4	211
168	The Kuroshio Onshore Intrusion along the Shelf Break of the East China Sea: The Origin of the Tsushima Warm Current. *Journal of Physical Oceanography*, **2006**, 36, 2205-2231	2.4	209
167	Extended ENSO Predictions Using a Fully Coupled Ocean–Atmosphere Model. *Journal of Climate*, **2008**, 21, 84-93	4.4	202
166	Impacts of El Niño Southern Oscillation on the global yields of major crops. *Nature Communications*, **2014**, 5, 3712	17.4	190
165	A Look at the Relationship between the ENSO and the Indian Ocean Dipole.. *Journal of the Meteorological Society of Japan*, **2003**, 81, 41-56	2.8	186
164	The Role of the Western Arabian Sea Upwelling in Indian Monsoon Rainfall Variability. *Journal of Climate*, **2008**, 21, 5603-5623	4.4	182
163	Coupled Ocean-Atmosphere Variability in the Tropical Indian Ocean. *Geophysical Monograph Series*, **2013**, 189-211	1.1	181
162	Reducing Climatology Bias in an Ocean–Atmosphere CGCM with Improved Coupling Physics. *Journal of Climate*, **2005**, 18, 2344-2360	4.4	174
161	Influence of the Indian Ocean Dipole on the Southern Oscillation.. *Journal of the Meteorological Society of Japan*, **2003**, 81, 169-177	2.8	165
160	Intensification of decadal and multi-decadal sea level variability in the western tropical Pacific during recent decades. *Climate Dynamics*, **2014**, 43, 1357-1379	4.2	147
159	Projected response of the Indian Ocean Dipole to greenhouse warming. *Nature Geoscience*, **2013**, 6, 999-1007	18.9	146
158	Response of the equatorial Indian Ocean to an unusual wind event during 1994. *Geophysical Research Letters*, **1999**, 26, 1613-1616	4.9	145
157	Experimental Forecasts of the Indian Ocean Dipole Using a Coupled OAGCM. *Journal of Climate*, **2007**, 20, 2178-2190	4.4	142
156	The Indian Ocean dipole – the unsung driver of climatic variability in East Africa. *African Journal of Ecology*, **2007**, 45, 4-16	0.8	139
155	An introduction to the South China Sea throughflow: Its dynamics, variability, and application for climate. *Dynamics of Atmospheres and Oceans*, **2009**, 47, 3-14	1.9	133
154	Intrusion of the Southwest Monsoon Current into the Bay of Bengal. *Journal of Geophysical Research*, **1999**, 104, 11077-11085		133
153	Monsoon Response of the Sea around Sri Lanka: Generation of Thermal Domesand Anticyclonic Vortices. *Journal of Physical Oceanography*, **1998**, 28, 1946-1960	2.4	127
152	On the western boundary currents in the Philippine Sea. *Journal of Geophysical Research*, **1998**, 103, 7537-7548		126

151	Pacific low-latitude western boundary currents and the Indonesian throughflow. *Journal of Geophysical Research*, **1996**, 101, 12209-12216		126
150	Indian Ocean dipole mode events in an ocean general circulation model. *Deep-Sea Research Part II: Topical Studies in Oceanography*, **2002**, 49, 1573-1596	2.3	116
149	Prediction of seasonal climate-induced variations in global food production. *Nature Climate Change*, **2013**, 3, 904-908	21.4	115
148	The Indian Ocean SST dipole simulated in a coupled general circulation model. *Geophysical Research Letters*, **2000**, 27, 3369-3372	4.9	114
147	South Pacific origin of the decadal ENSO-like variation as simulated by a coupled GCM. *Geophysical Research Letters*, **2003**, 30,	4.9	113
146	Successful prediction of the consecutive IOD in 2006 and 2007. *Geophysical Research Letters*, **2008**, 35,	4.9	112
145	A Climatology of the Circulation and Water Mass Distribution near the Philippine Coast*. *Journal of Physical Oceanography*, **1999**, 29, 1488-1505	2.4	112
144	A Triply Nested Ocean Model for Simulating the Kuroshio—Roles of Horizontal Resolution on JEBAR. *Journal of Physical Oceanography*, **2003**, 33, 146-169	2.4	110
143	Long-term El Niño-Southern Oscillation (ENSO)-like variation with special emphasis on the South Pacific. *Journal of Geophysical Research*, **2001**, 106, 22211-22227		110
142	Decadal variability of the Indian Ocean dipole. *Geophysical Research Letters*, **2004**, 31,	4.9	106
141	Role of the ENSO–Indian Ocean coupling on ENSO variability in a coupled GCM. *Geophysical Research Letters*, **2006**, 33,	4.9	99
140	Comments on "Dipoles, Temperature Gradients, and Tropical Climate Anomalies" *Bulletin of the American Meteorological Society*, **2003**, 84, 1418-1422	6.1	96
139	On the Ningaloo Niño/Niña. *Climate Dynamics*, **2014**, 43, 1463-1482	4.2	91
138	Predictability of Northwest Pacific climate during summer and the role of the tropical Indian Ocean. *Climate Dynamics*, **2011**, 36, 607-621	4.2	90
137	Indian Ocean Dipole influence on South American rainfall. *Geophysical Research Letters*, **2008**, 35,	4.9	89
136	Impact of intra-daily SST variability on ENSO characteristics in a coupled model. *Climate Dynamics*, **2012**, 39, 681-707	4.2	88
135	Decadal Modulations of the Indian Ocean Dipole in the SINTEX-F1 Coupled GCM. *Journal of Climate*, **2007**, 20, 2881-2894	4.4	86
134	Seasonal Variation of the Seychelles Dome. *Journal of Climate*, **2008**, 21, 3740-3754	4.4	85

133	Roles of Mesoscale Eddies in the Kuroshio Paths. *Journal of Physical Oceanography*, **2004**, 34, 2203-2222	2.4	81
132	Influence of Indian Ocean Dipole and Pacific recharge on following years El Nio: interdecadal robustness. *Climate Dynamics*, **2014**, 42, 291-310	4.2	79
131	Simulated Multiscale Variations in the Western Tropical Pacific: The Mindanao Dome Revisited. *Journal of Physical Oceanography*, **2002**, 32, 1338-1359	2.4	79
130	Modulation of Sri Lankan Maha rainfall by the Indian Ocean Dipole. *Geophysical Research Letters*, **2003**, 30,	4.9	78
129	Seasonal Transport Variations of the Kuroshio: An OGCM Simulation. *Journal of Physical Oceanography*, **1997**, 27, 403-418	2.4	77
128	Dramatic impact of the South China Sea on the Indonesian Throughflow. *Geophysical Research Letters*, **2007**, 34,	4.9	77
127	Summertime Response of the Tropical Atmosphere to the Indian Ocean Dipole Sea Surface Temperature Anomalies. *Journal of the Meteorological Society of Japan*, **2003**, 81, 533-561	2.8	76
126	Anatomy of Indian heatwaves. *Scientific Reports*, **2016**, 6, 24395	4.9	76
125	On the triggering of Benguela Nis: Remote equatorial versus local influences. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	75
124	Impacts of ENSO and Indian Ocean Dipole Events on the Southern Hemisphere Storm-Track Activity during Austral Winter. *Journal of Climate*, **2007**, 20, 3147-3163	4.4	75
123	Diagnosis of Tropospheric Moisture over Saudi Arabia and Influences of IOD and ENSO. *Monthly Weather Review*, **2006**, 134, 598-617	2.4	73
122	Anomalous summer climate in China influenced by the tropical Indo-Pacific Oceans. *Climate Dynamics*, **2011**, 36, 769-782	4.2	70
121	Impacts of the South China Sea Throughflow on seasonal and interannual variations of the Indonesian Throughflow. *Dynamics of Atmospheres and Oceans*, **2009**, 47, 73-85	1.9	68
120	Climate variability in the southern Indian Ocean as revealed by self-organizing maps. *Climate Dynamics*, **2010**, 35, 1059-1072	4.2	68
119	Comments on A Cautionary Note on the Interpretation of EOFs *Journal of Climate*, **2003**, 16, 1087-1093	4.4	67
118	Indian Ocean subtropical dipole simulated using a coupled general circulation model. *Journal of Geophysical Research*, **2004**, 109,		67
117	Seasonal variations of the Indonesian throughflow in a general ocean circulation model. *Journal of Geophysical Research*, **1996**, 101, 12287-12293		66
116	The Atlantic Meridional Mode and Its Coupled Variability with the Guinea Dome. *Journal of Climate*, **2010**, 23, 455-475	4.4	60

115	On the Growth and Decay of the Subtropical Dipole Mode in the South Atlantic. *Journal of Climate*, **2011**, 24, 5538-5554	4.4	60
114	Unusual IOD event of 2007. *Geophysical Research Letters*, **2008**, 35,	4.9	60
113	Intraseasonal Kelvin waves along the southern coast of Sumatra and Java. *Journal of Geophysical Research*, **2005**, 110,		60
112	Generation and termination of Indian Ocean dipole events in 2003, 2006 and 2007. *Climate Dynamics*, **2009**, 33, 751-767	4.2	56
111	The Influence of Tropical Indian Ocean SST on the Indian Summer Monsoon. *Journal of Climate*, **2007**, 20, 3083-3105	4.4	56
110	On the Evolution of Nonlinear Planetary Eddies Larger than the Radius of Deformation. *Journal of Physical Oceanography*, **1982**, 12, 440-456	2.4	55
109	Impacts of IOD, ENSO and ENSO Modoki on the Australian Winter Wheat Yields in Recent Decades. *Scientific Reports*, **2015**, 5, 17252	4.9	54
108	Seasonal variations in the equatorial Indian Ocean and their impact on the Lombok throughflow. *Journal of Geophysical Research*, **1996**, 101, 12465-12473		53
107	Improved Prediction of the Indian Ocean Dipole Mode by Use of Subsurface Ocean Observations. *Journal of Climate*, **2017**, 30, 7953-7970	4.4	51
106	Locally and remotely forced atmospheric circulation anomalies of Ningaloo Niño/Niña. *Climate Dynamics*, **2014**, 43, 2197-2205	4.2	51
105	Predictability of the Super IOD Event in 2019 and Its Link With El Niño Modoki. *Geophysical Research Letters*, **2020**, 47, e2019GL086713	4.9	49
104	Inter-basin sources for two-year predictability of the multi-year La Niña event in 2010-2012. *Scientific Reports*, **2017**, 7, 2276	4.9	49
103	Influence of Indian Ocean Dipole on Poleward Propagation of Boreal Summer Intraseasonal Oscillations. *Journal of Climate*, **2008**, 21, 5437-5454	4.4	49
102	Why were cool SST anomalies absent in the Bay of Bengal during the 1997 Indian Ocean Dipole Event?. *Geophysical Research Letters*, **2002**, 29, 50-1	4.9	48
101	Improved seasonal prediction using the SINTEX-F2 coupled model. *Journal of Advances in Modeling Earth Systems*, **2016**, 8, 1847-1867	7.1	44
100	Impact of salinity on the 1997 Indian Ocean dipole event in a numerical experiment. *Journal of Geophysical Research*, **2004**, 109,		44
99	Subtropical Dipole Modes Simulated in a Coupled General Circulation Model. *Journal of Climate*, **2012**, 25, 4029-4047	4.4	43
98	Impact of Mascarene High variability on the East African "short rains". *Climate Dynamics*, **2014**, 42, 1259-1274	4.4	42

97	Respective influences of IOD and ENSO on the Tibetan snow cover in early winter. *Climate Dynamics*, **2009**, 33, 509-520	4.2	42
96	Mode shift in the Indian Ocean climate under global warming stress. *Geophysical Research Letters*, **2009**, 36,	4.9	42
95	IOD and ENSO impacts on the extreme stream-flows of Citarum river in Indonesia. *Climate Dynamics*, **2012**, 39, 1673-1680	4.2	41
94	Predictability of the Ningaloo Niño/Niña. *Scientific Reports*, **2013**, 3, 2892	4.9	41
93	A subsurface countercurrent along the east coast of Luzon. *Deep-Sea Research Part I: Oceanographic Research Papers*, **1997**, 44, 413-423	2.5	41
92	Interannual variability of the Kuroshio Extension and its relation to the Southern Oscillation/El Niño. *Journal of the Oceanographical Society of Japan*, **1985**, 41, 274-281		41
91	The role of the intra-daily SST variability in the Indian monsoon variability and monsoon-ENSO–IOD relationships in a global coupled model. *Climate Dynamics*, **2012**, 39, 729-754	4.2	39
90	A Simple Diagnostic Model for the 30-50 Day Oscillation in the Tropics. *Journal of the Meteorological Society of Japan*, **1984**, 62, 709-717	2.8	39
89	Climate Based Predictability of Oil Palm Tree Yield in Malaysia. *Scientific Reports*, **2018**, 8, 2271	4.9	38
88	Ensemble forecast of the Kuroshio meandering. *Journal of Geophysical Research*, **2005**, 110,		37
87	Simulated seasonal circulation in the Indonesian Seas. *Journal of Geophysical Research*, **1993**, 98, 12501		35
86	An index for tropical temperate troughs over southern Africa. *Climate Dynamics*, **2013**, 41, 421-441	4.2	34
85	A modeling study of interannual variations of the Seychelles Dome. *Journal of Geophysical Research* , **2010**, 115,		34
84	Intraseasonal variations of surface and subsurface currents off Java as simulated in a high-resolution ocean general circulation model. *Journal of Geophysical Research*, **2006**, 111,		34
83	Impacts of Indian Ocean SST biases on the Indian Monsoon: as simulated in a global coupled model. *Climate Dynamics*, **2014**, 42, 271-290	4.2	33
82	Low and high frequency Madden–Julian oscillations in austral summer: interannual variations. *Climate Dynamics*, **2010**, 35, 669-683	4.2	33
81	Tropical Indian Ocean variability revealed by self-organizing maps. *Climate Dynamics*, **2008**, 31, 333-343	4.2	33
80	Annual ENSO. *Journal of Physical Oceanography*, **2003**, 33, 1564-1578	2.4	33

79	An interdecadal regime shift in rainfall predictability related to the Ningaloo Niño in the late 1990s. *Journal of Geophysical Research: Oceans*, **2015**, 120, 1388-1396	3.3	31
78	Stabilised frequency of extreme positive Indian Ocean Dipole under 1.5 °C warming. *Nature Communications*, **2018**, 9, 1419	17.4	30
77	CURRENT STATUS OF INTRASEASONAL□EASONAL-TO-INTERANNUAL PREDICTION OF THE INDO-PACIFIC CLIMATE. *World Scientific Series on Asia-Pacific Weather and Climate*, **2016**, 63-107		30
76	Generation and Decay Mechanisms of Ningaloo Niño/Niña. *Journal of Geophysical Research: Oceans*, **2017**, 122, 8913-8932	3.3	29
75	Imprint of the El Niño Modoki on decadal sea level changes. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	29
74	Seasonal and Interannual Variations of the SST above the Seychelles Dome. *Journal of Climate*, **2012**, 25, 800-814	4.4	29
73	Seasonal and Interannual Variations of Oceanic Conditions in the Angola Dome. *Journal of Physical Oceanography*, **2007**, 37, 2698-2713	2.4	29
72	On nonlinear planetary waves: A class of solutions missed by the traditional quasi-geostrophic approximation. *Journal of the Oceanographical Society of Japan*, **1982**, 38, 236-244		28
71	A Regional Climate Mode Discovered in the North Atlantic: Dakar Niño/Niña. *Scientific Reports*, **2016**, 6, 18782	4.9	28
70	Key factors in simulating the equatorial Atlantic zonal sea surface temperature gradient in a coupled general circulation model. *Journal of Geophysical Research*, **2011**, 116,		27
69	Interannual variability of the Guinea Dome and its possible link with the Atlantic Meridional Mode. *Climate Dynamics*, **2009**, 33, 985-998	4.2	27
68	Impact of Global Ocean Surface Warming on Seasonal-to-Interannual Climate Prediction. *Journal of Climate*, **2011**, 24, 1626-1646	4.4	27
67	Termination of Indian Ocean Dipole Events in a Coupled General Circulation Model. *Journal of Climate*, **2007**, 20, 3018-3035	4.4	27
66	Opposite response of strong and moderate positive Indian Ocean Dipole to global warming. *Nature Climate Change*, **2021**, 11, 27-32	21.4	27
65	Indian Ocean Dipole index recorded in Kenyan coral annual density bands. *Geophysical Research Letters*, **2006**, 33,	4.9	26
64	The interannual precipitation variability in the southern part of Iran as linked to large-scale climate modes. *Climate Dynamics*, **2012**, 39, 2329-2341	4.2	25
63	Poleward propagation of boreal summer intraseasonal oscillations in a coupled model: role of internal processes. *Climate Dynamics*, **2011**, 37, 851-867	4.2	25
62	How is the Indian Ocean Subtropical Dipole excited?. *Climate Dynamics*, **2013**, 41, 1955-1968	4.2	24

61	California Niño/Niña. *Scientific Reports*, **2014**, 4, 4801	4.9	24
60	A Numerical Simulation Study of the Indian Summer Monsoon of 1994 using NCAR MM5. *Journal of the Meteorological Society of Japan*, **2004**, 82, 1755-1775	2.8	24
59	Predictability of the subtropical dipole modes in a coupled ocean–atmosphere model. *Climate Dynamics*, **2014**, 42, 1291-1308	4.2	23
58	A Simple Moist Model Relevant to the Origin of Intraseasonal Disturbances in the Tropics. *Journal of the Meteorological Society of Japan*, **1987**, 65, 153-165	2.8	23
57	The Stability, Modulation and Long Wave Resonance of a Planetary Wave in a Rotating, Two-Layer Fluid on a Channel Beta-Planet. *Journal of the Meteorological Society of Japan*, **1980**, 58, 160-171	2.8	23
56	IOD influence on the early winter tibetan plateau snow cover: diagnostic analyses and an AGCM simulation. *Climate Dynamics*, **2012**, 39, 1643-1660	4.2	22
55	Can Ningaloo Niño/Niña Develop Without El Niño–Southern Oscillation?. *Geophysical Research Letters*, **2018**, 45, 7040-7048	4.9	21
54	Probabilistic prediction of Indian summer monsoon rainfall using global climate models. *Theoretical and Applied Climatology*, **2012**, 107, 441-450	3	21
53	Assessment of the long-lead probabilistic prediction for the Asian summer monsoon precipitation (1983–2011) based on the APCC multimodel system and a statistical model. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		21
52	Relative importance of the processes contributing to the development of SST anomalies in the eastern pole of the Indian Ocean Dipole and its implication for predictability. *Climate Dynamics*, **2017**, 49, 1289-1304	4.2	20
51	Interhemispheric oscillations in the surface air pressure field. *Geophysical Research Letters*, **2001**, 28, 263-266	4.9	20
50	Seasonal transport variations of the wind-driven ocean circulation in a two-layer planetary geostrophic model with a continental slope. *Journal of Marine Research*, **1996**, 54, 261-284	1.5	20
49	A Unique Feature of the 2019 Extreme Positive Indian Ocean Dipole Event. *Geophysical Research Letters*, **2020**, 47, e2020GL088615	4.9	20
48	Merits of a 108-Member Ensemble System in ENSO and IOD Predictions. *Journal of Climate*, **2019**, 32, 957-972	4.4	20
47	Dynamical seasonal prediction of Southern African summer precipitation. *Climate Dynamics*, **2014**, 42, 3357-3374	4.2	19
46	Interdecadal Natural Climate Variability in the Western Pacific and its Implication in Global Warming. *Journal of the Meteorological Society of Japan*, **1992**, 70, 167-175	2.8	19
45	El Niño Modoki connection to extremely-low streamflow of the Paranaíba River in Brazil. *Climate Dynamics*, **2014**, 42, 1509-1516	4.2	17
44	Longitudinal biases in the Seychelles Dome simulated by 35 ocean-atmosphere coupled general circulation models. *Journal of Geophysical Research: Oceans*, **2013**, 118, 831-846	3.3	17

43	Annual ENSO simulated in a coupled ocean□tmosphere model. *Dynamics of Atmospheres and Oceans*, **2005**, 39, 41-60	1.9	17
42	On the Origin of a Model ENSO in the Western Pacific. *Journal of the Meteorological Society of Japan*, **1991**, 69, 197-207	2.8	17
41	Influence of the Reflected Rossby Waves on the Western Arabian Sea Upwelling Region. *Journal of Physical Oceanography*, **2014**, 44, 1424-1438	2.4	16
40	Influence of Indian Ocean Dipole on boreal summer intraseasonal oscillations in a coupled general circulation model. *Journal of Geophysical Research*, **2009**, 114,		16
39	Impact of Indian Ocean Dipole on intraseasonal zonal currents at 90°E on the equator as revealed by self-organizing map. *Geophysical Research Letters*, **2008**, 35,	4.9	16
38	Influences of the MJO on intraseasonal rainfall variability over southern Iran. *Atmospheric Science Letters*, **2015**, 16, 110-118	2.4	15
37	Footprints of IOD and ENSO in the Kenyan coral record. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	14
36	Seasonal Variations of the Seychelles Dome Simulated in the CMIP3 Models. *Journal of Physical Oceanography*, **2009**, 39, 449-457	2.4	14
35	The role of damped equatorial waves in the oceanic response to winds. *Journal of the Oceanographical Society of Japan*, **1985**, 41, 345-357		14
34	Anomalous Walker circulations associated with two flavors of the Indian Ocean Dipole. *Geophysical Research Letters*, **2016**, 43, 5378-5384	4.9	14
33	More-frequent extreme northward shifts of eastern Indian Ocean tropical convergence under greenhouse warming. *Scientific Reports*, **2014**, 4, 6087	4.9	13
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31	Parameterizing ocean eddy transports from surface to bottom. *Geophysical Research Letters*, **2004**, 31,	4.9	13
30	Characteristics of coastal trapped waves along the southern and eastern coasts of Australia. *Journal of Oceanography*, **2010**, 66, 243-258	1.9	12
29	. *Tellus, Series A: Dynamic Meteorology and Oceanography*, **1987**, 39A, 161-169	2	12
28	A Numerical Study of a Viscous flow Past a Circular Cylinder on an ƒ-plane. *Journal of the Meteorological Society of Japan*, **1985**, 63, 151-167	2.8	12
27	A model study of regional air-sea interaction in the austral summer precipitation over southern Africa. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 2342-2357	4.4	11
26	Evolution of baroclinic planetary eddies over localized bottom topography in terms of JEBAR. *Geophysical and Astrophysical Fluid Dynamics*, **1997**, 84, 1-27	1.4	11

25	Buffering Effect and Its Related Ocean Dynamics in the Indonesian Throughflow Region*. *Journal of Physical Oceanography*, **2008**, 38, 503-516	2.4	11
24	Predictability of the California Niø/Niø*. *Journal of Climate*, **2015**, 28, 7237-7249	4.4	10
23	ENSO's far reaching connection to Indian cold waves. *Scientific Reports*, **2016**, 6, 37657	4.9	10
22	Successive formation of planetary lenses in an intermediate layer. *Geophysical and Astrophysical Fluid Dynamics*, **2000**, 92, 1-29	1.4	10
21	Wintertime Impacts of the 2019 Super IOD on East Asia. *Geophysical Research Letters*, **2020**, 47, e2020GL089456	4.9	10
20	A Generalization of Prandtl-Batchelor Theorem for Planetary Fluid Flows in a Closed Geostrophic Contour. *Journal of the Meteorological Society of Japan*, **1981**, 59, 615-619	2.8	9
19	On the Propagation of Rossby Waves in a Weak Shear Flow. *Journal of the Meteorological Society of Japan*, **1976**, 54, 126-128	2.8	9
18	Impacts of South China Sea throughflow on the mean state and El Niø/Southern Oscillation as revealed by a coupled GCM. *Journal of Oceanography*, **2015**, 71, 105-114	1.9	8
17	Discovery of Chile Niø/Niø. *Geophysical Research Letters*, **2020**, 47, no	4.9	8
16	A numerical study of a viscous flow past a right circular cylinder on a ø-plane. *Geophysical and Astrophysical Fluid Dynamics*, **1986**, 37, 129-164	1.4	8
15	A theory for propagation of an oceanic warm front with application to Sagami Bay. *Tellus*, **1980**, 32, 73-76		8
14	An analytical study of hindcasts from general circulation models for Indian summer monsoon rainfall. *Meteorological Applications*, **2014**, 21, 695-707	2.1	7
13	On the recent development of simple, coupled ocean-atmosphere models of ENSO. *Journal of Oceanography*, **1986**, 42, 299-307	1.9	7
12	Impacts of April snow cover extent over Tibetan Plateau and the central Eurasia on Indian Ocean Dipole. *International Journal of Climatology*, **2019**, 39, 1756-1767	3.5	5
11	Wave-induced boundary layers in a rotating homogeneous fluid. *Journal of Oceanography*, **1978**, 34, 97-104	1.9	4
10	On Energy and Enstrophy Transfer in Two-Dimensional Non-Divergent Waves on a Beta-Plane. *Journal of the Meteorological Society of Japan*, **1976**, 54, 454-456	2.8	3
9	Long nonlinear topographic planetary waves in a rotating stratified ocean. *Journal of the Oceanographical Society of Japan*, **1983**, 38, 339-345		2
8	Downscaled prediction of extreme seasonal climate over Southeast Asia using a regional climate model **2016**,		2

7	Seasonally Stratified Analysis of Simulated ENSO Thermodynamics. *Journal of Climate*, **2007**, 20, 4615-4627	4.4	2
6	The capture of current meander by coastal geometry with possible application to the Kuroshio Current. *Tellus, Series A: Dynamic Meteorology and Oceanography*, **1987**, 39, 161-169	2	2
5	Time Evolution of a Localized Sea Surface Temperature Anomaly in Coupled Air-sea Models. *Journal of the Meteorological Society of Japan*, **1989**, 67, 1071-1079	2.8	1
4	Oceans and Climate Shifts **1998**, 281, 1143e-1143		1
3	Predictability of the Chile Niño/Niña. *Geophysical Research Letters*, **2021**, 48, e2021GL095309	4.9	1
2	Discovery and Prediction of Climate Variability Modes Giving Birth to Abnormal Weather Events. *Trends in the Sciences*, **2015**, 20, 2_98-2_101	0	
1	Reducing model biases is essential to projecting future climate variability. *National Science Review*, **2021**, 8, nwab080	10.8	