

# Niklas Schneider

## List of Publications by Year in descending order

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68  
papers

6,121  
citations

81900

39  
h-index

98798

67  
g-index

69  
all docs

69  
docs citations

69  
times ranked

5050  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface wind responses to mesoscale sea surface temperature over western boundary current regions assessed by spectral transfer functions. <i>Journals of the Atmospheric Sciences</i> , 2022, , .	1.7	0
2	Local Atmospheric Response to the Kuroshio Large Meander Path in Summer and Its Remote Influence on the Climate of Japan. <i>Journal of Climate</i> , 2021, 34, 3571-3589.	3.2	20
3	Subtropical Mode Water in a recent persisting Kuroshio large-meander period: part Iâ€™formation and advection over the entire distribution region. <i>Journal of Oceanography</i> , 2021, 77, 781-795.	1.7	7
4	Formation Mechanism of Warm SST Anomalies in 2010s Around Hawaii. <i>Journal of Geophysical Research: Oceans</i> , 2021, 126, e2021JC017763.	2.6	6
5	Impact of the Oyashio Extension SST Front on Synoptic Variability of Oceanic Lowâ€™Level Cloud in Summertime Based on WRF Numerical Simulation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032518.	3.3	2
6	Scale and Rossby Number Dependence of Observed Wind Responses to Ocean-Mesoscale Sea Surface Temperatures. <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 3171-3192.	1.7	7
7	On the Reset of the Wind-Forced Decadal Kuroshio Extension Variability in Late 2017. <i>Journal of Climate</i> , 2020, 33, 10813-10828.	3.2	32
8	Climate-driven oscillation of phosphorus and iron limitation in the North Pacific Subtropical Gyre. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12720-12728.	7.1	44
9	Impacts of sea-surface salinity in an eddy-resolving semi-global OGCM. <i>Ocean Modelling</i> , 2018, 122, 36-56.	2.4	11
10	Satellite Observations of Enhanced Chlorophyll Variability in the Southern California Bight. <i>Journal of Geophysical Research: Oceans</i> , 2018, 123, 7550-7563.	2.6	11
11	The Role of Back Pressure in the Atmospheric Response to Surface Stress Induced by the Kuroshio. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 597-615.	1.7	13
12	Western Boundary Sea Level: A Theory, Rule of Thumb, and Application to Climate Models. <i>Journal of Physical Oceanography</i> , 2017, 47, 957-977.	1.7	31
13	Decadal Variability of Upper-Ocean Heat Content Associated with Meridional Shifts of Western Boundary Current Extensions in the North Pacific. <i>Journal of Climate</i> , 2017, 30, 6247-6264.	3.2	12
14	Dynamical Links between the Decadal Variability of the Oyashio and Kuroshio Extensions. <i>Journal of Climate</i> , 2017, 30, 9591-9605.	3.2	54
15	Coupled Oceanâ€™Atmosphere Offshore Decay Scale of Cold SST Signals along Upwelling Eastern Boundaries. <i>Journal of Climate</i> , 2016, 29, 8317-8331.	3.2	7
16	North Atlantic Subtropical Underwater and Its Year-to-Year Variability in Annual Subduction Rate during the Argo Period. <i>Journal of Physical Oceanography</i> , 2016, 46, 1901-1916.	1.7	21
17	Atmospheric Response to a Midlatitude SST Front: Alongfront Winds. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 3489-3509.	1.7	29
18	The Pacific Decadal Oscillation, Revisited. <i>Journal of Climate</i> , 2016, 29, 4399-4427.	3.2	877

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19	Understanding ENSO Diversity. Bulletin of the American Meteorological Society, 2015, 96, 921-938.	3.3	745
20	Impacts of regional mixing on the temperature structure of the equatorial Pacific Ocean. Part 1: Vertically uniform vertical diffusion. Ocean Modelling, 2015, 91, 91-111.	2.4	27
21	The Atmospheric Response to Weak Sea Surface Temperature Fronts*. Journals of the Atmospheric Sciences, 2015, 72, 3356-3377.	1.7	50
22	Boundary Layer Convergence Induced by Strong Winds across a Midlatitude SST Front*. Journal of Climate, 2014, 27, 1698-1718.	3.2	48
23	ENSO Seasonal Synchronization Theory. Journal of Climate, 2014, 27, 5285-5310.	3.2	85
24	Origin of Decadal-Scale, Eastward-Propagating Heat Content Anomalies in the North Pacific*. Journal of Climate, 2014, 27, 7568-7586.	3.2	26
25	A Coupled Decadal Prediction of the Dynamic State of the Kuroshio Extension System. Journal of Climate, 2014, 27, 1751-1764.	3.2	173
26	Quantitative assessment of the climate components driving the pacific decadal oscillation in climate models. Theoretical and Applied Climatology, 2013, 112, 431-445.	2.8	17
27	Formation and Subduction of North Pacific Tropical Water and Their Interannual Variability. Journal of Physical Oceanography, 2013, 43, 2400-2415.	1.7	70
28	Linear Wind-Forced Beta Plumes with Application to the Hawaiian Lee Countercurrent*. Journal of Physical Oceanography, 2013, 43, 2071-2094.	1.7	14
29	Changes in South Pacific rainfall bands in a warming climate. Nature Climate Change, 2013, 3, 417-423.	18.8	71
30	Pacific Decadal Variability: Paced by Rossby Basin Modes?. Journal of Climate, 2013, 26, 1445-1456.	3.2	5
31	Decadal Response of the Kuroshio Extension Jet to Rossby Waves: Observation and Thin-Jet Theory*. Journal of Physical Oceanography, 2013, 43, 442-456.	1.7	70
32	The Effect of the South Pacific Convergence Zone on the Termination of El Niño Events and the Meridional Asymmetry of ENSO*. Journal of Climate, 2012, 25, 5566-5586.	3.2	117
33	East Pacific ocean eddies and their relationship to subseasonal variability in Central American wind jets. Journal of Geophysical Research, 2012, 117, .	3.3	16
34	Linkages between the North Pacific Oscillation and central tropical Pacific SSTs at low frequencies. Climate Dynamics, 2012, 39, 2833-2846.	3.8	91
35	North Pacific Decadal Variability and Climate Change in the IPCC AR4 Models. Journal of Climate, 2011, 24, 3049-3067.	3.2	87
36	Interannual to decadal Gulf Stream variability in an eddy-resolving ocean model. Ocean Modelling, 2011, 39, 209-219.	2.4	23

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37	Phase Synchronization of the El Niño-Southern Oscillation with the Annual Cycle. <i>Physical Review Letters</i> , 2011, 107, 128501.	7.8	55
38	Decadal Shifts of the Kuroshio Extension Jet: Application of Thin-Jet Theory. <i>Journal of Physical Oceanography</i> , 2011, 41, 979-993.	1.7	46
39	Generation of Low-Frequency Spiciness Variability in the Thermocline*. <i>Journal of Physical Oceanography</i> , 2011, 41, 365-377.	1.7	30
40	Quasi-stationary striations in basin-scale oceanic circulation: vorticity balance from observations and eddy-resolving model. <i>Ocean Dynamics</i> , 2010, 60, 653-666.	2.2	27
41	Seasonal Synchronization of ENSO Events in a Linear Stochastic Model*. <i>Journal of Climate</i> , 2010, 23, 5629-5643.	3.2	61
42	Observational evidence for propagation of decadal spiciness anomalies in the North Pacific. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	66
43	North Pacific Gyre Oscillation Synchronizes Climate Fluctuations in the Eastern and Western Boundary Systems*. <i>Journal of Climate</i> , 2009, 22, 5163-5174.	3.2	139
44	Forcing of Low-Frequency Ocean Variability in the Northeast Pacific*. <i>Journal of Climate</i> , 2009, 22, 1255-1276.	3.2	124
45	Decadal Sea Level Variability in the South Pacific in a Global Eddy-Resolving Ocean Model Hindcast. <i>Journal of Physical Oceanography</i> , 2008, 38, 1731-1747.	1.7	55
46	Coupled Decadal Variability in the North Pacific: An Observationally Constrained Idealized Model*. <i>Journal of Climate</i> , 2007, 20, 3602-3620.	3.2	112
47	Influence of Low-Frequency Indonesian Throughflow Transport on Temperatures in the Indian Ocean in a Coupled Model*. <i>Journal of Climate</i> , 2007, 20, 1339-1352.	3.2	16
48	Decadal Variability of the Kuroshio Extension: Observations and an Eddy-Resolving Model Hindcast*. <i>Journal of Climate</i> , 2007, 20, 2357-2377.	3.2	243
49	Salinity Variations in the Southern California Current*. <i>Journal of Physical Oceanography</i> , 2005, 35, 1421-1436.	1.7	31
50	Oceanic Response to Idealized Net Atmospheric Freshwater in the Pacific at the Decadal Time Scale*. <i>Journal of Physical Oceanography</i> , 2005, 35, 2467-2486.	1.7	23
51	The Warming of the California Current System: Dynamics and Ecosystem Implications. <i>Journal of Physical Oceanography</i> , 2005, 35, 336-362.	1.7	163
52	The Forcing of the Pacific Decadal Oscillation*. <i>Journal of Climate</i> , 2005, 18, 4355-4373.	3.2	414
53	The Response of Tropical Climate to the Equatorial Emergence of Spiciness Anomalies*. <i>Journal of Climate</i> , 2004, 17, 1083-1095.	3.2	43
54	Potential Feedbacks Between Pacific Ocean Ecosystems and Interdecadal Climate Variations. <i>Bulletin of the American Meteorological Society</i> , 2003, 84, 617-634.	3.3	55

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55	Anatomy of North Pacific Decadal Variability. <i>Journal of Climate</i> , 2002, 15, 586-605.	3.2	203
56	Low-Frequency Modulation of the ENSO–Indian Monsoon Rainfall Relationship: Signal or Noise?. <i>Journal of Climate</i> , 2001, 14, 2486-2492.	3.2	219
57	Predicting Western North Pacific Ocean Climate. <i>Journal of Climate</i> , 2001, 14, 3997-4002.	3.2	121
58	Modeling of North Pacific Climate Variability Forced by Oceanic Heat Flux Anomalies. <i>Journal of Climate</i> , 2001, 14, 4027-4046.	3.2	43
59	Interdecadal climate regime dynamics in the North Pacific Ocean: theories, observations and ecosystem impacts. <i>Progress in Oceanography</i> , 2000, 47, 355-379.	3.2	213
60	A decadal spiciness mode in the tropics. <i>Geophysical Research Letters</i> , 2000, 27, 257-260.	4.0	85
61	Subduction of Decadal North Pacific Temperature Anomalies: Observations and Dynamics. <i>Journal of Physical Oceanography</i> , 1999, 29, 1056-1070.	1.7	216
62	Pacific thermocline bridge revisited. <i>Geophysical Research Letters</i> , 1999, 26, 1329-1332.	4.0	74
63	Origins of the midlatitude Pacific decadal variability. <i>Geophysical Research Letters</i> , 1999, 26, 1453-1456.	4.0	77
64	The Indonesian Throughflow and the Global Climate System. <i>Journal of Climate</i> , 1998, 11, 676-689.	3.2	140
65	Warm Pool Physics in a Coupled GCM. <i>Journal of Climate</i> , 1996, 9, 219-239.	3.2	40
66	The Competition of Freshwater and Radiation in Forcing the Ocean during El Niño. <i>Journal of Climate</i> , 1995, 8, 980-992.	3.2	12
67	Sensitivity of the Surface Equatorial Ocean to the Parameterization of Vertical Mixing. <i>Journal of Physical Oceanography</i> , 1994, 24, 1623-1640.	1.7	14
68	The Meridional and Seasonal Structures of the Mixed-Layer Depth and its Diurnal Amplitude Observed during the Hawaii-to-Tahiti Shuttle Experiment. <i>Journal of Physical Oceanography</i> , 1990, 20, 1395-1404.	1.7	42