Siegfried D Schubert

List of Publications by Year
in descending order

114 papers	17,296 citations	53660 45 h-index	22102 113 g-index
115 all docs	115 docs citations	115 times ranked	15961 citing authors

#	Article	IF	Citations
1	Seasonal Variability in the Mechanisms behind the 2020 Siberian Heatwaves. Journal of Climate, 2022, 35, 3075-3090.	1.2	6
2	Continental Patterns of Bird Migration Linked to Climate Variability. Bulletin of the American Meteorological Society, 2022, 103, E536-E547.	1.7	1
3	Representation of Tropical Cyclones by the Modern-Era Retrospective Analysis for Research and Applications Version 2. Asia-Pacific Journal of Atmospheric Sciences, 2021, 57, 35-49.	1.3	4
4	On the Development and Demise of the Fall 2019 Southeast U.S. Flash Drought: Links to an Extreme Positive IOD. Journal of Climate, 2021, 34, 1701-1723.	1.2	16
5	Asymmetry in Subseasonal Surface Air Temperature Forecast Error with Respect to Soil Moisture Initialization. Journal of Hydrometeorology, 2021, 22, 2505-2519.	0.7	2
6	Prediction Skill of the 2012 U.S. Great Plains Flash Drought in Subseasonal Experiment (SubX) Models. Journal of Climate, 2020, 33, 6229-6253.	1.2	23
7	GEOSâ€S2S Version 2: The GMAO Highâ€Resolution Coupled Model and Assimilation System for Seasonal Prediction. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031767.	1.2	52
8	Windows of Opportunity for Skillful Forecasts Subseasonal to Seasonal and Beyond. Bulletin of the American Meteorological Society, 2020, 101, E608-E625.	1.7	124
9	Investigation of the 2016 Eurasia heat wave as an event of the recent warming. Environmental Research Letters, 2020, 15, 114018.	2.2	16
10	Using a Simple Water Balance Framework to Quantify the Impact of Soil Moisture Initialization on Subseasonal Evapotranspiration and Air Temperature Forecasts. Journal of Hydrometeorology, 2020, 21, 1705-1722.	0.7	9
11	Forecasts of Opportunity: Opening Windows of Skill, Subseasonal and Beyond. Bulletin of the American Meteorological Society, 2020, 101, 597-601.	1.7	2
12	The Boreal Winter El NiÃ±o Precipitation Response over North America: Insights into Why January Is More Difficult to Predict Than February. Journal of Climate, 2020, 33, 8651-8670.	1.2	1
13	Impact of soil moisture initialization on boreal summer subseasonal forecasts: mid-latitude surface air temperature and heat wave events. Climate Dynamics, 2019, 52, 1695-1709.	1.7	47
14	Length Scales of Hydrological Variability as Inferred from SMAP Soil Moisture Retrievals. Journal of Hydrometeorology, 2019, 20, 2129-2146.	0.7	6
15	Interâ€annual variation of tropical cyclones simulated by GEOSâ€5 AGCM with modified convection scheme. International Journal of Climatology, 2019, 39, 4041-4057.	1.5	5
16	Phase Locking of the Boreal Summer Atmospheric Response to Dry Land Surface Anomalies in the Northern Hemisphere. Journal of Climate, 2019, 32, 1081-1099.	1.2	15
17	The Impact of SST-Forced and Unforced Teleconnections on 2015/16 El NiÃ±o Winter Precipitation over the Western United States. Journal of Climate, 2018, 31, 5825-5844.	1.2	9
18	The Modern-Era Retrospective Analysis for Research and Applications, Version 2 (MERRA-2). Journal of Climate, 2017, 30, 5419-5454.	1.2	4,520

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19	The role of DYNAMO in situ observations in improving NASA CERESâ€like daily surface and atmospheric radiative flux estimates. Earth and Space Science, 2017, 4, 164-183.	1.1	1
20	North Pacific decadal variability: insights from a biennial ENSO environment. Climate Dynamics, 2017, 49, 1379-1397.	1.7	6
21	Atmospheric summer teleconnections and Greenland Ice Sheet surface mass variations: insights from MERRA-2. Environmental Research Letters, 2016, 11, 024002.	2.2	26
22	Global Meteorological Drought: A Synthesis of Current Understanding with a Focus on SST Drivers of Precipitation Deficits. Journal of Climate, 2016, 29, 3989-4019.	1.2	161
23	A Modeling Study of the Causes and Predictability of the Spring 2011 Extreme U.S. Weather Activity. Journal of Climate, 2016, 29, 7869-7887.	1.2	5
24	An Assessment of Multimodel Simulations for the Variability of Western North Pacific Tropical Cyclones and Its Association with ENSO. Journal of Climate, 2016, 29, 6401-6423.	1.2	31
25	Impacts of Local Soil Moisture Anomalies on the Atmospheric Circulation and on Remote Surface Meteorological Fields during Boreal Summer: A Comprehensive Analysis over North America. Journal of Climate, 2016, 29, 7345-7364.	1.2	93
26	West African monsoon decadal variability and surface-related forcings: second West African Monsoon Modeling and Evaluation Project Experiment (WAMME II). Climate Dynamics, 2016, 47, 3517-3545.	1.7	39
27	Large-Scale Controls on Atlantic Tropical Cyclone Activity on Seasonal Time Scales. Journal of Climate, 2016, 29, 6727-6749.	1.2	15
28	Vertical structure and physical processes of the Maddenâ€Julian oscillation: Exploring key model physics in climate simulations. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4718-4748.	1.2	332
29	An intensified seasonal transition in the Central U.S. that enhances summer drought. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8804-8816.	1.2	21
30	Sensitivity of Tropical Cyclones to Parameterized Convection in the NASA GEOS-5 Model. Journal of Climate, 2015, 28, 551-573.	1.2	45
31	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 997-1017.	1.7	158
32	Prospects for Advancing Drought Understanding, Monitoring, and Prediction. Journal of Hydrometeorology, 2015, 16, 1636-1657.	0.7	72
33	Causes of the 2011â€“14 California Drought*. Journal of Climate, 2015, 28, 6997-7024.	1.2	317
34	Prediction of the Arctic Oscillation in boreal winter by dynamical seasonal forecasting systems. Geophysical Research Letters, 2014, 41, 3577-3585.	1.5	57
35	The Precipitation Response over the Continental United States to Cold Tropical Pacific Sea Surface Temperatures. Journal of Climate, 2014, 27, 5036-5055.	1.2	10
36	A Mechanism for Landâ€“Atmosphere Feedback Involving Planetary Wave Structures. Journal of Climate, 2014, 27, 9290-9301.	1.2	46

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37	The North American Multimodel Ensemble: Phase-1 Seasonal-to-Interannual Prediction; Phase-2 toward Developing Intraseasonal Prediction. Bulletin of the American Meteorological Society, 2014, 95, 585-601.	1.7	756
38	On the Role of SST Forcing in the 2011 and 2012 Extreme U.S. Heat and Drought: A Study in Contrasts. Journal of Hydrometeorology, 2014, 15, 1255-1273.	0.7	65
39	Representation of tropical subseasonal variability of precipitation in global reanalyses. Climate Dynamics, 2014, 43, 517-534.	1.7	23
40	Decadal prediction skill in the GEOS-5 forecast system. Climate Dynamics, 2014, 42, 1-20.	1.7	36
41	An assessment of the ENSO forecast skill of GEOS-5 system. Climate Dynamics, 2014, 43, 2415-2430.	1.7	14
42	Northern Eurasian Heat Waves and Droughts. Journal of Climate, 2014, 27, 3169-3207.	1.2	178
43	How Well Do Global Climate Models Simulate the Variability of Atlantic Tropical Cyclones Associated with ENSO?. Journal of Climate, 2014, 27, 5673-5692.	1.2	45
44	Role of tropical atlantic SST variability as a modulator of El NiÃ±o teleconnections. Asia-Pacific Journal of Atmospheric Sciences, 2014, 50, 247-261.	1.3	21
45	Monitoring and Understanding Changes in Heat Waves, Cold Waves, Floods, and Droughts in the United States: State of Knowledge. Bulletin of the American Meteorological Society, 2013, 94, 821-834.	1.7	365
46	A Characterization of African Easterly Waves on 2.5â€“6-Day and 6â€“9-Day Time Scales. Journal of Climate, 2013, 26, 6750-6774.	1.2	25
47	Advancing Drought Understanding, Monitoring, and Prediction. Bulletin of the American Meteorological Society, 2013, 94, ES186-ES188.	1.7	19
48	Toward Global Drought Early Warning Capability: Expanding International Cooperation for the Development of a Framework for Monitoring and Forecasting. Bulletin of the American Meteorological Society, 2013, 94, 776-785.	1.7	142
49	Attribution of the Extreme U.S. East Coast Snowstorm Activity of 2010. Journal of Climate, 2012, 25, 3771-3791.	1.2	4
50	Optimal Initial Perturbations for Ensemble Prediction of the Maddenâ€“Julian Oscillation during Boreal Winter. Journal of Climate, 2012, 25, 4932-4945.	1.2	14
51	African Easterly Jet: Barotropic Instability, Waves, and Cyclogenesis. Journal of Climate, 2012, 25, 1489-1510.	1.2	26
52	Simulation of the intraseasonal variability over the Eastern Pacific ITCZ in climate models. Climate Dynamics, 2012, 39, 617-636.	1.7	19
53	Warm Season Subseasonal Variability and Climate Extremes in the Northern Hemisphere: The Role of Stationary Rossby Waves. Journal of Climate, 2011, 24, 4773-4792.	1.2	166
54	MERRA: NASAâ€™s Modern-Era Retrospective Analysis for Research and Applications. Journal of Climate, 2011, 24, 3624-3648.	1.2	4,118

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55	Modes of variability of Southern Hemisphere atmospheric circulation estimated by AGCMs. Climate Dynamics, 2011, 36, 473-490.	1.7	11
56	Non-stationarity of the signal and noise characteristics of seasonal precipitation anomalies. Climate Dynamics, 2011, 36, 739-752.	1.7	3
57	High-resolution subtropical summer precipitation derived from dynamical downscaling of the NCEP/DOE reanalysis: how much small-scale information is added by a regional model?. Climate Dynamics, 2011, 37, 1061-1080.	1.7	15
58	Representation of tropical storms in the northwestern pacific by the Modern-Era Retrospective analysis for research and applications. Asia-Pacific Journal of Atmospheric Sciences, 2011, 47, 245-253.	1.3	3
59	Mechanisms of diurnal precipitation over the US Great Plains: a cloud resolving model perspective. Climate Dynamics, 2010, 34, 419-437.	1.7	17
60	Intercomparison and analyses of the climatology of the West African Monsoon in the West African Monsoon Modeling and Evaluation project (WAMME) first model intercomparison experiment. Climate Dynamics, 2010, 35, 3-27.	1.7	123
61	The Physical Mechanisms by Which the Leading Patterns of SST Variability Impact U.S. Precipitation. Journal of Climate, 2010, 23, 1815-1836.	1.2	43
62	Influence of SST Forcing on Stochastic Characteristics of Simulated Precipitation and Drought. Journal of Hydrometeorology, 2010, 11, 754-769.	0.7	15
63	Attribution of the Seasonality and Regionality in Climate Trends over the United States during 1950â€“2000. Journal of Climate, 2009, 22, 2571-2590.	1.2	96
64	A U.S. CLIVAR Project to Assess and Compare the Responses of Global Climate Models to Drought-Related SST Forcing Patterns: Overview and Results. Journal of Climate, 2009, 22, 5251-5272.	1.2	282
65	Warm Season Variations in the Low-Level Circulation and Precipitation over the Central United States in Observations, AMIP Simulations, and Idealized SST Experiments. Journal of Climate, 2009, 22, 5401-5420.	1.2	74
66	African Easterly Jet: Structure and Maintenance. Journal of Climate, 2009, 22, 4459-4480.	1.2	46
67	Drought-Induced Warming in the Continental United States under Different SST Regimes. Journal of Climate, 2009, 22, 5385-5400.	1.2	16
68	An Analysis of Moisture Fluxes into the Gulf of California. Journal of Climate, 2009, 22, 2216-2239.	1.2	15
69	Assessing the Skill of an All-Season Statistical Forecast Model for the Maddenâ€“Julian Oscillation. Monthly Weather Review, 2008, 136, 1940-1956.	0.5	74
70	Potential Predictability of Long-Term Drought and Pluvial Conditions in the U.S. Great Plains. Journal of Climate, 2008, 21, 802-816.	1.2	70
71	Using Observed Spatial Correlation Structures to Increase the Skill of Subseasonal Forecasts. Monthly Weather Review, 2008, 136, 1923-1930.	0.5	4
72	ENSO and Wintertime Extreme Precipitation Events over the Contiguous United States. Journal of Climate, 2008, 21, 22-39.	1.2	61

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73	North American Monsoon and Convectively Coupled Equatorial Waves Simulated by IPCC AR4 Coupled GCMs. Journal of Climate, 2008, 21, 2919-2937.	1.2	33
74	Subseasonal Variability Associated with Asian Summer Monsoon Simulated by 14 IPCC AR4 Coupled GCMs. Journal of Climate, 2008, 21, 4541-4567.	1.2	116
75	Sensitivity to Horizontal Resolution in the AGCM Simulations of Warm Season Diurnal Cycle of Precipitation over the United States and Northern Mexico. Journal of Climate, 2007, 20, 1862-1881.	1.2	86
76	Investigation of the Summer Climate of the Contiguous United States and Mexico Using the Regional Atmospheric Modeling System (RAMS). Part II: Model Climate Variability. Journal of Climate, 2007, 20, 3866-3887.	1.2	80
77	An Analysis of the Warm-Season Diurnal Cycle over the Continental United States and Northern Mexico in General Circulation Models. Journal of Hydrometeorology, 2007, 8, 344-366.	0.7	93
78	Supplement to Predicting Drought on Seasonal-to-Decadal Time Scales: A National Drought Attribution and Prediction Consortium. Bulletin of the American Meteorological Society, 2007, 88, S9-S10.	1.7	12
79	Tropical Intraseasonal Variability in 14 IPCC AR4 Climate Models. Part I: Convective Signals. Journal of Climate, 2006, 19, 2665-2690.	1.2	664
80	Seasonality and Meridional Propagation of the MJO. Journal of Climate, 2006, 19, 1901-1921.	1.2	36
81	The Experimental MJO Prediction Project. Bulletin of the American Meteorological Society, 2006, 87, 425-431.	1.7	50
82	Distinct Hydrological Signatures in Observed Historical Temperature Fields. Journal of Hydrometeorology, 2006, 7, 1061-1075.	0.7	22
83	The NAME 2004 Field Campaign and Modeling Strategy. Bulletin of the American Meteorological Society, 2006, 87, 79-94.	1.7	98
84	Predictability Studies of the Intraseasonal Oscillation with the ECHAM5 GCM. Journals of the Atmospheric Sciences, 2005, 62, 3320-3336.	0.6	40
85	Global Changes of the Water Cycle Intensity. Journal of Climate, 2005, 18, 1591-1608.	1.2	108
86	On the Cause of the 1930s Dust Bowl. Science, 2004, 303, 1855-1859.	6.0	494
87	Differing Trends in the Tropical Surface Temperatures and Precipitation over Land and Oceans. Journal of Climate, 2004, 17, 653-664.	1.2	68
88	Causes of Long-Term Drought in the U.S. Great Plains. Journal of Climate, 2004, 17, 485-503.	1.2	307
89	Predictability of the Seasonal Mean Atmospheric Circulation during Autumn, Winter, and Spring. Journal of Climate, 2003, 16, 3629-3649.	1.2	20
90	Water Vapor Tracers as Diagnostics of the Regional Hydrologic Cycle. Journal of Hydrometeorology, 2002, 3, 149-165.	0.7	197

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91	Predictability of Zonal Means during Boreal Summer. Journal of Climate, 2002, 15, 420-434.	1.2	43
92	Forced and Free Intraseasonal Variability over the South Asian Monsoon Region Simulated by 10 AGCMs. Journal of Climate, 2002, 15, 2862-2880.	1.2	48
93	Diurnal Variation of Pressure-Heights: A Vertical Phase Shift. Journal of Climate, 2001, 14, 3793-3797.	1.2	6
94	Precipitation Recycling over the Central United States Diagnosed from the GEOS-1 Data Assimilation System. Journal of Hydrometeorology, 2001, 2, 26-35.	0.7	59
95	The Impact of ENSO on Extratropical Low-Frequency Noise in Seasonal Forecasts. Journal of Climate, 2001, 14, 2351-2365.	1.2	19
96	Predictability of the 1997 and 1998 South Asian Summer Monsoon Low-Level Winds. Journal of Climate, 2001, 14, 3173-3191.	1.2	10
97	Boreal winter predictions with the GEOS-2 GCM: The role of boundary forcing and initial conditions. Quarterly Journal of the Royal Meteorological Society, 2000, 126, 2293-2321.	1.0	16
98	Maintenance of Austral Summertime Upper-Tropospheric Circulation over Tropical South America: The Bolivian Highâ€“Nordeste Low System. Journals of the Atmospheric Sciences, 1999, 56, 2081-2100.	0.6	44
99	The Development of the South Asian Summer Monsoon and the Intraseasonal Oscillation. Journal of Climate, 1999, 12, 2054-2075.	1.2	57
100	Subseasonal Variations in Warm-Season Moisture Transport and Precipitation over the Central and Eastern United States. Journal of Climate, 1998, 11, 2530-2555.	1.2	47
101	The Climate Signal in Regional Moisture Fluxes: A Comparison of Three Global Data Assimilation Products. Journal of Climate, 1997, 10, 2623-2642.	1.2	23
102	On the Nature of the 1994 East Asian Summer Drought. Journal of Climate, 1997, 10, 1056-1070.	1.2	128
103	Seasonal variation of global surface pressure and water vapor. Tellus, Series A: Dynamic Meteorology and Oceanography, 1997, 49, 613-621.	0.8	8
104	Hydrologic Processes Associated with Cyclone Systems over the United States. Bulletin of the American Meteorological Society, 1996, 77, 1557-1567.	1.7	7
105	An Objective Method for Inferring Sources of Model Error. Monthly Weather Review, 1996, 124, 325-340.	0.5	41
106	Climatology of the Simulated Great Plains Low-Level Jet and Its Contribution to the Continental Moisture Budget of the United States. Journal of Climate, 1995, 8, 784-806.	1.2	223
107	An Assimilated Dataset for Earth Science Applications. Bulletin of the American Meteorological Society, 1993, 74, 2331-2342.	1.7	476
108	Remotely Forced Intraseasonal Oscillations over the Tropical Atlantic. Journals of the Atmospheric Sciences, 1993, 50, 89-103.	0.6	12

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109	Persistence and Predictability in a Perfect Model. Journals of the Atmospheric Sciences, 1992, 49, 256-269.	0.6	18
110	Dynamically Stratified Monte Carlo Forecasting. Monthly Weather Review, 1992, 120, 1077-1088.	0.5	10
111	Low-Frequency Intraseasonal Tropical-Extratropical Interactions. Journals of the Atmospheric Sciences, 1991, 48, 629-650.	0.6	60
112	Regional Earth-Atmosphere Energy Balance Estimates Based on Assimilations with a GCM. Journal of Climate, 1990, 3, 15-31.	1.2	13
113	Dynamical Predictability in a Simple General Circulation Model: Average Error Growth. Journals of the Atmospheric Sciences, 1989, 46, 353-370.	0.6	46
114	An Analysis of Tropopause Pressure and Total Ozone Correlations. Monthly Weather Review, 1988, 116, 569-582.	0.5	61