Yongqiang Yu

List of Publications by Citations

135 papers	5,115 citations	35 h-index	69 g-index
143 ext. papers	5,790 ext. citations	3.7 avg, IF	5.32 L-index

#	Paper	IF	Citations
135	Results of PMIP2 coupled simulations of the Mid-Holocene and Last Glacial Maximum Part 1: experiments and large-scale features. *Climate of the Past*, **2007**, 3, 261-277	3.9	974
134	Results of PMIP2 coupled simulations of the Mid-Holocene and Last Glacial Maximum Part 2: feedbacks with emphasis on the location of the ITCZ and mid- and high latitudes heat budget. *Climate of the Past*, **2007**, 3, 279-296	3.9	316
133	The flexible global ocean-atmosphere-land system model, Grid-point Version 2: FGOALS-g2. *Advances in Atmospheric Sciences*, **2013**, 30, 543-560	2.9	212
132	Past and future polar amplification of climate change: climate model intercomparisons and ice-core constraints. *Climate Dynamics*, **2006**, 26, 513-529	4.2	205
131	The Flexible Global Ocean-Atmosphere-Land system model, Spectral Version 2: FGOALS-s2. *Advances in Atmospheric Sciences*, **2013**, 30, 561-576	2.9	186
130	Last Glacial Maximum temperatures over the North Atlantic, Europe and western Siberia: a comparison between PMIP models, MARGO sea surface temperatures and pollen-based reconstructions. *Quaternary Science Reviews*, **2006**, 25, 2082-2102	3.9	157
129	Global coupled ocean-atmosphere general circulation models in LASG/IAP. *Advances in Atmospheric Sciences*, **2004**, 21, 444-455	2.9	151
128	The baseline evaluation of LASG/IAP climate system ocean model (LICOM) version 2. *Journal of Meteorological Research*, **2012**, 26, 318-329		115
127	A comparison of PMIP2 model simulations and the MARGO proxy reconstruction for tropical sea surface temperatures at last glacial maximum. *Climate Dynamics*, **2009**, 32, 799-815	4.2	112
126	ENSO at 6ka and 21ka from ocean atmosphere coupled model simulations. *Climate Dynamics*, **2008**, 30, 745-762	4.2	110
125	Modeling methane emission from rice paddies with various agricultural practices. *Journal of Geophysical Research*, **2004**, 109,		91
124	Design of a new dynamical core for global atmospheric models based on some efficient numerical methods. *Science in China Series A: Mathematics*, **2004**, 47, 4		90
123	Developed and developing world responsibilities for historical climate change and CO2 mitigation. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 12911-5	11.5	89
122	Changes in rice yields in China since 1980 associated with cultivar improvement, climate and crop management. *Field Crops Research*, **2012**, 136, 65-75	5.5	88
121	Marshland conversion to cropland in northeast China from 1950 to 2000 reduced the greenhouse effect. *Global Change Biology*, **2010**, 16, 680-695	11.4	86
120	Modeling methane emissions from irrigated rice cultivation in China from 1960 to 2050. *Global Change Biology*, **2011**, 17, 3511-3523	11.4	85
119	An eddy-permitting oceanic general circulation model and its preliminary evaluation. *Advances in Atmospheric Sciences*, **2004**, 21, 675-690	2.9	85

118	Carbon sequestration and its potential in agricultural soils of China. *Global Biogeochemical Cycles*, **2010**, 24, n/a-n/a	5.9	75
117	Tropical Water Vapor and Cloud Feedbacks in Climate Models: A Further Assessment Using Coupled Simulations. *Journal of Climate*, **2009**, 22, 1287-1304	4.4	75
116	Cloud and Water Vapor Feedbacks to the El Niño Warming: Are They Still Biased in CMIP5 Models?. *Journal of Climate*, **2013**, 26, 4947-4961	4.4	73
115	A flexible coupled ocean-atmosphere general circulation model. *Advances in Atmospheric Sciences*, **2002**, 19, 169-190	2.9	72
114	Causes of Strengthening and Weakening of ENSO Amplitude under Global Warming in Four CMIP5 Models*. *Journal of Climate*, **2015**, 28, 3250-3274	4.4	68
113	Forcing of the Indian Ocean Dipole on the Interannual Variations of the Tropical Pacific Ocean: Roles of the Indonesian Throughflow. *Journal of Climate*, **2011**, 24, 3593-3608	4.4	67
112	Climate model projections from the Scenario Model Intercomparison Project (ScenarioMIP) of CMIP6. *Earth System Dynamics*, **2021**, 12, 253-293	4.8	60
111	Climatic features related to Eastern China summer rainfalls in the NCAR CCM3. *Advances in Atmospheric Sciences*, **2000**, 17, 503-518	2.9	58
110	Empirical models for estimating daily maximum, minimum and mean air temperatures with MODIS land surface temperatures. *International Journal of Remote Sensing*, **2011**, 32, 9415-9440	3.1	57
109	A possible explanation for the divergent projection of ENSO amplitude change under global warming. *Climate Dynamics*, **2017**, 49, 3799-3811	4.2	51
108	The Flexible Global Ocean-Atmosphere-Land System Model Grid-Point Version 3 (FGOALS-g3): Description and Evaluation. *Journal of Advances in Modeling Earth Systems*, **2020**, 12, e2019MS002012	7.1	48
107	Comparing cloud radiative properties between the Eastern China and the Indian monsoon region. *Advances in Atmospheric Sciences*, **2001**, 18, 1090-1102	2.9	43
106	Phased evolution of the southnorth hydrographic gradient in the South China Sea since the middle Miocene. *Palaeogeography, Palaeoclimatology, Palaeoecology*, **2006**, 230, 251-263	2.9	40
105	Coupled model simulations of climate changes in the 20th century and beyond. *Advances in Atmospheric Sciences*, **2008**, 25, 641-654	2.9	39
104	Improved ENSO simulation from climate system model FGOALS-g1.0 to FGOALS-g2. *Climate Dynamics*, **2016**, 47, 2617-2634	4.2	38
103	Analysis of deep-layer and bottom circulations in the South China Sea based on eight quasi-global ocean model outputs. *Science Bulletin*, **2013**, 58, 4000-4011		38
102	Eddy energy sources and sinks in the South China Sea. *Journal of Geophysical Research: Oceans*, **2013**, 118, 4716-4726	3.3	37
101	Early and mid-Holocene climate in the tropical Pacific: seasonal cycle and interannual variability induced by insolation changes. *Climate of the Past*, **2012**, 8, 1093-1108	3.9	35

100	Versions g1.0 and g1.1 of the LASG/IAP Flexible Global Ocean-Atmosphere-Land System model. *Advances in Atmospheric Sciences*, **2011**, 28, 99-117	2.9	32
99	Long-term stability and oceanic mean state simulated by the coupled model FGOALS-s2. *Advances in Atmospheric Sciences*, **2013**, 30, 175-192	2.9	28
98	Paleoclimate modeling in China: A review. *Advances in Atmospheric Sciences*, **2015**, 32, 250-275	2.9	28
97	A quasi-global 1/10° eddy-resolving ocean general circulation model and its preliminary results. *Science Bulletin*, **2012**, 57, 3908-3916		27
96	A review of progress in coupled ocean-atmosphere model developments for ENSO studies in China. *Journal of Oceanology and Limnology*, **2020**, 38, 930-961	1.5	27
95	Rectification of El Niño-Southern Oscillation into Climate Anomalies of Decadal and Longer Time Scales: Results from Forced Ocean GCM Experiments. *Journal of Climate*, **2014**, 27, 2545-2561	4.4	26
94	Development of Climate and Earth System Models in China: Past Achievements and New CMIP6 Results. *Journal of Meteorological Research*, **2020**, 34, 1-19	2.3	25
93	The East Asian Summer Monsoon at mid-Holocene: results from PMIP3 simulations. *Climate of the Past*, **2013**, 9, 453-466	3.9	25
92	LICOM Model Datasets for the CMIP6 Ocean Model Intercomparison Project. *Advances in Atmospheric Sciences*, **2020**, 37, 239-249	2.9	24
91	Simulation of climate change induced by CO2 increasing for East Asia with IAP/LASG GOALS model. *Advances in Atmospheric Sciences*, **2001**, 18, 53-66	2.9	24
90	Simulation of thermohaline circulation with a twenty-layer oceanic general circulation model. *Theoretical and Applied Climatology*, **1996**, 55, 65-87	3	21
89	Description and Climate Simulation Performance of CAS-ESM Version 2. *Journal of Advances in Modeling Earth Systems*, **2020**, 12, e2020MS002210	7.1	21
88	Primary reasoning behind the double ITCZ phenomenon in a coupled ocean-atmosphere general circulation model. *Advances in Atmospheric Sciences*, **2004**, 21, 857-867	2.9	20
87	The impact of low-level cloud over the eastern subtropical Pacific on the "double ITCZ" in LASG FGCM-0. *Advances in Atmospheric Sciences*, **2003**, 20, 461-474	2.9	20
86	Summer monsoon rainfalls over Mid-Eastern China lagged correlated with global SSTs. *Advances in Atmospheric Sciences*, **2001**, 18, 179-196	2.9	20
85	Progress in the development and application of climate ocean models and ocean-atmosphere coupled models in China. *Advances in Atmospheric Sciences*, **2007**, 24, 1109-1120	2.9	19
84	Projective analysis of staple food crop productivity in adaptation to future climate change in China. *International Journal of Biometeorology*, **2017**, 61, 1445-1460	3.7	17
83	Overview of the CMIP6 Historical Experiment Datasets with the Climate System Model CAS FGOALS-f3-L. *Advances in Atmospheric Sciences*, **2020**, 37, 1057-1066	2.9	16

82	An assessment of Indo-Pacific oceanic channel dynamics in the FGOALS-g2 coupled climate system model. *Advances in Atmospheric Sciences*, **2013**, 30, 997-1016	2.9	16
81	Oceanic climatology in the coupled model FGOALS-g2: Improvements and biases. *Advances in Atmospheric Sciences*, **2013**, 30, 819-840	2.9	16
80	Quantifying carbon input for targeted soil organic carbon sequestration in China croplands. *Plant and Soil*, **2015**, 394, 57-71	4.2	15
79	Paleoclimate simulations of the mid-Holocene and last glacial maximum by FGOALS. *Advances in Atmospheric Sciences*, **2013**, 30, 684-698	2.9	15
78	Impacts of an improved low-level cloud scheme on the eastern Pacific ITCZ-cold tongue complex. *Advances in Atmospheric Sciences*, **2005**, 22, 559-574	2.9	15
77	Greenhouse gas emissions from solid waste in Beijing: The rising trend and the mitigation effects by management improvements. *Waste Management and Research*, **2016**, 34, 368-77	4	14
76	Impact assessment of climate change, carbon dioxide fertilization and constant growing season on rice yields in China. *Climatic Change*, **2014**, 124, 763-775	4.5	14
75	Preliminary evaluations of FGOALS-g2 for decadal predictions. *Advances in Atmospheric Sciences*, **2013**, 30, 674-683	2.9	14
74	Reduction of initial shock in decadal predictions using a new initialization strategy. *Geophysical Research Letters*, **2017**, 44, 8538-8547	4.9	14
73	Response of ENSO and the Mean State of the Tropical Pacific to Extratropical Cooling and Warming: A Study Using the IAP Coupled Model. *Journal of Climate*, **2009**, 22, 5902-5917	4.4	14
72	Simulations of the 100-hPa South Asian High and precipitation over East Asia with IPCC coupled GCMs. *Advances in Atmospheric Sciences*, **2006**, 23, 375-390	2.9	14
71	Impacts of agricultural management and climate change on future soil organic carbon dynamics in North China Plain. *PLoS ONE*, **2014**, 9, e94827	3.7	14
70	Arctic Oscillation during the Mid-Holocene and Last Glacial Maximum from PMIP2 Coupled Model Simulations. *Journal of Climate*, **2010**, 23, 3792-3813	4.4	13
69	Resolving and Parameterising the Ocean Mesoscale in Earth System Models. *Current Climate Change Reports*, **2020**, 6, 137-152	9	13
68	The FGOALS climate system model as a modeling tool for supporting climate sciences: An overview. *Earth and Planetary Physics*, **2018**, 2, 276-291	1.6	13
67	The hiatus and accelerated warming decades in CMIP5 simulations. *Advances in Atmospheric Sciences*, **2014**, 31, 1316-1330	2.9	12
66	Response of sea surface temperature to chlorophyll-a concentration in the tropical Pacific: Annual mean, seasonal cycle, and interannual variability. *Advances in Atmospheric Sciences*, **2011**, 28, 492-510	2.9	12
65	Numerical simulation of global temperature change during the 20th century with the IAP/LASG GOALS model. *Advances in Atmospheric Sciences*, **2004**, 21, 227-235	2.9	12

64	The North Atlantic oscillation simulated by versions 2 and 4 of IAP/ LASG GOALS Model. *Advances in Atmospheric Sciences*, **2000**, 17, 601-616	2.9	12
63	Annual cycle and interannual variability in the tropical pacific as simulated by three versions of FGOALS. *Advances in Atmospheric Sciences*, **2013**, 30, 621-637	2.9	11
62	Impact of the South China Sea throughflow on the pacific low-latitude western boundary current: A numerical study for seasonal and interannual time scales. *Advances in Atmospheric Sciences*, **2011**, 28, 1367-1376	2.9	11
61	Impacts of Diurnal Cycle of SST on the Intraseasonal Variation of Surface Heat Flux over the Western Pacific Warm Pool. *Advances in Atmospheric Sciences*, **2001**, 18, 793-806	2.9	11
60	Tropical Pacific mean state and ENSO changes: sensitivity to freshwater flux and remnant ice sheets at 9.5 ka BP. *Climate Dynamics*, **2015**, 44, 661-678	4.2	10
59	The role of the Kuroshio in the winter North Pacific ocean-atmosphere interaction: Comparison of a coupled model and observations. *Advances in Atmospheric Sciences*, **2006**, 23, 181-189	2.9	9
58	CAS FGOALS-f3-L model dataset descriptions for CMIP6 DECK experiments. *Atmospheric and Oceanic Science Letters*, **2020**, 13, 582-588	1.4	9
57	ENSO phase-locking in an ocean-atmosphere coupled model FGCM-1.0. *Advances in Atmospheric Sciences*, **2007**, 24, 833-844	2.9	8
56	Eddy-resolving Simulation of CAS-LICOM3 for Phase 2 of the Ocean Model Intercomparison Project. *Advances in Atmospheric Sciences*, **2020**, 37, 1067-1080	2.9	8
55	Impacts of External Forcing on the Decadal Climate Variability in CMIP5 Simulations*. *Journal of Climate*, **2015**, 28, 5389-5405	4.4	7
54	Long-term behaviors of two versions of FGOALS2 in preindustrial control simulations with implications for 20th century simulations. *Advances in Atmospheric Sciences*, **2013**, 30, 577-592	2.9	7
53	A Further Study of ENSO Rectification: Results from an OGCM with a Seasonal Cycle*. *Journal of Climate*, **2015**, 28, 1362-1382	4.4	7
52	Variability of atlantic meridional overturning circulation in FGOALS-g2. *Advances in Atmospheric Sciences*, **2014**, 31, 95-109	2.9	7
51	Potential predictability of sea surface temperature in a coupled ocean-atmosphere GCM. *Advances in Atmospheric Sciences*, **2010**, 27, 921-936	2.9	7
50	LASG Coupled Climate System Model FGCM-1.0. *Chinese Journal of Geophysics*, **2007**, 50, 1454-1465		7
49	Mean climate state simulated by a coupled ocean-atmosphere general circulation model. *Theoretical and Applied Climatology*, **1996**, 55, 99-111	3	7
48	Impact of atmospheric model resolution on simulation of ENSO feedback processes: a coupled model study. *Climate Dynamics*, **2018**, 51, 3077-3092	4.2	6
47	Indonesian Throughflow in an eddy-resolving ocean model. *Science Bulletin*, **2013**, 58, 4504-4514		6

46	The spring prediction barrier in ENSO hindcast experiments using the FGOALS-g model. *Chinese Journal of Oceanology and Limnology*, **2012**, 30, 1093-1104		6
45	Climate-vegetation interannual variability in a coupled atmosphere-ocean-land model. *Advances in Atmospheric Sciences*, **2009**, 26, 599-612	2.9	6
44	Bimodality of the South Asia High simulated by coupled models. *Advances in Atmospheric Sciences*, **2009**, 26, 1226-1234	2.9	6
43	Simulating crop net primary production in China from 2000 to 2050 by linking the Crop-C model with a FGOALS model climate change scenario. *Advances in Atmospheric Sciences*, **2007**, 24, 845-854	2.9	6
42	Impact of the closure of Indonesian seaway on climate: A numerical modeling study. *Science Bulletin* , **2004**, 48, 88		6
41	Implementation of Groundwater Lateral Flow and Human Water Regulation in CAS-FGOALS-g3. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD032289	4.4	6
40	CAS-FGOALS Datasets for the Two Interglacial Epochs of the Holocene and the Last Interglacial in PMIP4. *Advances in Atmospheric Sciences*, **2020**, 37, 1034-1044	2.9	6
39	Mean climatic characteristics in high northern latitudes in an ocean-sea ice-atmosphere coupled model. *Advances in Atmospheric Sciences*, **2004**, 21, 236-244	2.9	5
38	Weak response of the Atlantic thermohaline circulation to an increase of atmospheric car-bon dioxide in IAP/LASG Climate System Model. *Science Bulletin*, **2005**, 50, 592		5
37	Response of IAP/ LASG GOALS model to the coupling of air-Sea fresh water exchange. *Advances in Atmospheric Sciences*, **2000**, 17, 473-486	2.9	5
36	CAS-ESM2.0 Model Datasets for the CMIP6 Ocean Model Intercomparison Project Phase 1 (OMIP1). *Advances in Atmospheric Sciences*, **2021**, 38, 307-316	2.9	5
35	CAS-ESM2.0 Model Datasets for the CMIP6 Flux-Anomaly-Forced Model Intercomparison Project (FAFMIP). *Advances in Atmospheric Sciences*, **2021**, 38, 296-306	2.9	5
34	Percolation Phase Transition of Surface Air Temperature Networks: A new test bed for El Niño/La Niña simulations. *Scientific Reports*, **2017**, 7, 8324	4.9	4
33	A DRP-4DVar-Based Coupled Data Assimilation System With a Simplified Off-Line Localization Technique for Decadal Predictions. *Journal of Advances in Modeling Earth Systems*, **2020**, 12, e2019MS001768	7.1	4
32	Improvements in LICOM2. Part II: Arctic Circulation. *Journal of Atmospheric and Oceanic Technology*, **2014**, 31, 233-245	2	4
31	ENSO Hindcast Experiments Using a Coupled GCM. *Atmospheric and Oceanic Science Letters*, **2009**, 2, 7-13	1.4	4
30	Covarying modes of the Pacific SST and northern hemispheric midlatitude atmospheric circulation anomalies during winter. *Progress in Natural Science: Materials International*, **2008**, 18, 1261-1270	3.6	4
29	The coupling procedure of air-sea freshwater exchange in climate system models. *Science Bulletin*, **2001**, 46, 83-85		4

28	Climate model projections from the Scenario Model Intercomparison Project (ScenarioMIP) of CMIP6		4
27	Preliminary Evaluations of ENSO-Related Cloud and Water Vapor Feedbacks in FGOALS **2014**, 189-197		4
26	A new DRP-4DVar-based coupled data assimilation system for decadal predictions using a fast online localization technique. *Climate Dynamics*, **2020**, 54, 3541-3559	4.2	3
25	Improvements in LICOM2. Part I: Vertical Mixing. *Journal of Atmospheric and Oceanic Technology*, **2014**, 31, 531-544	2	3
24	Influences of climate change on the uptake and storage of anthropogenic CO2 in the global ocean. *Journal of Meteorological Research*, **2012**, 26, 304-317		3
23	Simulation of east Asian summer monsoon with IAP CGCM. *Advances in Atmospheric Sciences*, **1997**, 14, 461-472	2.9	3
22	Differential Effects of Conservational Management on SOC Accumulation in the Grasslands of China. *PLoS ONE*, **2015**, 10, e0137280	3.7	3
21	ENSO and PDO in Two Versions of FGOALS **2014**, 107-113		3
20	Why do we have El Niño: quantifying a diabatic and nonlinear perspective using observations. *Climate Dynamics*, **2019**, 52, 6705-6717	4.2	3
19	Responses and mechanisms of East Asian winter and summer monsoons to weakened Atlantic meridional overturning circulation using the FGOALS-g2 model. *International Journal of Climatology*, **2018**, 38, 2618-2626	3.5	3
18	Evaluation of the zonal wind stress response to SST in the CMIP5 AMIP simulations. *Atmospheric and Oceanic Science Letters*, **2018**, 11, 157-164	1.4	2
17	Sensitivity of Atlantic meridional overturning circulation to the dynamical framework in an ocean general circulation model. *Journal of Meteorological Research*, **2017**, 31, 490-501	2.3	2
16	Decadal Variability in the North Pacific as Simulated by FGOALS_g Fast Coupled Climate Model. *Chinese Journal of Geophysics*, **2008**, 51, 49-62		2
15	Numerical simulation of the sensitivity of the pacific subtropical-tropical meridional cell to global warming*. *Progress in Natural Science: Materials International*, **2006**, 16, 507-511	3.6	2
14	Simulation and Improvements of Oceanic Circulation and Sea Ice by the Coupled Climate System Model FGOALS-f3-L. *Advances in Atmospheric Sciences*, **2020**, 37, 1133-1148	2.9	2
13	The GPU version of LASG/IAP Climate System Ocean Model version 3 (LICOM3) under the heterogeneous-compute interface for portability (HIP) framework and its large-scale application. *Geoscientific Model Development*, **2021**, 14, 2781-2799	6.3	2
12	Reduced connection between the East Asian Summer Monsoon and Southern Hemisphere Circulation on interannual timescales under intense global warming. *Climate Dynamics*, **2018**, 51, 3943-3955	4.2	1
11	Nonlinear responses of oceanic temperature to wind stress anomalies in tropical Pacific and Indian Oceans: A study based on numerical experiments with an OGCM. *Journal of Meteorological Research*, **2015**, 29, 608-626	2.3	1

10	A new global four-dimensional variational ocean data assimilation system and its application. *Advances in Atmospheric Sciences*, **2008**, 25, 680-691	2.9	1
9	The interannual variability of climate in a coupled ocean-atmosphere model. *Advances in Atmospheric Sciences*, **1995**, 12, 273-288	2.9	1
8	Datasets for the CMIP6 Scenario Model Intercomparison Project (ScenarioMIP) Simulations with the Coupled Model CAS FGOALS-f3-L. *Advances in Atmospheric Sciences*, **2021**, 38, 329-339	2.9	1
7	Distinct Evolution of the SST Anomalies in the Far Eastern Pacific between the 1997/98 and 2015/16 Extreme El Niños. *Advances in Atmospheric Sciences*, **2022**, 39, 927-942	2.9	0
6	Dominant Anomalous Circulation Patterns of Tibetan Plateau Summer Climate Generated by ENSO-Forced and ENSO-Independent Teleconnections. *Journal of Climate*, **2022**, 35, 1679-1694	4.4	0
5	Heat budget analysis in three typical warm periods simulated by FGOALS-s2. *Atmospheric and Oceanic Science Letters*, **2016**, 9, 83-89	1.4	
4	Weak response of the Atlantic thermohaline circulation to an increase of atmospheric carbon dioxide in IAP/LASG Climate System Model. *Science Bulletin*, **2005**, 50, 592-598		
3	Simulated Spatial and Temporal Distribution of Freezing and Thawing Fronts in CAS-FGOALS-g3. *Journal of Advances in Modeling Earth Systems*, **2021**, 13, e2020MS002152	7.1	
2	Modeling the Impact of Atmospheric Warming on Staple Crop Growth in China in the 1960s and 2000s. *Atmosphere*, **2021**, 12, 36	2.7	
1	Coupling of the CAS-LSM Land-Surface Model With the CAS-FGOALS-g3 Climate System Model. *Journal of Advances in Modeling Earth Systems*, **2021**, 13, e2020MS002171	7.1	