Nancy Y Kiang

List of Publications by Year
in descending order

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		201575	345118
39	4,958	27	36
papers	citations	h-index	g-index

42	42	42	6004
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. Journal of Climate, 2006, 19, 153-192.	1.2	832
2	Configuration and assessment of the GISS ModelE2 contributions to the CMIP5 archive. Journal of Advances in Modeling Earth Systems, 2014, 6, 141-184.	1.3	597
3	Exoplanet Biosignatures: A Review of Remotely Detectable Signs of Life. Astrobiology, 2018, 18, 663-708.	1.5	328
4	Spectral Signatures of Photosynthesis. I. Review of Earth Organisms. Astrobiology, 2007, 7, 222-251.	1.5	313
5	Spectral Signatures of Photosynthesis. II. Coevolution with Other Stars And The Atmosphere on Extrasolar Worlds. Astrobiology, 2007, 7, 252-274.	1.5	253
6	FLUXNET and modelling the global carbon cycle. Global Change Biology, 2007, 13, 610-633.	4.2	234
7	GISSâ€E2.1: Configurations and Climatology. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002025.	1.3	234
8	Was Venus the first habitable world of our solar system?. Geophysical Research Letters, 2016, 43, 8376-8383.	1.5	233
9	Climate simulations for 1880â€“2003 with GISS modelE. Climate Dynamics, 2007, 29, 661-696.	1.7	227
10	Dangerous human-made interference with climate: a GISS modelE study. Atmospheric Chemistry and Physics, 2007, 7, 2287-2312.	1.9	211
11	Exoplanet Biosignatures: A Framework for Their Assessment. Astrobiology, 2018, 18, 709-738.	1.5	139
12	CMIP5 historical simulations (1850â€“2012) with GISS ModelE2. Journal of Advances in Modeling Earth Systems, 2014, 6, 441-478.	1.3	133
13	Land Surface Model Development for the GISS GCM: Effects of Improved Canopy Physiology on Simulated Climate. Journal of Climate, 2005, 18, 2883-2902.	1.2	124
14	Future climate change under RCP emission scenarios with GISS <scp>M</scp>odelE2. Journal of Advances in Modeling Earth Systems, 2015, 7, 244-267.	1.3	112
15	Resolving Orbital and Climate Keys of Earth and Extraterrestrial Environments with Dynamics (ROCKE-3D) 1.0: A General Circulation Model for Simulating the Climates of Rocky Planets. Astrophysical Journal, Supplement Series, 2017, 231, 12.	3.0	106
16	Detectability of Planetary Characteristics in Disk-Averaged Spectra II: Synthetic Spectra and Light-Curves of Earth. Astrobiology, 2006, 6, 881-900.	1.5	95
17	Exoplanet Biosignatures: Future Directions. Astrobiology, 2018, 18, 779-824.	1.5	85
18	Photosynthesis-dependent isoprene emission from leaf to planet in a global carbon-chemistry-climate model. Atmospheric Chemistry and Physics, 2013, 13, 10243-10269.	1.9	82

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19	Habitable Climate Scenarios for Proxima Centauri b with a Dynamic Ocean. Astrobiology, 2019, 19, 99-125.	1.5	80
20	Climates of Warm Earth-like Planets. I. 3D Model Simulations. Astrophysical Journal, Supplement Series, 2018, 239, 24.	3.0	61
21	A clumped-foliage canopy radiative transfer model for a global dynamic terrestrial ecosystem model. I: Theory. Agricultural and Forest Meteorology, 2010, 150, 881-894.	1.9	60
22	Exoplanet Biosignatures: At the Dawn of a New Era of Planetary Observations. Astrobiology, 2018, 18, 619-629.	1.5	54
23	The Color of Plants on Other Worlds. Scientific American, 2008, 298, 48-55.	1.0	51
24	CMIP6 Historical Simulations (1850â€“2014) With GISSâ€E2.1. Journal of Advances in Modeling Earth Systems, 2021, 13, e2019MS002034.	1.3	49
25	Efficiency of photosynthesis in a Chl d-utilizing cyanobacterium is comparable to or higher than that in Chl a-utilizing oxygenic species. Biochimica Et Biophysica Acta - Bioenergetics, 2011, 1807, 1231-1236.	0.5	43
26	CHARACTERIZING THE PURPLE EARTH: MODELING THE GLOBALLY INTEGRATED SPECTRAL VARIABILITY OF THE ARCHEAN EARTH. Astrophysical Journal, 2014, 780, 52.	1.6	43
27	A clumped-foliage canopy radiative transfer model for a Global Dynamic Terrestrial Ecosystem Model II: Comparison to measurements. Agricultural and Forest Meteorology, 2010, 150, 895-907.	1.9	35
28	Variability of phenology and fluxes of water and carbon with observed and simulated soil moisture in the Ent Terrestrial Biosphere Model (Ent TBM version 1.0.1.0.0). Geoscientific Model Development, 2015, 8, 3837-3865.	1.3	32
29	Photosystem trap energies and spectrally-dependent energy-storage efficiencies in the Chl d-utilizing cyanobacterium, Acaryochloris marina. Biochimica Et Biophysica Acta - Bioenergetics, 2013, 1827, 255-265.	0.5	24
30	Future Climate Change Under SSP Emission Scenarios With GISSâ€E2.1. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	22
31	Albedos, Equilibrium Temperatures, and Surface Temperatures of Habitable Planets. Astrophysical Journal, 2019, 884, 75.	1.6	18
32	Global Carbon Cycle and Climate Feedbacks in the NASA GISS ModelE2.1. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002030.	1.3	15
33	The Peak Absorbance Wavelength of Photosynthetic Pigments Around Other Stars From Spectral Optimization. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	9
34	Climates of Warm Earth-like Planets. III. Fractional Habitability from a Water Cycle Perspective. Astrophysical Journal, 2019, 887, 197.	1.6	5
35	The Sensitivity of Landâ€Atmosphere Coupling to Modern Agriculture in the Northern Midlatitudes. Journal of Climate, 2019, 32, 465-484.	1.2	5
36	Discovery of Chlorophyll d: Isolation and Characterization of a Far-Red Cyanobacterium from the Original Site of Manning and Strain (1943) at Moss Beach, California. Microorganisms, 2022, 10, 819.	1.6	2

#	Article	IF	Citations
37	Lifeâ€™s Requirements. , 2018, , 2795-2816.		1
38	Inexact MDL for linear manifold clusters. , 2016, , .		0
39	Lifeâ€™s Requirements. , 2018, , 1-22.		0