

Nancy Y Kiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5138991/publications.pdf>

Version: 2024-02-01

39
papers

4,958
citations

201575

27
h-index

345118

36
g-index

42
all docs

42
docs citations

42
times ranked

6004
citing authors

#	ARTICLE	IF	CITATIONS
1	Future Climate Change Under SSP Emission Scenarios With GISSâ€E2.1. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	22
2	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
3	CMIP6 Historical Simulations (1850â€“2014) With GISSâ€E2.1. Journal of Advances in Modeling Earth Systems, 2021, 13, e2019MS002034.	1.3	49
4	The Peak Absorbance Wavelength of Photosynthetic Pigments Around Other Stars From Spectral Optimization. Frontiers in Astronomy and Space Sciences, 2021, 8, .	1.1	9
5	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
6	GISSâ€E2.1: Configurations and Climatology. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002025.	1.3	234
7	Albedos, Equilibrium Temperatures, and Surface Temperatures of Habitable Planets. Astrophysical Journal, 2019, 884, 75.	1.6	18
8	Climates of Warm Earth-like Planets. III. Fractional Habitability from a Water Cycle Perspective. Astrophysical Journal, 2019, 887, 197.	1.6	5
9	Habitable Climate Scenarios for Proxima Centauri b with a Dynamic Ocean. Astrobiology, 2019, 19, 99-125.	1.5	80
10	The Sensitivity of Landâ€“Atmosphere Coupling to Modern Agriculture in the Northern Midlatitudes. Journal of Climate, 2019, 32, 465-484.	1.2	5
11	Exoplanet Biosignatures: A Framework for Their Assessment. Astrobiology, 2018, 18, 709-738.	1.5	139
12	Exoplanet Biosignatures: A Review of Remotely Detectable Signs of Life. Astrobiology, 2018, 18, 663-708.	1.5	328
13	Lifeâ€™s Requirements. , 2018, , 2795-2816.		1
14	Climates of Warm Earth-like Planets. I. 3D Model Simulations. Astrophysical Journal, Supplement Series, 2018, 239, 24.	3.0	61
15	Exoplanet Biosignatures: Future Directions. Astrobiology, 2018, 18, 779-824.	1.5	85
16	Exoplanet Biosignatures: At the Dawn of a New Era of Planetary Observations. Astrobiology, 2018, 18, 619-629.	1.5	54
17	Lifeâ€™s Requirements. , 2018, , 1-22.		0
18	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

#	ARTICLE	IF	CITATIONS
19	Was Venus the first habitable world of our solar system?. <i>Geophysical Research Letters</i> , 2016, 43, 8376-8383.	1.5	233
20	Inexact MDL for linear manifold clusters. , 2016, , .		0
21	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). <i>Geoscientific Model Development</i> , 2015, 8, 3837-3865.	1.3	32
22	Future climate change under RCP emission scenarios with GISS ModelE2. <i>Journal of Advances in Modeling Earth Systems</i> , 2015, 7, 244-267.	1.3	112
23	CMIP5 historical simulations (1850–2012) with GISS ModelE2. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 441-478.	1.3	133
24	Configuration and assessment of the GISS ModelE2 contributions to the CMIP5 archive. <i>Journal of Advances in Modeling Earth Systems</i> , 2014, 6, 141-184.	1.3	597
25	CHARACTERIZING THE PURPLE EARTH: MODELING THE GLOBALLY INTEGRATED SPECTRAL VARIABILITY OF THE ARCHEAN EARTH. <i>Astrophysical Journal</i> , 2014, 780, 52.	1.6	43
26	Photosystem trap energies and spectrally-dependent energy-storage efficiencies in the Chl d-utilizing cyanobacterium, <i>Acaryochloris marina</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2013, 1827, 255-265.	0.5	24
27	Photosynthesis-dependent isoprene emission from leaf to planet in a global carbon-chemistry-climate model. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10243-10269.	1.9	82
28	Efficiency of photosynthesis in a Chl d-utilizing cyanobacterium is comparable to or higher than that in Chl a-utilizing oxygenic species. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1231-1236.	0.5	43
29	A clumped-foliage canopy radiative transfer model for a Global Dynamic Terrestrial Ecosystem Model II: Comparison to measurements. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 895-907.	1.9	35
30	A clumped-foliage canopy radiative transfer model for a global dynamic terrestrial ecosystem model. I: Theory. <i>Agricultural and Forest Meteorology</i> , 2010, 150, 881-894.	1.9	60
31	The Color of Plants on Other Worlds. <i>Scientific American</i> , 2008, 298, 48-55.	1.0	51
32	Dangerous human-made interference with climate: a GISS modelE study. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2287-2312.	1.9	211
33	Spectral Signatures of Photosynthesis. I. Review of Earth Organisms. <i>Astrobiology</i> , 2007, 7, 222-251.	1.5	313
34	Spectral Signatures of Photosynthesis. II. Coevolution with Other Stars And The Atmosphere on Extrasolar Worlds. <i>Astrobiology</i> , 2007, 7, 252-274.	1.5	253
35	FLUXNET and modelling the global carbon cycle. <i>Global Change Biology</i> , 2007, 13, 610-633.	4.2	234
36	Climate simulations for 1880–2003 with GISS modelE. <i>Climate Dynamics</i> , 2007, 29, 661-696.	1.7	227

#	ARTICLE	IF	CITATIONS
37	Detectability of Planetary Characteristics in Disk-Averaged Spectra II: Synthetic Spectra and Light-Curves of Earth. <i>Astrobiology</i> , 2006, 6, 881-900.	1.5	95
38	Present-Day Atmospheric Simulations Using GISS ModelE: Comparison to In Situ, Satellite, and Reanalysis Data. <i>Journal of Climate</i> , 2006, 19, 153-192.	1.2	832
39	Land Surface Model Development for the GISS GCM: Effects of Improved Canopy Physiology on Simulated Climate. <i>Journal of Climate</i> , 2005, 18, 2883-2902.	1.2	124