

Michael J Way

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

1,870
citations

279798

23
h-index

265206

42
g-index

67
all docs

67
docs citations

67
times ranked

2029
citing authors

#	ARTICLE	IF	CITATIONS
1	Was Venus the first habitable world of our solar system?. Geophysical Research Letters, 2016, 43, 8376-8383.	4.0	233
2	Non-Gaussianity of the Derived Maps from the First-Year Wilkinson Microwave Anisotropy Probe Data. Astrophysical Journal, 2003, 590, L65-L68.	4.5	140
3	Impact of space weather on climate and habitability of terrestrial-type exoplanets. International Journal of Astrobiology, 2020, 19, 136-194.	1.6	125
4	X-Ray Overluminous Elliptical Galaxies: A New Class of Mass Concentrations in the Universe?. Astrophysical Journal, 1999, 520, L1-L4.	4.5	118
5	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.	7.7	106
6	Venusian Habitable Climate Scenarios: Modeling Venus Through Time and Applications to Slowly Rotating Venus-Like Exoplanets. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006276.	3.6	101
7	Habitable Climate Scenarios for Proxima Centauri b with a Dynamic Ocean. Astrobiology, 2019, 19, 99-125.	3.0	80
8	Effects of Variable Eccentricity on the Climate of an Earth-like World. Astrophysical Journal Letters, 2017, 835, L1.	8.3	64
9	Climates of Warm Earth-like Planets. I. 3D Model Simulations. Astrophysical Journal, Supplement Series, 2018, 239, 24.	7.7	61
10	Large scale structure in the SDSS galaxy survey. Astronomy and Astrophysics, 2004, 418, 7-23.	5.1	60
11	Venus as a Laboratory for Exoplanetary Science. Journal of Geophysical Research E: Planets, 2019, 124, 2015-2028.	3.6	59
12	TRAPPIST-1 Habitable Atmosphere Intercomparison (THAI): motivations and protocol version 1.0. Geoscientific Model Development, 2020, 13, 707-716.	3.6	52
13	Novel Methods for Predicting Photometric Redshifts from Broadband Photometry Using Virtual Sensors. Astrophysical Journal, 2006, 647, 102-115.	4.5	51
14	Venus' Mass Spectra Show Signs of Disequilibria in the Middle Clouds. Geophysical Research Letters, 2021, 48, e2020GL091327.	4.0	44
15	NEW APPROACHES TO PHOTOMETRIC REDSHIFT PREDICTION VIA GAUSSIAN PROCESS REGRESSION IN THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal, 2009, 706, 623-636.	4.5	38
16	Venus, an Astrobiology Target. Astrobiology, 2021, 21, 1163-1185.	3.0	38
17	Dynamics of the Cluster of Galaxies A3266 (Sersic 40/60). I. Spectroscopic Data. Astronomical Journal, 1996, 112, 36.	4.7	38
18	Local starburst galaxies and their descendants. Astronomy and Astrophysics, 2016, 587, A72.	5.1	33

#	ARTICLE	IF	CITATIONS
19	Long-term evolution of planetary systems with a terrestrial planet and a giant planet. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1512-1528.	4.4	33
20	Can Self-Organizing Maps Accurately Predict Photometric Redshifts?. Publications of the Astronomical Society of the Pacific, 2012, 124, 274-279.	3.1	29
21	TRAPPIST Habitable Atmosphere Intercomparison (THAI) Workshop Report. Planetary Science Journal, 2021, 2, 106.	3.6	29
22	Enhanced Habitability on High Obliquity Bodies near the Outer Edge of the Habitable Zone of Sun-like Stars. Astrophysical Journal, 2019, 884, 138.	4.5	27
23	Climate Modeling of a Potential ExoVenus. Astrophysical Journal, 2018, 869, 46.	4.5	26
24	Climates of Warm Earth-like Planets. II. Rotational "Goldilocks" Zones for Fractional Habitability and Silicate Weathering. Astrophysical Journal, 2019, 875, 79.	4.5	23
25	Deconstructing Abell 3266: A Major Merger in a Quiet Cluster. Astrophysical Journal, 2000, 532, 206-213.	4.5	23
26	STRUCTURE IN THE THREE-DIMENSIONAL GALAXY DISTRIBUTION. I. METHODS AND EXAMPLE RESULTS. Astrophysical Journal, 2011, 727, 48.	4.5	22
27	Albedos, Equilibrium Temperatures, and Surface Temperatures of Habitable Planets. Astrophysical Journal, 2019, 884, 75.	4.5	18
28	Circumpolar ocean stability on Mars 3 Gy ago. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	17
29	Modeling a Transient Secondary Paleolunar Atmosphere: 3D Simulations and Analysis. Geophysical Research Letters, 2019, 46, 5107-5116.	4.0	16
30	Velocity Dispersions and Cluster Properties in the Southern Abell Redshift Survey Clusters. II.. Astronomical Journal, 2002, 124, 1934-1942.	4.7	15
31	Redshifts in the Southern Abell Redshift Survey Clusters. I. The Data. Astronomical Journal, 2005, 130, 2012-2018.	4.7	14
32	Consequences of Tidal Dissipation in a Putative Venusian Ocean. Astrophysical Journal Letters, 2019, 876, L22.	8.3	14
33	Tides on Other Earths: Implications for Exoplanet and Palaeo-Tidal Simulations. Geophysical Research Letters, 2020, 47, e2019GL085746.	4.0	14
34	3D Simulations of the Early Martian Hydrological Cycle Mediated by a H ₂ -CO ₂ Greenhouse. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006825.	3.6	12
35	Early Habitability and Crustal Decarbonation of a Stagnant-Lid Venus. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006895.	3.6	12
36	Spectroscopy of the NGC 4782/3 Dumbbell Dominated Group of Galaxies: Dark Haloes and Merger of Subgroups. Astronomical Journal, 1996, 111, 603.	4.7	12

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37	Plasma observations during the Mars atmospheric "plume" event of March-April 2012. Journal of Geophysical Research: Space Physics, 2016, 121, 3139-3154.	2.4	10
38	Large-scale Volcanism and the Heat Death of Terrestrial Worlds. Planetary Science Journal, 2022, 3, 92.	3.6	9
39	GALAXY ZOO MORPHOLOGY AND PHOTOMETRIC REDSHIFTS IN THE SLOAN DIGITAL SKY SURVEY. Astrophysical Journal Letters, 2011, 734, L9.	8.3	8
40	STRUCTURE IN THE 3D GALAXY DISTRIBUTION. II. VOIDS AND WATERSHEDS OF LOCAL MAXIMA AND MINIMA. Astrophysical Journal, 2015, 799, 95.	4.5	7
41	Statistics of Active Galactic Nuclei in Rich Clusters Revisited. Astrophysical Journal, 1998, 502, 134-140.	4.5	7
42	Viewpoints: A High-Performance High-Dimensional Exploratory Data Analysis Tool. Publications of the Astronomical Society of the Pacific, 2010, 122, 1518-1525.	3.1	5
43	Climates of Warm Earth-like Planets. III. Fractional Habitability from a Water Cycle Perspective. Astrophysical Journal, 2019, 887, 197.	4.5	5
44	The Impact of Planetary Rotation Rate on the Reflectance and Thermal Emission Spectrum of Terrestrial Exoplanets around Sunlike Stars. Astrophysical Journal, 2020, 893, 140.	4.5	5
45	Effects of Spin-Orbit Resonances and Tidal Heating on the Inner Edge of the Habitable Zone. Astrophysical Journal, 2021, 921, 25.	4.5	5
46	Lemaître's Hubble relationship. Physics Today, 2011, 64, 8-8.	0.3	4
47	The Climates of Earth's Next Supercontinent: Effects of Tectonics, Rotation Rate, and Insolation. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009983.	2.5	2
48	High relative velocity central dumbbells in poor clusters. Astronomische Nachrichten, 2009, 330, 924-927.	1.2	1
49	Structure in the 3D Galaxy Distribution. III. Fourier Transforming the Universe: Phase and Power Spectra. Astrophysical Journal, 2017, 839, 40.	4.5	1
50	Historical notes on the expanding universe. Physics Today, 2014, 67, 8-9.	0.3	0
51	Venus Topography and Boundary Conditions in 3D General Circulation Modeling. Lecture Notes in Geoinformation and Cartography, 2019, , 325-335.	1.0	0
52	Effects Of Variable Eccentricity On The Climate Of An Earth-Like World. , 2017, , .		0