

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	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
2	Large-scale Volcanism and the Heat Death of Terrestrial Worlds. Planetary Science Journal, 2022, 3, 92.	3.6	9
3	Venus' Mass Spectra Show Signs of Disequilibria in the Middle Clouds. Geophysical Research Letters, 2021, 48, e2020GL091327.	4.0	44
4	Venus, an Astrobiology Target. Astrobiology, 2021, 21, 1163-1185.	3.0	38
5	TRAPPIST Habitable Atmosphere Intercomparison (THAI) Workshop Report. Planetary Science Journal, 2021, 2, 106.	3.6	29
6	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
7	The Climates of Earth's Next Supercontinent: Effects of Tectonics, Rotation Rate, and Insolation. Geochemistry, Geophysics, Geosystems, 2021, 22, e2021GC009983.	2.5	2
8	Early Habitability and Crustal Decarbonation of a Stagnant-Lid Venus. Journal of Geophysical Research E: Planets, 2021, 126, e2021JE006895.	3.6	12
9	Effects of Spin-Orbit Resonances and Tidal Heating on the Inner Edge of the Habitable Zone. Astrophysical Journal, 2021, 921, 25.	4.5	5
10	Impact of space weather on climate and habitability of terrestrial-type exoplanets. International Journal of Astrobiology, 2020, 19, 136-194.	1.6	125
11	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
12	Tides on Other Earths: Implications for Exoplanet and Palaeo-Tidal Simulations. Geophysical Research Letters, 2020, 47, e2019GL085746.	4.0	14
13	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
14	TRAPPIST-1 Habitable Atmosphere Intercomparison (THAI): motivations and protocol version 1.0. Geoscientific Model Development, 2020, 13, 707-716.	3.6	52
15	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
16	Venus as a Laboratory for Exoplanetary Science. Journal of Geophysical Research E: Planets, 2019, 124, 2015-2028.	3.6	59
17	Consequences of Tidal Dissipation in a Putative Venusian Ocean. Astrophysical Journal Letters, 2019, 876, L22.	8.3	14
18	Modeling a Transient Secondary Paleolunar Atmosphere: 3D Simulations and Analysis. Geophysical Research Letters, 2019, 46, 5107-5116.	4.0	16

#	ARTICLE	IF	CITATIONS
19	Climates of Warm Earth-like Planets. II. Rotational “Goldilocks” Zones for Fractional Habitability and Silicate Weathering. <i>Astrophysical Journal</i> , 2019, 875, 79.	4.5	23
20	Venus Topography and Boundary Conditions in 3D General Circulation Modeling. <i>Lecture Notes in Geoinformation and Cartography</i> , 2019, , 325-335.	1.0	0
21	Albedos, Equilibrium Temperatures, and Surface Temperatures of Habitable Planets. <i>Astrophysical Journal</i> , 2019, 884, 75.	4.5	18
22	Climates of Warm Earth-like Planets. III. Fractional Habitability from a Water Cycle Perspective. <i>Astrophysical Journal</i> , 2019, 887, 197.	4.5	5
23	Habitable Climate Scenarios for Proxima Centauri b with a Dynamic Ocean. <i>Astrobiology</i> , 2019, 19, 99-125.	3.0	80
24	Climate Modeling of a Potential ExoVenus. <i>Astrophysical Journal</i> , 2018, 869, 46.	4.5	26
25	Climates of Warm Earth-like Planets. I. 3D Model Simulations. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 24.	7.7	61
26	Effects of Variable Eccentricity on the Climate of an Earth-like World. <i>Astrophysical Journal Letters</i> , 2017, 835, L1.	8.3	64
27	Structure in the 3D Galaxy Distribution. III. Fourier Transforming the Universe: Phase and Power Spectra. <i>Astrophysical Journal</i> , 2017, 839, 40.	4.5	1
28	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. <i>Astrophysical Journal, Supplement Series</i> , 2017, 231, 12.	7.7	106
29	Effects Of Variable Eccentricity On The Climate Of An Earth-Like World. , 2017, , .		0
30	Local starburst galaxies and their descendants. <i>Astronomy and Astrophysics</i> , 2016, 587, A72.	5.1	33
31	Long-term evolution of planetary systems with a terrestrial planet and a giant planet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 1512-1528.	4.4	33
32	Was Venus the first habitable world of our solar system?. <i>Geophysical Research Letters</i> , 2016, 43, 8376-8383.	4.0	233
33	Plasma observations during the Mars atmospheric “plume” event of March “April 2012. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3139-3154.	2.4	10
34	STRUCTURE IN THE 3D GALAXY DISTRIBUTION. II. VOIDS AND WATERSHEDS OF LOCAL MAXIMA AND MINIMA. <i>Astrophysical Journal</i> , 2015, 799, 95.	4.5	7
35	Historical notes on the expanding universe. <i>Physics Today</i> , 2014, 67, 8-9.	0.3	0
36	Can Self-Organizing Maps Accurately Predict Photometric Redshifts?. <i>Publications of the Astronomical Society of the Pacific</i> , 2012, 124, 274-279.	3.1	29

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37	GALAXY ZOO MORPHOLOGY AND PHOTOMETRIC REDSHIFTS IN THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal Letters</i> , 2011, 734, L9.	8.3	8
38	STRUCTURE IN THE THREE-DIMENSIONAL GALAXY DISTRIBUTION. I. METHODS AND EXAMPLE RESULTS. <i>Astrophysical Journal</i> , 2011, 727, 48.	4.5	22
39	Lemaître's Hubble relationship. <i>Physics Today</i> , 2011, 64, 8-8.	0.3	4
40	Viewpoints: A High-Performance High-Dimensional Exploratory Data Analysis Tool. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 1518-1525.	3.1	5
41	NEW APPROACHES TO PHOTOMETRIC REDSHIFT PREDICTION VIA GAUSSIAN PROCESS REGRESSION IN THE SLOAN DIGITAL SKY SURVEY. <i>Astrophysical Journal</i> , 2009, 706, 623-636.	4.5	38
42	High relative velocity central dumbbells in poor clusters. <i>Astronomische Nachrichten</i> , 2009, 330, 924-927.	1.2	1
43	Novel Methods for Predicting Photometric Redshifts from Broadband Photometry Using Virtual Sensors. <i>Astrophysical Journal</i> , 2006, 647, 102-115.	4.5	51
44	Redshifts in the Southern Abell Redshift Survey Clusters. I. The Data. <i>Astronomical Journal</i> , 2005, 130, 2012-2018.	4.7	14
45	Large scale structure in the SDSS galaxy survey. <i>Astronomy and Astrophysics</i> , 2004, 418, 7-23.	5.1	60
46	Non-Gaussianity of the Derived Maps from the First-Year Wilkinson Microwave Anisotropy Probe Data. <i>Astrophysical Journal</i> , 2003, 590, L65-L68.	4.5	140
47	Velocity Dispersions and Cluster Properties in the Southern Abell Redshift Survey Clusters. II. <i>Astronomical Journal</i> , 2002, 124, 1934-1942.	4.7	15
48	Deconstructing Abell 3266: A Major Merger in a Quiet Cluster. <i>Astrophysical Journal</i> , 2000, 532, 206-213.	4.5	23
49	X-Ray Overluminous Elliptical Galaxies: A New Class of Mass Concentrations in the Universe?. <i>Astrophysical Journal</i> , 1999, 520, L1-L4.	4.5	118
50	Statistics of Active Galactic Nuclei in Rich Clusters Revisited. <i>Astrophysical Journal</i> , 1998, 502, 134-140.	4.5	7
51	Spectroscopy of the NGC 4782/3 Dumbbell Dominated Group of Galaxies: Dark Haloes and Merger of Subgroups. <i>Astronomical Journal</i> , 1996, 111, 603.	4.7	12
52	Dynamics of the Cluster of Galaxies A3266 (Sersic 40/60). I. Spectroscopic Data. <i>Astronomical Journal</i> , 1996, 112, 36.	4.7	38