



Benjamin Davis

Research Associate at New York University Abu Dhabi Center for Astro, Particle, and Planetary Physics

Abu Dhabi, Abu Dhabi , United Arab Emirates

 [impactio.com/researcher/
benjamin-davis](https://impactio.com/researcher/benjamin-davis)

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“

Independent
Total

Citations

723

780

About

I work at the Center for Astro, Particle, and Planetary Physics (CAP3) at New York University Abu Dhabi, where I am a CAP3 Fellow, Research Associate. My research involves studying the structure of spiral galaxies. To do this, I examine the geometry of spiral arms using a suite of custom software I helped design. I also perform multi-component decompositional analysis of the galaxies to separate them into their constituent components (i.e., bulge, disk, bar, spiral arms, nucleus, etc.). With this detailed knowledge of the galaxy composition and geometry, I can then construct accurate black hole mass scaling relations that can be used to predict the mass of the central massive black hole in galaxies. By conducting a census of black hole demography in galaxies, future studies can better understand the intimate relationship between central black holes and their host galaxies and garner information about their coevolution.

Education

 2008 - 2015

University of Arkansas
Doctoral Degree
Space & Planetary Sciences

 2003 - 2008

Pittsburg State University
Bachelor's Degree
Mathematics & Physics (Minor in Music)



Research Interests

- Science
- Education



Professional Skills

- Galaxy Evolution
- Extragalactic Astronomy
- Astronomy
- Astronomy & Astrophysics
- Optical Astronomy
- Theoretical Astrophysics
- Galaxy
- Dark Matter
- Galaxy Formation
- Radio Astronomy



Research Experience

- Aug 2008 - May 2015 **Graduate Assistant**
University of Arkansas



Work Experience

- Sep 2020 **Research Fellow**
New York University Abu Dhabi
- Aug 2016 - Jul 2020 **Postdoctoral Research Fellow**
Swinburne University of Technology
- Aug 2015 - May 2016 **Visiting Assistant Professor of Physics**
Arkansas Tech University
- Aug 2015 - Dec 2015 **Visiting Assistant Professor of Physics**
University of Arkansas



Publication Metrics

All	Journals	Conference	Books	Others
77	20	1	0	56



All Publications

Journals

Measurement of Galactic Logarithmic Spiral Arm Pitch Angle Using Two-dimensional Fast Fourier Transform Decomposition

Benjamin L. Davis, Joel C. Berrier, Douglas W. Shields, Julia Kennefick, Daniel Kennefick, Marc S. Seigar, Marc S. Seigar, Claud H. Sandberg Lacy, Ivânia Puerari

2012 | JOURNAL | Astrophysical Journal Supplement Series

Astrophysics, Physics, Computational physics, Physics

Citation

73/88

Ind. / Total

Further evidence for a supermassive black hole mass-pitch angle relation

Joel C. Berrier, Joel C. Berrier, Joel C. Berrier, Benjamin L. Davis, Daniel Kennefick, Julia Kennefick, Marc S. Seigar, R. S. Barrows, Matthew Hartley, D. W. Shields, Misty C. Bentz, Claud H. Sandberg Lacy

2013 | JOURNAL | The Astrophysical Journal

Astrophysics, Astronomy, Physics

Citation

64/73

Ind. / Total

Black Hole Mass Scaling Relations for Spiral Galaxies. II. M BH–M*, tot and M BH–M*, disk

Benjamin L. Davis, Alister W. Graham, Ewan Cameron

2018 | JOURNAL | The Astrophysical Journal

Astrophysics, Physics

Citation

65/69

Ind. / Total

 **Black Hole Mass Scaling Relations for Early-type Galaxies. I. M_{BH}–M^{*}, sph and M BH–M^{*}, gal**

 2019 | JOURNAL | The Astrophysical Journal

Citation

65/65

Ind. / Total

 **Updating the (supermassive black hole mass)–(spiral arm pitch angle) relation: a strong correlation for galaxies with pseudobulges**

 Benjamin L. Davis, Alister W. Graham, Marc S. Seigar

 2017 | JOURNAL | Monthly Notices of the Royal Astronomical Society

 Astrophysics, Astronomy, Physics

Citation

60/64

Ind. / Total

 **Black Hole Mass Scaling Relations for Spiral Galaxies. I. M_{BH}–M^{*}, sph**

 Benjamin L. Davis, Alister W. Graham, Ewan Cameron

 2019 | JOURNAL | The Astrophysical Journal

 Astrophysics, Physics

Citation

57/62

Ind. / Total

 **The black hole mass function derived from local spiral galaxies**

 Benjamin L. Davis, Joel C. Berrier, Joel C. Berrier, Lucas Johns, Lucas Johns, Douglas W. Shields, Matthew Hartley, Daniel Kennefick, Julia Kennefick, Marc S. Seigar, Marc S. Seigar, Claud H. Sandberg Lacy

 2014 | JOURNAL | The Astrophysical Journal

 Astrophysics, Astronomy, Physics

Citation

51/51

Ind. / Total

 **Strong Evidence for the Density-wave Theory of Spiral Structure in Disk Galaxies**

 Hamed Pour-Imani, Daniel Kennefick, Julia Kennefick, Benjamin L. Davis, Benjamin L. Davis, Douglas W. Shields, Mohamed Shameer Abdeen

 2016 | JOURNAL | The Astrophysical Journal

 Astrophysics, Astronomy, Physics

Citation

45/45

Ind. / Total

 **Revealing Hidden Substructures in the M BH– σ Diagram, and Refining the Bend in the L– σ Relation**

 Nandini Sahu, Alister W. Graham, Benjamin L. Davis
 2019 | JOURNAL | The Astrophysical Journal
 Astrophysics, Physics

Citation

39/40

Ind. / Total

 **Expected intermediate mass black holes in the Virgo cluster. II. Late-type galaxies**

 Alister W. Graham, Roberto Soria, Roberto Soria, Roberto Soria, Benjamin L. Davis
 2018 | JOURNAL | Monthly Notices of the Royal Astronomical Society
 Astrophysics, Physics

Citation

26/30

Ind. / Total

 **THE LOCAL BLACK HOLE MASS FUNCTION DERIVED FROM THE M BH–P AND THE M BH–n RELATIONS**

 Burcin Mutlu Pakdil, Marc S. Seigar, Benjamin L. Davis
 2016 | JOURNAL | The Astrophysical Journal
 Astrophysics, Astronomy, Physics

Citation

29/29

Ind. / Total

 **A Fundamental Plane of Spiral Structure in Disk Galaxies**

 Benjamin L. Davis, Daniel Kennefick, Julia Kennefick, Kyle B. Westfall, Kyle B. Westfall, Douglas W. Shields, Russell Flatman, Matthew Hartley, Matthew Hartley, Joel C. Berrier, Thomas Martinsson, Rob Swaters
 2015 | JOURNAL | The Astrophysical Journal
 Astrophysics, Astronomy, Physics

Citation

22/27

Ind. / Total

 **Searching for intermediate-mass black holes in galaxies with low-luminosity AGN: a multiple-method approach**

 F. Koliopanos, F. Koliopanos, Alister W. Graham, Natalie A. Webb, Natalie A. Webb, Burçin Mutlu-Pakdil, Benjamin L. Davis, O. Godet, O. Godet, Didier Barret, Didier Barret, Marc S. Seigar
 2017 | JOURNAL | Astronomy and Astrophysics

Citation

20/20

Ind. / Total

 **A Consistent Set of Empirical Scaling Relations for Spiral Galaxies: The (v_{max} , $M \circ M$)–(σ_0 , M_{BH} , ϕ) Relations**

 Benjamin L. Davis, Alister W. Graham, Francoise Combes

 2019 | JOURNAL | The Astrophysical Journal

 Astrophysics, Physics

Citation

18/19

Ind. / Total

 **Constraining dark matter halo profiles and galaxy formation models using spiral arm morphology. II. Dark and stellar mass concentrations for 13 nearby face-on galaxies**

 Marc S. Seigar, Marc S. Seigar, Benjamin L. Davis, Joel C. Berrier, Joel C. Berrier, Daniel Kennefick

 2014 | JOURNAL | The Astrophysical Journal

 Astrophysics, Astronomy, Physics

Citation

16/18

Ind. / Total

 **Investigating the Origins of Spiral Structure in Disk Galaxies through a Multiwavelength Study**

 Ryan Miller, Daniel Kennefick, Julia Kennefick, Mohamed Shameer Abdeen, Erik B. Monson, Rafael T. Eufrasio, Douglas W. Shields, Benjamin L. Davis

 2019 | JOURNAL | The Astrophysical Journal

 Astrophysics, Physics

Citation

13/13

Ind. / Total

 **SPIRALITY: A NOVEL WAY TO MEASURE SPIRAL ARM PITCH ANGLE**

 Douglas W. Shields, Benjamin Boe, Casey Pfountz, Benjamin L. Davis, Matthew Hartley, Hamed Pour Imani, Zac Slade, Daniel Kennefick, Julia Kennefick

 2015 | JOURNAL | arXiv: Astrophysics of Galaxies

 Astrophysics, Physics

Citation

3/6

Ind. / Total

Spirality: A Novel Way to Measure Spiral Arm Pitch Angle

-  Douglas W. Shields, Benjamin Boe, Casey Pfountz, Benjamin L. Davis, Matthew Hartley, Hamed Pour Imani, Zac Slade, Daniel Kennefick, Julia Kennefick
-  2015 | JOURNAL | arXiv: Astrophysics of Galaxies
-  Astrophysics, Physics

Citation

3/6

Ind. / Total

Determining the co-rotation radii of spiral galaxies using spiral arm pitch angle measurements at multiple wavelengths

-  Shameer Abdeen, Daniel Kennefick, Julia Kennefick, Douglas W. Shields, Erik B. Monson, Benjamin L. Davis
-  2020 | JOURNAL | arXiv: Astrophysics of Galaxies
-  Astrophysics, Physics

Citation

4/4

Ind. / Total

Strong Evidence for the Density-Wave Theory of Spiral Structure in Disk Galaxies: Pitch Angle Measurements in Different Wavelengths of Light.

-  2017 | JOURNAL | Bulletin of the American Physical Society

Citation

0/0

Ind. / Total

Conference

Minor Planet Observations [H48 PSU Greenbush Observatory, Pittsburg]

-  B. Gary, K. Levin
-  2012 | CONFERENCE | Mathematics of Program Construction
-  Astronomy, Geology, Astrobiology, Geology, Astrobiology, Geology, Astrobiology, Geography, Astrobiology, Geology, Astrobiology, Geology, Astrobiology, Geology, Astrobiology, Geology, Astronomy, Geology, Astrobiology, Geology, Astrobiology, Geography

Citation

0/0

Ind. / Total

Others

 **Defining the (Black Hole)–Spheroid Connection with the Discovery of Morphology-dependent Substructure in the M BH–n sph and M BH–R e, sph Diagrams: New Tests for Advanced ...**

 2020 | OTHER

Citation

12/12

Ind. / Total

 **Spirality: Spiral arm pitch angle measurement**

 Douglas W. Shields, Benjamin Boe, Casey Pfoutz, Benjamin L. Davis, Matthew Hartley, Hamed Pour Imani, Zac Slade, Daniel Kennefick, Julia Kennefick

 2015 | OTHER

 Acoustics, Physics

Citation

7/7

Ind. / Total

 **2DFFT: Measuring Galactic Spiral Arm Pitch Angle**

 Benjamin L. Davis, Joel C. Berrier, Douglas W. Shields, Julia Kennefick, Daniel Kennefick, Marc S. Seigar, Claud H. Sandberg Lacy, Ivâniao Puerari

 2016 | OTHER

 Optics, Physics

Citation

6/6

Ind. / Total

 **Reflectance Spectra of Low-Temperature Chloride and Perchlorate Hydrates and their Relevance to the Martian Surface**

 J. Hanley, Vincent Chevrier, Benjamin L. Davis, Travis S. Altheide, A. Francis

 2009 | OTHER

 Inorganic chemistry, Chemistry

Citation

5/5

Ind. / Total

 **Reflectance Spectra of Low-Temperature Chloride and Perchlorate Hydrates and Their Relevance to the Martian Surface**

 J. Hanley, Vincent Chevrier, Benjamin L. Davis, Travis S. Altheide, A. Francis

 2009 | OTHER

 Inorganic chemistry, Chemistry

Citation

5/5

Ind. / Total

 Refining the mass estimate for the intermediate-mass black hole candidate in NGC 3319

 2021 | OTHER

Citation

4/4

Ind. / Total

 Potential Black Hole Seeding of the Spiral Galaxy NGC 4424 via an Infalling Star Cluster

 2021 | OTHER

Citation

3/3

Ind. / Total

 Astrophysics with the Laser Interferometer Space Antenna

 2022 | OTHER

Citation

2/2

Ind. / Total

 Central X-Ray Point Sources Found to Be Abundant in Low-mass, Late-type Galaxies Predicted to Contain an Intermediate-mass Black Hole

 2021 | OTHER

Citation

2/2

Ind. / Total

 A Study of the Relation between the Spiral Arm Pitch Angle and the Kinetic Energy of Random Motions of the Host Spiral Galaxies

 2014 | OTHER

Citation

2/2

Ind. / Total

 **Testing the Correlation between Spiral Arm Pitch Angle and Central Black Hole Mass**

 Douglas W. Shields, J. Adam Hughes, Scott R. Barrows, Ben Davis, Ben Davis, Daniel Kennefick, Julia Kennefick, William Ring, Marc S. Seigar

 2010 | OTHER

 Astrophysics, Astronomy, Physics

Citation

1/2

Ind. / Total

 **Evidence in favour of density wave theory through age gradients observed in star formation history maps and spatially-resolved stellar clusters**

 2022 | OTHER

Citation

1/1

Ind. / Total

 **Disc cloaking: Establishing a lower limit to the number density of local compact massive spheroids/bulges and the potential fate of some high-z red nuggets**

 2022 | OTHER

Citation

0/0

Ind. / Total

 **The (Black Hole Mass)–(Spheroid Stellar Density) Relations: $M_{BH}-\mu$ (and $M_{BH}-\Sigma$) and $M_{BH}-\rho$**

 2022 | OTHER

Citation

0/0

Ind. / Total

 **The Morphology-dependent Black Hole–Host Galaxy Correlations: A Consequence of Physical Formation Processes**

 2022 | OTHER

Citation

0/0

Ind. / Total

 **Finding Resonance Locations and Co-rotation Radii Using Spiral Arm Amplitude Modulations**

 2020 | OTHER

Citation

0/0

Ind. / Total

 **Substructure in black hole scaling diagrams and implications for the coevolution of black holes and galaxies**

 2020 | OTHER

Citation

0/0

Ind. / Total

 **Multi-wavelength Study of Spiral Structure and Star-Formation Region in Disk Galaxies**

 2019 | OTHER

Citation

0/0

Ind. / Total

 **Black Hole Mass Scaling Relations**

 2019 | OTHER

Citation

0/0

Ind. / Total

 **Observational Confirmations of Spiral Density Wave Theory**

 Julia Kennefick, Daniel Kennefick, Mohamed Shameer Abdeen, Joel C. Berrier, Benjamin L. Davis, Michael Fusco, Hamed Pour Imani, D. W. Shields, Sings Dms

 2017 | OTHER

 Quantum electrodynamics, Physics

Citation

0/0

Ind. / Total

 **Strong Evidence for the Density-Wave Theory of Spiral Structure Based on Variations in Pitch Angle When Viewed Across Optical and non-Optical Wavelengths**

 Hamed Pour-Imani, Daniel Kennefick, Julia Kennefick, Benjamin L. Davis, Douglas W. Shields, Mohamed Shameer Abdeen

 2017 | OTHER

 Optics, Physics

Citation

0/0

Ind. / Total

 **Testing SMBH scaling relations using cosmological simulations and optical/near-IR imaging data**

 Burcin Mutlu Pakdil, Marc S. Seigar, Benjamin L. Davis, P. Treuthardt, Joel C. Berrier

 2017 | OTHER

 Computational physics, Physics

Citation

0/0

Ind. / Total

 **The Local Black Hole Mass Function Derived from the MBH-Pitch Angle and the MBH-Sersic Index Relations**

 2016 | OTHER

Citation

0/0

Ind. / Total

 **Spiral Arm Pitch Angle Measurements of Galaxies in Different Wavelengths of Light to Investigate a Prediction of Density Wave Theory**

 Hamed Pour Imani, Benjamin L. Davis, Douglas W. Shields, Julia Kennefick, Daniel Kennefick

 2015 | OTHER

 Optics, Physics

Citation

0/0

Ind. / Total

 **Determining the local SMBH mass function using spiral arm pitch angles and Sersic indices**

 Marc S. Seigar, Burcin Mutlu, Benjamin L. Davis, Joel C. Berrier

 2015 | OTHER

 Astrophysics, Physics

Citation

0/0

Ind. / Total

 **Logarithmic Spiral Arm Pitch Angle of Spiral Galaxies: Measurement and Relationship to Galactic Structure and Nuclear Supermassive Black Hole Mass**

 Benjamin L. Davis

 2015 | OTHER

 Astrophysics, Astronomy, Physics

Citation

0/0

Ind. / Total

 **Exploration of a SMBH Mass-Pitch Angle Relation at Intermediate Redshifts**

 Logan H. Jones, A. Schilling, Benjamin L. Davis, R. S. Barrows, Julia Kennefick

 2015 | OTHER

 Astrophysics, Physics

Citation

0/0

Ind. / Total

 **The Spiral Structure of AGN Host Galaxies**

 Julia Kennefick, J. A. Hughes, A. Schilling, Benjamin L. Davis, D. W. Shields, A. Madey, Daniel Kennefick, Claud H. Sandberg Lacy

 2014 | OTHER

 Astrophysics, Physics

Citation

0/0

Ind. / Total

 **The Arkansas Galaxy Evolution Survey: SMBH Mass and Spiral Arm Morphology**

 Joel C. Berrier, Benjamin L. Davis, Daniel Kennefick, Julia Kennefick, D. W. Shields, Misty C. Bentz, Claud H. Sandberg Lacy

 2014 | OTHER

 Astrophysics, Physics

Citation

0/0

Ind. / Total

 **Evolution of Spiral Arm Pitch Angle**

 2014 | OTHER

Citation

0/0

Ind. / Total

 **Mass Distribution & Morphology of Simulated Spiral Galaxies**

 2014 | OTHER

Citation

0/0

Ind. / Total

 **Constraining dark matter halo profiles using spiral arm morphologies: Dark and stellar mass concentrations for 13 nearby face-on galaxies**

 2014 | OTHER

Citation

0/0

Ind. / Total

 **A Study of Supermassive Black Holes and the Properties of Their Host Galaxies**

 Marc S. Seigar, P. Treuthardt, Amber D. Sierra, B. N. Davis, Daniel Kennefick, Julia Kennefick, Claud H. Sandberg Lacy, Ismaeel, Marc, Patrick, Amber, Ben, Daniel, Julia, Claud

 2014 | OTHER

 Astrophysics, Physics

Citation

0/0

Ind. / Total

 **The Supermassive Black Hole Mass-Pitch Angle Relation in Spiral Galaxies**

 2013 | OTHER

Citation

0/0

Ind. / Total

 **The Effects of Dark Matter Halo Concentration on the Morphology of Simulated Galaxies**

 Jazmin Berlanga Medina, Joel C. Berrier, Daniel Kennefick, Benjamin L. Davis, Marc S. Seigar, Julia Kennefick, Claud H. Sandberg Lacy, Ages

 2013 | OTHER

 Astrophysics, Physics

Citation

0/0

Ind. / Total

 **Evolution of Spiral Arm Pitch Angle and the Masses of Supermassive Black Holes**

 2013 | OTHER

Citation

0/0

Ind. / Total

 **Logarithmic Spiral Arm Pitch Angle of Late-Type Galaxies: Measurement and Relationship to Galactic Nuclear Supermassive Black Hole Mass**

 Benjamin L. Davis

 2013 | OTHER

 Astrophysics, Physics

Citation

0/0

Ind. / Total

 **Calculating a Galaxies Central Black Hole Mass Using the Sersic Index**

 2013 | OTHER

Citation

0/0

Ind. / Total

 **The Supermassive Black Hole Mass Function in Spiral Galaxies**

 2013 | OTHER

Citation

0/0

Ind. / Total

 **The Local Black Hole-Mass Function Derived from Spiral Galaxies**

 Benjamin L. Davis, Joel C. Berrier, Lucas Johns, D. W. Shields, Daniel Kennefick, Julia Kennefick, Marc S. Seigar, Claud H. Sandberg Lacy

 2012 | OTHER

 Astrophysics, Physics

Citation

0/0

Ind. / Total

Pitch Angles Of Artificially Redshifted Galaxies

-  Douglas W. Shields, Benjamin L. Davis, Lucas Johns, Joel C. Berrier, Daniel Kennefick, Julia Kennefick, Marc S. Seigar
-  2012 | OTHER
-  Astrophysics, Physics

Citation

0/0

Ind. / Total

A Comparison of Four Methods for Measuring Supermassive Black Hole Masses

-  Ismaeel A. Al-Baidhany, Marc S. Seigar, P. Treuthardt, Daniel Kennefick, Julia Kennefick, Claud H. Sandberg Lacy, Benjamin L. Davis
-  2012 | OTHER
-  Astrophysics, Physics

Citation

0/0

Ind. / Total

Supermassive Black Hole Mass and Spiral Galaxy Pitch Angle at Intermediate to High Redshift

-  J. A. Hughes, Joel C. Berrier, Benjamin L. Davis, Daniel Kennefick, Julia Kennefick, Claud H. Sandberg Lacy, Marc S. Seigar, D. W. Shields, K. A. Zoldak
-  2012 | OTHER
-  Astrophysics, Physics

Citation

0/0

Ind. / Total

Determining the Local Black Hole Mass Function from the Pitch Angles of Nearby Spiral Galaxies

-  2012 | OTHER

Citation

0/0

Ind. / Total

A Comparison of Methods for Measuring Supermassive Black Hole Methods

-  Ismaeel A. Al-Baidhany, Marc S. Seigar, P. Treuthardt, Daniel Kennefick, Julia Kennefick, Claud H. Sandberg Lacy, Benjamin L. Davis
-  2012 | OTHER
-  Astrophysics, Physics

Citation

0/0

Ind. / Total

 **A Comparison of Two Independent Techniques for Measuring Supermassive Black Hole Masses**

 Ismaeel A. Al-Baidhany, Marc S. Seigar, P. Treuthardt, Benjamin L. Davis, Daniel Kennefick, Julia Kennefick, Claud H. Sandberg Lacy, Misty C. Bentz

 2011 | OTHER

 Astrophysics, Astronomy, Physics

Citation

0/0

Ind. / Total

 **Quasar Black Hole Mass**

 2010 | OTHER

Citation

0/0

Ind. / Total

 **Investigating the Clustering and Color of Galaxies in the COMBO-17 Chandra Deep Field South Survey and Possible Effects on Spiral Arm Pitch Angle**

 Benjamin L. Davis, J. E. Berlanga Medina, D. W. Shields, Julia Kennefick, Daniel Kennefick, Joel C. Berrier, Marc S. Seigar, Claud H. Sandberg Lacy, Ages

 2010 | OTHER

 Astrophysics, Astronomy, Physics

Citation

0/0

Ind. / Total

 **The Arkansas Galaxy Evolution Survey: Supermassive Black Holes in the Universe**

 Marc S. Seigar, Daniel Kennefick, Julia Kennefick, Claud H. Sandberg Lacy, Joel C. Berrier, P. Treuthardt, Ismaeel A. Al-Baidhany, Benjamin L. Davis, J. A. Hughes, A. Schilling, D. W. Shields, Amber D. Sierra

 2009 | OTHER

 Astronomy, Astrophysics, Physics

Citation

0/0

Ind. / Total

 An Upper-Division Astronomy Laboratory Course for Undergraduate Physics Majors

 2006 | OTHER

Citation

0/0

Ind. / Total

 Potential black hole seeding of the bulgeless spiral galaxy NGC 4424 via an infalling star cluster

 OTHER

Citation

0/0

Ind. / Total

 Black Hole Mass Scaling Relations for Spiral Galaxies. II. MBH–M and MBH–M

 OTHER

Citation

0/0

Ind. / Total

 Multiple (consistent) mass estimates suggest a central intermediate-mass black hole in NGC 3319

 OTHER

Citation

0/0

Ind. / Total

 Pitch Angle Distribution Function of Local Spiral Galaxies and Its Role in Galactic Structure

 OTHER

Citation

0/0

Ind. / Total

In Pursuit of the Elusive Intermediate-mass Black Holes

 OTHER

Citation

0/0

Ind. / Total

Arkansas Natural Heritage Commission; Ouachita National Forest

 OTHER

Citation

0/0

Ind. / Total

Metrics and ranks of journals where I published articles

Thomson Reuters

Journal	Impact Factor	Ranks	Papers	Category
Astrophysical Journal Supplement Series	8.561	2/49		Space science
Monthly Notices of the Royal Astronomical Society	5.194	7/49		Space science

Scimago

Journal	SJR	Ranks	Papers	Category
Astrophysical Journal Supplement Series	3335	3/111		Astronomy and astrophysics
Astronomy and Astrophysics	2174	9/111		Astronomy and astrophysics
Monthly Notices of the Royal Astronomical Society	1937	14/111		Astronomy and astrophysics

Eigenfactor

Journal	Eigenfactor	Ranks	Papers	Category
Monthly Notices of the Royal Astronomical Society	0.303	2/43		Astronomy and astrophysics

Journal	Eigenfactor	Ranks	Papers	Category
Astrophysical Journal Supplement Series	0.071	4/43		Astronomy and astrophysics

Google Scholar

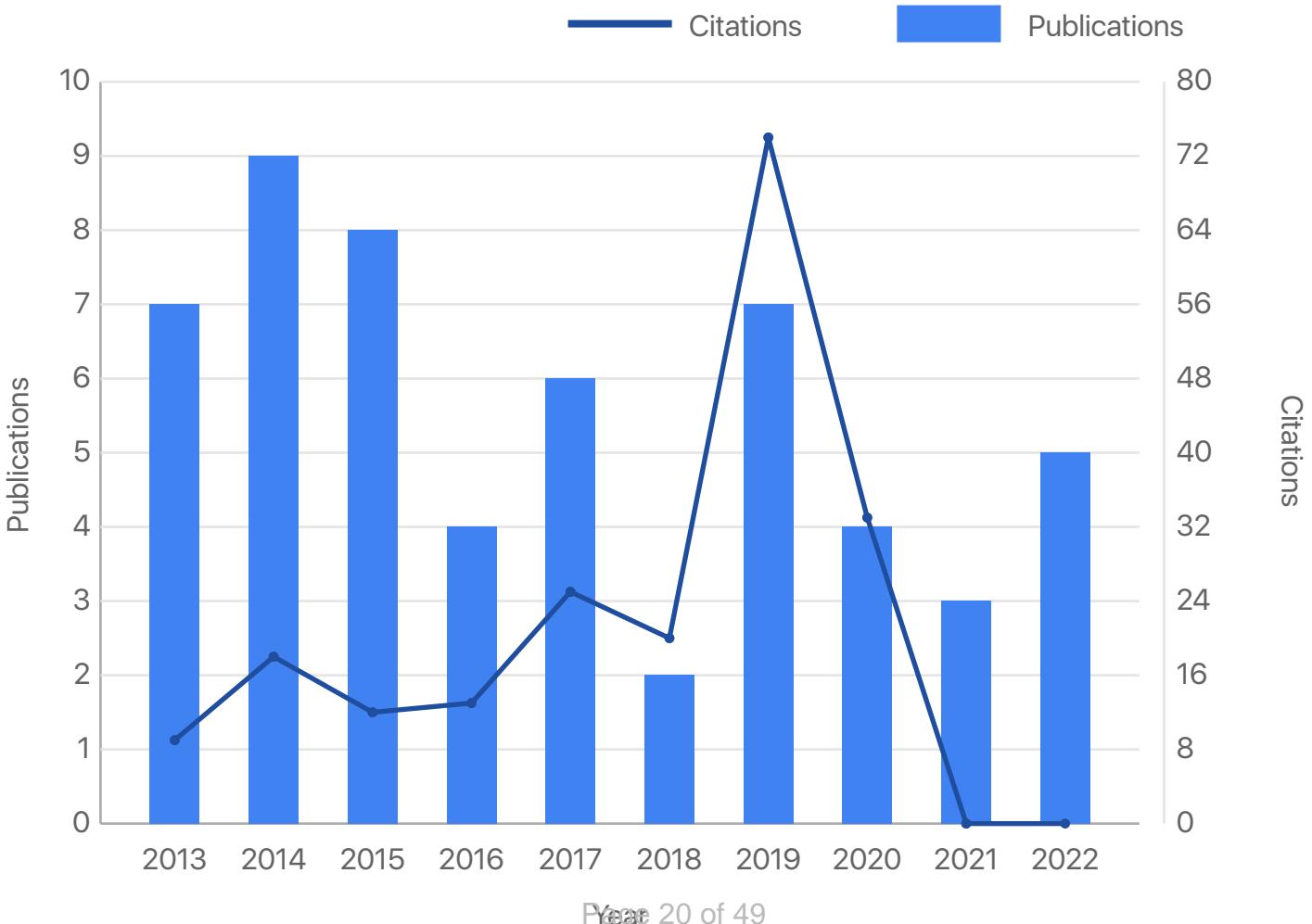
Journal	h5	Ranks	Papers	Category
The Astrophysical Journal	167	1/20		Astronomy and astrophysics
Monthly Notices of the Royal Astronomical Society	146			

Citation Metrics

Independent	Total	Avg. Citations	G-Index
723	780	10 Per publication	18 In past 5 years

Citations by Year

This graph shows at most last 10 years.

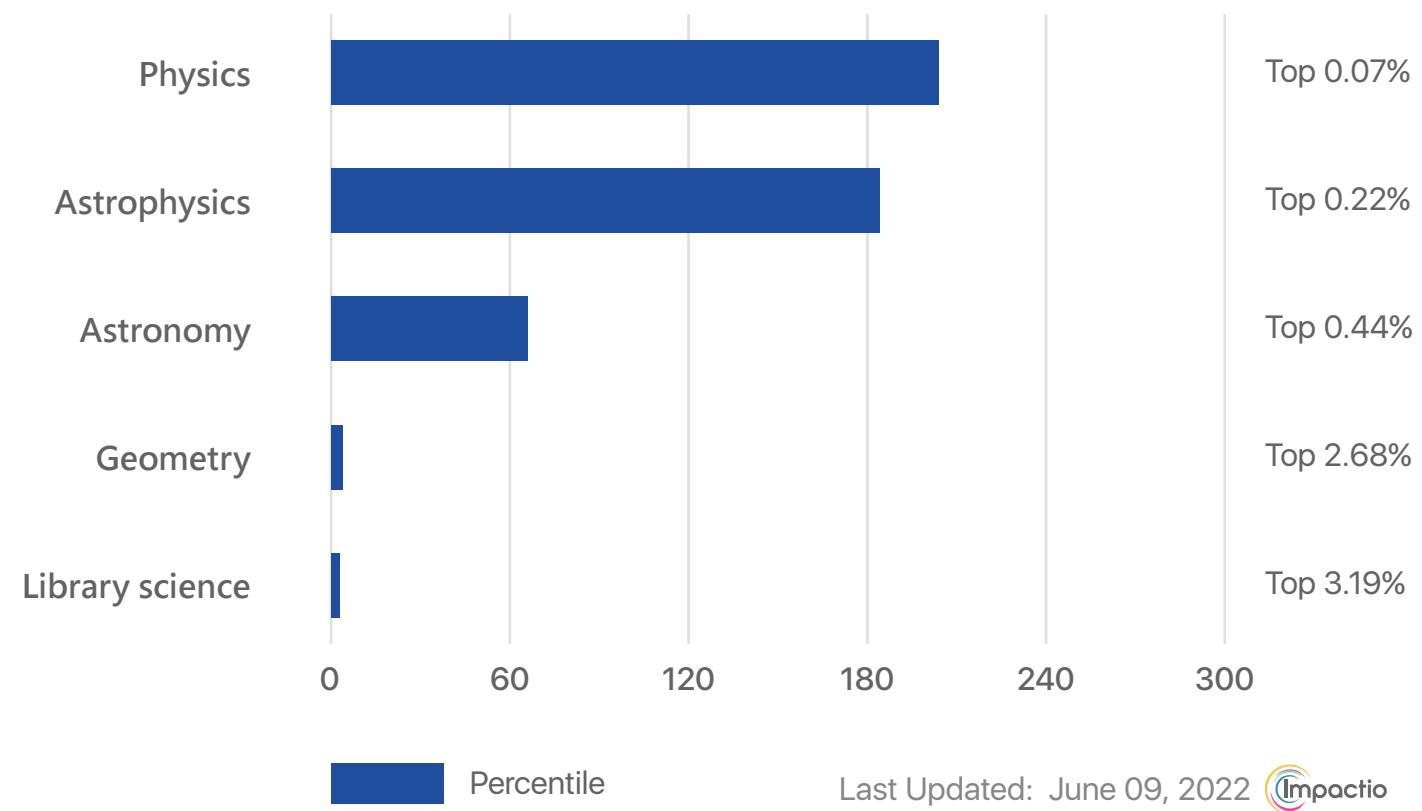




Highly Cited Academic Fields

Top 5 Highly Cited Academic Fields

over the past 5 years



Research Field	Citations	Percentile
Physics	204	Top 0.07%
Astrophysics	184	Top 0.22%
Astronomy	66	Top 0.44%
Geometry	4	Top 2.68%
Library science	3	Top 3.19%

Citing Country Map

North America
45.56%
221 / 485

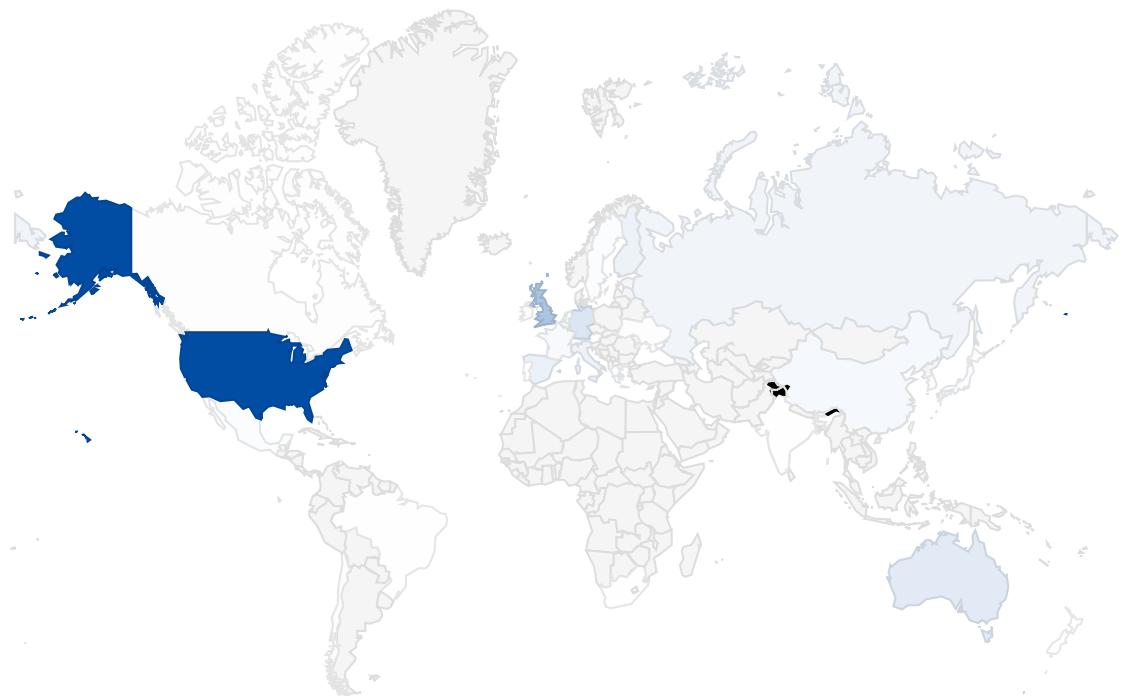
South America
1.03%
5 / 485

Africa
0.41%
2 / 485

Europe
40.82%
198 / 485

Asia
6.8%
33 / 485

Oceania
5.36%
26 / 485



1 485

Last Updated: June 09, 2022 

Country	Citations	Country	Citations
United States	214	Mexico	4
Russia	13	Spain	18
Germany	31	Brazil	2
South Africa	2	Finland	17
Japan	4	Italy	16
Australia	25	France	8
China	9	Taiwan	6
United Kingdom	70	Greece	4
South Korea	5	Switzerland	2
Israel	6	Canada	3

Country	Citations	Country	Citations
Iraq	1	Portugal	1
Ukraine	3	Netherlands	7
Sweden	4	Austria	2
India	2	Chile	3
New Zealand	1	Ireland	2



Global Citation Distribution Map



- 📍 Times of Cited < 5%
- 📍 Times of Cited > 5%
- 📍 Manually added

Last Updated: June 09, 2022 

Citing Institution Ranking

- 🏢 University of Arkansas
 - 📍 United States
 - ⭐⭐⭐ The Top 671 in the world according to US NEWS
 - ⭐⭐⭐ The Top 601 in the world according to WORLD UNIVERSITIES

- 🏢 University of California, Irvine
 - 📍 United States
 - ⭐⭐⭐ The Top 219 in the world according to TOP UNIVERSITIES
 - ⭐⭐⭐ The Top 78 in the world according to US NEWS
 - ⭐⭐⭐ The Top 96 in the world according to WORLD UNIVERSITIES

- 🏢 Max Planck Society
 - 📍 Germany

Citation
47

Citation
26

Citation
23

 Harvard University

 United States

 The Top 3 in the world according to TOP UNIVERSITIES

 The Top 1 in the world according to US NEWS

 The Top 7 in the world according to WORLD UNIVERSITIES

Citation

16

 University of Alabama

 United States

 The Top 701 in the world according to TOP UNIVERSITIES

 The Top 419 in the world according to US NEWS

 The Top 401 in the world according to WORLD UNIVERSITIES

Citation

14

 University of La Laguna

 Spain

 The Top 638 in the world according to US NEWS

 The Top 601 in the world according to WORLD UNIVERSITIES

Citation

12

 University of Oulu

 Finland

 The Top 374 in the world according to TOP UNIVERSITIES

 The Top 419 in the world according to US NEWS

 The Top 251 in the world according to WORLD UNIVERSITIES

Citation

12

 INAF

 Italy

Citation

12

 University of Oxford

 United Kingdom

 The Top 4 in the world according to TOP UNIVERSITIES

 The Top 5 in the world according to US NEWS

 The Top 1 in the world according to WORLD UNIVERSITIES

Citation

11

 University of Hertfordshire

 United Kingdom

 The Top 751 in the world according to TOP UNIVERSITIES

 The Top 972 in the world according to US NEWS

 The Top 601 in the world according to WORLD UNIVERSITIES

Citation

11

-  University of Nottingham
-  United Kingdom
-  The Top 96 in the world according to TOP UNIVERSITIES
-  The Top 152 in the world according to US NEWS
-  The Top 152 in the world according to WORLD UNIVERSITIES

Citation
9

-  Yale University
-  United States
-  The Top 17 in the world according to TOP UNIVERSITIES
-  The Top 12 in the world according to US NEWS
-  The Top 8 in the world according to WORLD UNIVERSITIES

Citation
9

-  Australian National University
-  Australia
-  The Top 29 in the world according to TOP UNIVERSITIES
-  The Top 69 in the world according to US NEWS
-  The Top 50 in the world according to WORLD UNIVERSITIES

Citation
8

-  Adler Planetarium
-  United States

Citation
8

-  University of Portsmouth
-  United Kingdom
-  The Top 601 in the world according to TOP UNIVERSITIES
-  The Top 557 in the world according to US NEWS
-  The Top 401 in the world according to WORLD UNIVERSITIES

Citation
8

-  Russian Academy of Sciences
-  Russia

Citation
7

-  University of Hawaii
-  United States

Citation
7

 Saint Petersburg State University

 Russia

 The Top 234 in the world according to TOP UNIVERSITIES

 The Top 539 in the world according to US NEWS

 The Top 601 in the world according to WORLD UNIVERSITIES

 Carnegie Learning

Citation

6

 Swinburne University of Technology

 Australia

 The Top 383 in the world according to TOP UNIVERSITIES

 The Top 358 in the world according to US NEWS

 The Top 351 in the world according to WORLD UNIVERSITIES

Citation

6

 Hebrew University of Jerusalem

 Israel

 The Top 162 in the world according to TOP UNIVERSITIES

 The Top 222 in the world according to US NEWS

 The Top 201 in the world according to WORLD UNIVERSITIES

Citation

6

 Space Telescope Science Institute

 United States

Citation

6

 University of Southampton

 United Kingdom

 The Top 97 in the world according to TOP UNIVERSITIES

 The Top 94 in the world according to US NEWS

 The Top 122 in the world according to WORLD UNIVERSITIES

Citation

6

 North Carolina Museum of Natural Sciences

 United States

Citation

5

 Academia Sinica Institute of Astronomy and Astrophysics
 Taiwan

Citation

5

 California Institute of Technology
 United States
★★★ The Top 5 in the world according to TOP UNIVERSITIES
★★★ The Top 6 in the world according to US NEWS
★★★ The Top 2 in the world according to WORLD UNIVERSITIES

Citation

5

 Subaru
★★★ The Top 479 in the world according to FORBES

Citation

5

 Johns Hopkins University
 United States
★★★ The Top 24 in the world according to TOP UNIVERSITIES
★★★ The Top 11 in the world according to US NEWS
★★★ The Top 12 in the world according to WORLD UNIVERSITIES

Citation

5

 Middlebury College
 United States

Citation

5

 National Autonomous University of Mexico
 Mexico
★★★ The Top 382 in the world according to US NEWS
★★★ The Top 601 in the world according to WORLD UNIVERSITIES

Citation

4

 Georgia Institute of Technology
 United States
★★★ The Top 72 in the world according to TOP UNIVERSITIES
★★★ The Top 62 in the world according to US NEWS
★★★ The Top 38 in the world according to WORLD UNIVERSITIES

Citation

4

 University of Bonn

 Germany

 The Top 108 in the world according to US NEWS

 The Top 105 in the world according to WORLD UNIVERSITIES

 Paris Diderot University

Citation

4

 Liverpool John Moores University

 United Kingdom

Citation

4

 Academy of Athens

 Greece

Citation

4

 University of Pennsylvania

 United States

 The Top 15 in the world according to TOP UNIVERSITIES

 The Top 16 in the world according to US NEWS

 The Top 11 in the world according to WORLD UNIVERSITIES

Citation

4

 University of Helsinki

 Finland

 The Top 107 in the world according to TOP UNIVERSITIES

 The Top 87 in the world according to US NEWS

 The Top 96 in the world according to WORLD UNIVERSITIES

Citation

4

 University of Michigan

 United States

Citation

4

 Chinese Academy of Sciences

 China

Citation

3

 University of Texas at Austin

 United States

 The Top 65 in the world according to TOP UNIVERSITIES

 The Top 38 in the world according to WORLD UNIVERSITIES

 Seoul National University

 South Korea

 The Top 37 in the world according to TOP UNIVERSITIES

 The Top 128 in the world according to US NEWS

 The Top 64 in the world according to WORLD UNIVERSITIES

 University of Kentucky

 United States

 The Top 601 in the world according to TOP UNIVERSITIES

 The Top 349 in the world according to US NEWS

 The Top 401 in the world according to WORLD UNIVERSITIES

 National Academy of Sciences of Ukraine

 Ukraine

 Chalmers University of Technology

 Sweden

 The Top 125 in the world according to TOP UNIVERSITIES

 The Top 369 in the world according to US NEWS

 The Top 251 in the world according to WORLD UNIVERSITIES

 University College London

 United Kingdom

 The Top 21 in the world according to US NEWS

 Leiden University

 Netherlands

 The Top 118 in the world according to TOP UNIVERSITIES

 The Top 89 in the world according to US NEWS

 The Top 67 in the world according to WORLD UNIVERSITIES

Citation

3

 Cardiff University

 United Kingdom

 The Top 154 in the world according to TOP UNIVERSITIES

 The Top 168 in the world according to US NEWS

 The Top 198 in the world according to WORLD UNIVERSITIES

Citation

3

 University of Washington

 United States

 The Top 68 in the world according to TOP UNIVERSITIES

 The Top 10 in the world according to US NEWS

 The Top 26 in the world according to WORLD UNIVERSITIES

Citation

3

 University of Cambridge

 United Kingdom

 The Top 7 in the world according to TOP UNIVERSITIES

 The Top 9 in the world according to US NEWS

 The Top 3 in the world according to WORLD UNIVERSITIES

Citation

3

 University of São Paulo

 Brazil

Citation

2

 Reed College

 United States

Citation

2

 Centre national de la recherche scientifique

 France

Citation

2

 Nanjing University

 China

 The Top 120 in the world according to TOP UNIVERSITIES

 The Top 168 in the world according to US NEWS

 The Top 144 in the world according to WORLD UNIVERSITIES

Citation

2

 University of Leicester

 United Kingdom

 The Top 239 in the world according to TOP UNIVERSITIES

 The Top 235 in the world according to US NEWS

 The Top 166 in the world according to WORLD UNIVERSITIES

 University of Minnesota

 United States

 The Top 79 in the world according to WORLD UNIVERSITIES

Citation

2

 Scuola Normale Superiore di Pisa

 Italy

Citation

2

 Institute of Cosmology and Gravitation, University of Portsmouth

Citation

2

 Spanish National Research Council

 Spain

Citation

2

 University of Barcelona

 Spain

 The Top 98 in the world according to US NEWS

 The Top 201 in the world according to WORLD UNIVERSITIES

Citation

2

 University of Central Lancashire

 United Kingdom

 The Top 801 in the world according to TOP UNIVERSITIES

 The Top 984 in the world according to US NEWS

 The Top 801 in the world according to WORLD UNIVERSITIES

Citation

2

 Korea Astronomy and Space Science Institute

 South Korea

Citation

2

 Radboud University Nijmegen

 Netherlands

 The Top 104 in the world according to US NEWS

 The Top 128 in the world according to WORLD UNIVERSITIES

Citation

2

 University of Melbourne

 Australia

 The Top 38 in the world according to TOP UNIVERSITIES

 The Top 26 in the world according to US NEWS

 The Top 32 in the world according to WORLD UNIVERSITIES

Citation

2

 University of Vienna

 Austria

 The Top 154 in the world according to TOP UNIVERSITIES

 The Top 200 in the world according to US NEWS

 The Top 134 in the world according to WORLD UNIVERSITIES

Citation

2

 University of California, Berkeley

 United States

 The Top 28 in the world according to TOP UNIVERSITIES

 The Top 4 in the world according to US NEWS

 The Top 13 in the world according to WORLD UNIVERSITIES

Citation

2

 University of California, Santa Cruz

 United States

 The Top 367 in the world according to TOP UNIVERSITIES

 The Top 76 in the world according to US NEWS

 The Top 179 in the world according to WORLD UNIVERSITIES

Citation

2

 Institut d'Astrophysique de Paris

 France

Citation

2

 Goddard Space Flight Center

 United States

Citation

2

 Carnegie Institution for Science
 United States

Citation
2

 Ames Research Center
 United States

Citation
2

 Complutense University of Madrid
 Spain
⭐⭐ The Top 212 in the world according to TOP UNIVERSITIES
⭐⭐ The Top 355 in the world according to US NEWS
⭐⭐ The Top 501 in the world according to WORLD UNIVERSITIES

Citation
2

 University of Birmingham
 United Kingdom
⭐⭐ The Top 81 in the world according to TOP UNIVERSITIES
⭐⭐ The Top 96 in the world according to US NEWS
⭐⭐ The Top 112 in the world according to WORLD UNIVERSITIES

Citation
2

 University of La Frontera
 Chile
⭐⭐ The Top 801 in the world according to WORLD UNIVERSITIES

Citation
2

 University of Western Australia
 Australia
⭐⭐ The Top 86 in the world according to US NEWS

Citation
2

 University of Cologne
 Germany
⭐⭐ The Top 308 in the world according to TOP UNIVERSITIES
⭐⭐ The Top 245 in the world according to US NEWS
⭐⭐ The Top 157 in the world according to WORLD UNIVERSITIES

Citation
2

 University of Wisconsin-Madison

 United States

 The Top 56 in the world according to TOP UNIVERSITIES

 The Top 37 in the world according to US NEWS

 The Top 51 in the world according to WORLD UNIVERSITIES

 University of Nantes

 France

 The Top 601 in the world according to WORLD UNIVERSITIES

Citation

2

 University of Paris

 The Top 130 in the world according to WORLD UNIVERSITIES

Citation

2

 Planetary Science Institute

 United States

Citation

2

 Cornell University

 United States

 The Top 14 in the world according to TOP UNIVERSITIES

 The Top 23 in the world according to US NEWS

 The Top 19 in the world according to WORLD UNIVERSITIES

Citation

2

 Jet Propulsion Laboratory

 United States

Citation

2

 United States Geological Survey

 United States

Citation

2

 University of Paris-Sud

 France

Citation

2

 University of Western Ontario
 Canada

Citation

2

 IBM
 United States
 The Top 51 in the world according to FORBES

Citation

1

 University of the Witwatersrand
 South Africa
 The Top 194 in the world according to WORLD UNIVERSITIES

Citation

1

 Tokyo Institute of Technology
 Japan
 The Top 58 in the world according to TOP UNIVERSITIES
 The Top 305 in the world according to US NEWS
 The Top 251 in the world according to WORLD UNIVERSITIES

Citation

1

 Academia Sinica
 Taiwan

Citation

1

 Georgia State University
 United States
 The Top 701 in the world according to TOP UNIVERSITIES
 The Top 477 in the world according to US NEWS
 The Top 401 in the world according to WORLD UNIVERSITIES

Citation

1

 Hoffmann-La Roche
 Switzerland

Citation

1

 Steward Health Care System

Citation

1

 University of Alberta

 Canada

 The Top 113 in the world according to TOP UNIVERSITIES

 The Top 139 in the world according to US NEWS

 The Top 136 in the world according to WORLD UNIVERSITIES

 Institute for the Physics and Mathematics of the Universe

Citation

1

 Tohoku University

 Japan

 The Top 82 in the world according to TOP UNIVERSITIES

 The Top 255 in the world according to US NEWS

 The Top 251 in the world according to WORLD UNIVERSITIES

 Heidelberg University

 Germany

 The Top 56 in the world according to US NEWS

 The Top 44 in the world according to WORLD UNIVERSITIES

 Columbia University

 United States

 The Top 18 in the world according to TOP UNIVERSITIES

 The Top 7 in the world according to US NEWS

 The Top 16 in the world according to WORLD UNIVERSITIES

 University of Tokyo

 Japan

 The Top 74 in the world according to US NEWS

 Kyoto University

 Japan

 The Top 33 in the world according to TOP UNIVERSITIES

 The Top 124 in the world according to US NEWS

 The Top 65 in the world according to WORLD UNIVERSITIES

Citation

1

Citation

1

Citation

1

Citation

1

 American Museum of Natural History
 United States

Citation

1

 University of Zurich
 Switzerland
⭐⭐ The Top 76 in the world according to TOP UNIVERSITIES
⭐⭐ The Top 58 in the world according to US NEWS
⭐⭐ The Top 90 in the world according to WORLD UNIVERSITIES

Citation

1

 Durham University
 United Kingdom
⭐⭐ The Top 78 in the world according to TOP UNIVERSITIES
⭐⭐ The Top 210 in the world according to US NEWS
⭐⭐ The Top 133 in the world according to WORLD UNIVERSITIES

Citation

1

 Kapteyn Astronomical Institute

Citation

1

 Stony Brook University
 United States

Citation

1

 University of Babylon
 Iraq

Citation

1

 University of Lisbon
 Portugal
⭐⭐ The Top 338 in the world according to TOP UNIVERSITIES
⭐⭐ The Top 214 in the world according to US NEWS
⭐⭐ The Top 501 in the world according to WORLD UNIVERSITIES

Citation

1

Citation

1

 Pennsylvania State University

 United States

 University of Surrey

 United Kingdom

 The Top 274 in the world according to TOP UNIVERSITIES

 The Top 441 in the world according to US NEWS

 The Top 251 in the world according to WORLD UNIVERSITIES

Citation

1

 Shanghai Normal University

 China

 The Top 1125 in the world according to US NEWS

Citation

1

 University of Calicut

 India

Citation

1

 University of Utah

 United States

 The Top 353 in the world according to TOP UNIVERSITIES

 The Top 139 in the world according to US NEWS

 The Top 201 in the world according to WORLD UNIVERSITIES

Citation

1

 Texas Tech University

 United States

 The Top 801 in the world according to TOP UNIVERSITIES

 The Top 450 in the world according to US NEWS

 The Top 601 in the world according to WORLD UNIVERSITIES

Citation

1

 Institution of Engineers, Sri Lanka

Citation

1

Citation

1

 University of Trieste

 Italy

 The Top 701 in the world according to TOP UNIVERSITIES

 The Top 282 in the world according to US NEWS

 The Top 401 in the world according to WORLD UNIVERSITIES

 Princeton University

 United States

 The Top 13 in the world according to TOP UNIVERSITIES

 The Top 8 in the world according to US NEWS

 The Top 6 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Maryland, College Park

 The Top 136 in the world according to TOP UNIVERSITIES

 The Top 51 in the world according to US NEWS

 The Top 91 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Hong Kong

 China

 The Top 25 in the world according to TOP UNIVERSITIES

 The Top 100 in the world according to US NEWS

 The Top 35 in the world according to WORLD UNIVERSITIES

Citation

1

 Indian Institute of Astrophysics

 India

Citation

1

 Peking University

 China

 The Top 22 in the world according to TOP UNIVERSITIES

 The Top 59 in the world according to US NEWS

 The Top 24 in the world according to WORLD UNIVERSITIES

Citation

1

 International School for Advanced Studies

 Italy

 The Top 164 in the world according to US NEWS

Citation

1

 Commonwealth Scientific and Industrial Research Organisation
 Australia

Citation

1

 Monash University
 Australia
⭐⭐ The Top 58 in the world according to TOP UNIVERSITIES
⭐⭐ The Top 59 in the world according to US NEWS
⭐⭐ The Top 75 in the world according to WORLD UNIVERSITIES

Citation

1

 Tianjin Normal University
 China

Citation

1

 Australian Research Council
 Australia

Citation

1

 University of New South Wales
 Australia
⭐⭐ The Top 43 in the world according to TOP UNIVERSITIES
⭐⭐ The Top 64 in the world according to US NEWS

Citation

1

 University of the Western Cape
 South Africa
⭐⭐ The Top 801 in the world according to TOP UNIVERSITIES
⭐⭐ The Top 722 in the world according to US NEWS
⭐⭐ The Top 601 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Louisville
 United States
⭐⭐ The Top 544 in the world according to US NEWS

Citation

1

 Australian Astronomical Observatory
 Australia

Citation

1

 University of Sydney

 Australia

 The Top 42 in the world according to TOP UNIVERSITIES

 The Top 27 in the world according to US NEWS

 The Top 60 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Sussex

 United Kingdom

 The Top 246 in the world according to TOP UNIVERSITIES

 The Top 164 in the world according to US NEWS

 The Top 146 in the world according to WORLD UNIVERSITIES

Citation

1

 European Southern Observatory

 Germany

Citation

1

 University of Canterbury

 New Zealand

 The Top 227 in the world according to TOP UNIVERSITIES

 The Top 318 in the world according to US NEWS

 The Top 301 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Hull

 United Kingdom

 The Top 601 in the world according to TOP UNIVERSITIES

 The Top 799 in the world according to US NEWS

 The Top 501 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Groningen

 Netherlands

 The Top 114 in the world according to TOP UNIVERSITIES

 The Top 96 in the world according to US NEWS

 The Top 73 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Arizona

 United States

 The Top 262 in the world according to TOP UNIVERSITIES

 The Top 85 in the world according to US NEWS

Citation

1

 The Top 104 in the world according to WORLD UNIVERSITIES

 University of Chicago

 United States

 The Top 10 in the world according to TOP UNIVERSITIES

 The Top 13 in the world according to US NEWS

 The Top 9 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Colorado Boulder

 United States

 The Top 206 in the world according to TOP UNIVERSITIES

 The Top 50 in the world according to US NEWS

 The Top 124 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Turku

 Finland

 The Top 287 in the world according to TOP UNIVERSITIES

 The Top 343 in the world according to US NEWS

 The Top 351 in the world according to WORLD UNIVERSITIES

Citation

1

 University College Dublin

 Ireland

 The Top 185 in the world according to TOP UNIVERSITIES

 The Top 227 in the world according to US NEWS

 The Top 201 in the world according to WORLD UNIVERSITIES

Citation

1

 Sternberg Astronomical Institute

Citation

1

 Stockholm University

 Sweden

 The Top 191 in the world according to TOP UNIVERSITIES

 The Top 114 in the world according to US NEWS

 The Top 175 in the world according to WORLD UNIVERSITIES

Citation

1

 Queen's University Belfast

 United Kingdom

 The Top 173 in the world according to TOP UNIVERSITIES

 The Top 322 in the world according to US NEWS

 The Top 201 in the world according to WORLD UNIVERSITIES

Citation

1

 Trinity College, Dublin

 Ireland

 The Top 108 in the world according to TOP UNIVERSITIES

 The Top 240 in the world according to US NEWS

 The Top 164 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Amsterdam

 Netherlands

 The Top 64 in the world according to TOP UNIVERSITIES

 The Top 40 in the world according to US NEWS

 The Top 62 in the world according to WORLD UNIVERSITIES

Citation

1

 Curtin University

 Australia

Citation

1

 Massachusetts Institute of Technology

 United States

 The Top 1 in the world according to TOP UNIVERSITIES

 The Top 2 in the world according to US NEWS

 The Top 5 in the world according to WORLD UNIVERSITIES

Citation

1

 University of Manchester

 United Kingdom

 The Top 64 in the world according to US NEWS

 The Top 55 in the world according to WORLD UNIVERSITIES

Citation

1

 National Radio Astronomy Observatory

 United States

Citation

1

 University of Virginia

 United States

 The Top 198 in the world according to TOP UNIVERSITIES

 The Top 107 in the world according to US NEWS

Citation

1

 Pontifical Catholic University of Chile

 Chile

 The Top 501 in the world according to WORLD UNIVERSITIES

Citation

1

Metrics and ranks of journals which cited my publications

Thomson Reuters

Journal	Impact Factor	Ranks	Year
Astrophysical Journal Supplement Series	8.561	2/49	2012
Monthly Notices of the Royal Astronomical Society	5.194	7/49	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020
Journal of Cosmology and Astroparticle Physics	5.126	8/49	2017
Publications of the Astronomical Society of Australia	4.63	9/49	2019
Earth and Planetary Science Letters	4.581	13/369	2018
Physical Review D	4.394	14/282	2017, 2019
Icarus	2.981	16/49	2010
International Journal of Modern Physics D	2.171	21/49	2017
Astrophysics and Space Science	1.885	26/49	2019
New Astronomy	0.92	37/49	2014
Astrophysics	0.755	41/49	2019
American Mineralogist	2.645	102/369	2014
Nature Astronomy	Not Available	-	2020
Physics of the Dark Universe	6.509		2020

Journal	SJR	Ranks	Year
Astrophysical Journal Supplement Series	3335	3/111	2012
Nature Astronomy	2505	6/73	2020
Astronomy and Astrophysics	2174	9/111	2015, 2017, 2019, 2020
Earth and Planetary Science Letters	2942	11/534	2018
Monthly Notices of the Royal Astronomical Society: Letters	1964	13/111	2020
Monthly Notices of the Royal Astronomical Society	1937	14/111	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020
Publications of the Astronomical Society of Australia	1933	15/111	2019
Icarus	1837	16/111	2010
American Mineralogist	1573	20/190	2014
Physics of the Dark Universe	1459	22/111	2020
Physical Review D	1664	25/262	2017, 2019
Journal of Cosmology and Astroparticle Physics	813	28/73	2017
Astrophysics	306	54/73	2019
International Journal of Modern Physics D	751	64/168	2017
Astrophysics and Space Science	458	69/111	2019
Journal of Geophysical Research	1734	108/1683	2011
New Astronomy	441	123/225	2014

Eigenfactor

Journal	Eigenfactor	Ranks	Year
Monthly Notices of the Royal Astronomical Society	0.303	2/43	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020
Journal of Cosmology and Astroparticle Physics	0.061	4/60	2017

Journal	Eigenfactor	Ranks	Year
Astrophysical Journal Supplement Series	0.071	4/43	2012
Astrophysics and Space Science	0.013	10/43	2019
Publications of the Astronomical Society of Australia	0.004	18/43	2019
New Astronomy	0.003	21/43	2014
International Journal of Modern Physics D	0.007	25/60	2017
Astrophysics	< 0.001	32/43	2019
Physical Review D	0.266		2017, 2019
Physics of the Dark Universe	0.002		2020
Earth and Planetary Science Letters	0.099		2018
Icarus	0.044		2010
American Mineralogist	0.014		2014
Journal of Geophysical Research	0.305		2011

Google Scholar

Journal	h5	Ranks	Year
The Astrophysical Journal	167	1/20	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019
Journal of Geophysical Research	80	3/20	2011
Journal of Cosmology and Astroparticle Physics	86	4/20	2017
Earth and Planetary Science Letters	67	4/20	2018
The Astronomical Journal	76	6/20	2014
American Mineralogist	39	7/20	2014
Icarus	54	9/20	2010
Nature Astronomy	50	10/20	2020
International Journal of Modern Physics D	39	14/20	2017
Publications of the Astronomical Society of Australia	38	17/20	2019

Journal	h5	Ranks	Year
Astrophysics and Space Science	35	18/20	2019
Monthly Notices of the Royal Astronomical Society	146		2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020
Physical Review D	148		2017, 2019