

2020 Journal Performance Data for: TRANSPORTATION RESEARCH PART C- EMERGING TECHNOLOGIES

| | |
|----------------------|---------------------------------------|
| ISSN | EISSN |
| 0968-090X | 1879-2359 |
| JCR ABBREVIATION | ISO ABBREVIATION |
| TRANSPORT RES C-EMER | Transp. Res. Pt. C-Emerg. Technol. |

Journal Information

| | | |
|---|---|-------------------------|
| EDITION | CATEGORY | |
| Science Citation Index Expanded (SCIE) | TRANSPORTATION SCIENCE & TECHNOLOGY - SCIE | |
| LANGUAGES | REGION | 1ST ELECTRONIC JCR YEAR |
| English | ENGLAND | 1997 |

Publisher Information

| | | |
|----------------------------------|---|-----------------------|
| PUBLISHER | ADDRESS | PUBLICATION FREQUENCY |
| PERGAMON-ELSEVIER SCIENCE LTD | THE BOULEVARD, LANGFORD LANE, KIDLINGTON, OXFORD OX5 1GB, ENGLAND | 12 issues/year |

Journal's Performance

Journal Impact Factor

The Journal Impact Factor (JIF) is a journal-level metric calculated from data indexed in the Web of Science Core Collection. It should be used with careful attention to the many factors that influence citation rates, such as the volume of publication and citations characteristics of the subject area and type of journal. The Journal Impact Factor can complement expert opinion and informed peer review. In the case of academic evaluation for tenure, it is inappropriate to use a journal-level metric as a proxy measure for individual researchers, institutions, or articles.

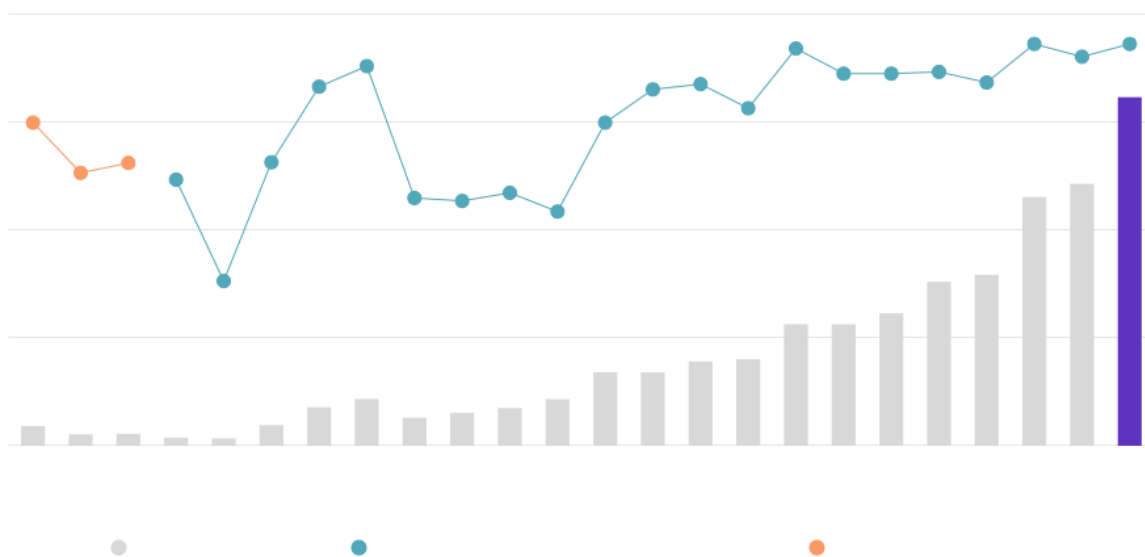
2020 JOURNAL IMPACT FACTOR

8.089

2020 JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

6.664

Journal Impact Factor Trend 2020



Journal Impact Factor is calculated using the following metrics

| | | | | |
|--|---|-------|---|-------|
| Citations in 2020 to items published in 2018 (2,794) - 2019 (1,954) | = | 4,748 | = | 8.089 |
| <hr/> | | <hr/> | | |
| Number of citable items in 2018 (311) + 2019 (276) | | 587 | | |

Journal Impact Factor without self cites is calculated using the following metrics

| | | | | |
|--|---|-------------|---|-------|
| Citations in 2020 to items published in 2018 (2,794) + 2019 (1,954) - Self Citations in 2020 to items published in 2018 (440) + 2019 (396) | = | 4,748 - 836 | = | 6.664 |
| <hr/> | | <hr/> | | |
| Number of citable items in 2018 (311) + 2019 (276) | | 587 | | |

Journal Impact Factor Contributing Items

Citable Items (587)

| TITLE | CITATION COUNT |
|---|----------------|
| A hybrid deep learning based traffic flow prediction method and its understanding Authors: Wu, Yuankai;Tan, Huachun;Qin, Lingqiao;Ran, Bin;Jiang, Zhuxi Volume: 90 Accession number: WOS:000432513300010 Document Type: Article | 84 |
| What have we learned? A review of stated preference and choice studies on autonomous vehicles Authors: Gkartzonikas, Christos;Gkritza, Konstantina Volume: 98 Accession number: WOS:000457666200019 Document Type: Review | 52 |
| The roles of initial trust and perceived risk in public's acceptance of automated vehicles Authors: Zhang, Tingru;Tao, Da;Qu, Xingda;Zhang, Xiaoyan;Lin, Rui;Zhang, Wei Volume: 98 Accession number: WOS:000457666200013 Document Type: Article | 52 |
| DeepPF: A deep learning based architecture for metro passenger flow prediction Authors: Liu, Yang;Liu, Zhiyuan;Jia, Ruo Volume: 101 Accession number: WOS:000466060900002 Document Type: Article | 48 |
| What drives people to accept automated vehicles? Findings from a field experiment Authors: Xu, Zhigang;Zhang, Kaifan;Min, Haigen;Wang, Zhen;Zhao, Xiangmo;Liu, Peng Volume: 95 Accession number: WOS:000447112500017 Document Type: Article | 45 |

Showing 1-5 rows of 587 total (use export in the relevant section to download the full table)

Journal Impact Factor Contributing Items

Citing Sources (556)

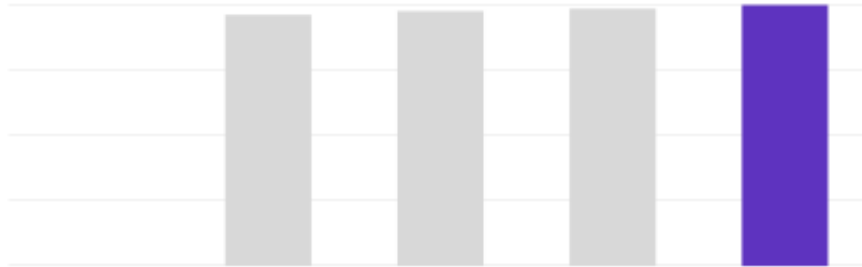
| SOURCE NAME | COUNT |
|--|-------|
| TRANSPORTATION RESEARCH PART C-EMERGING TECHNOLOGIES | 836 |
| IEEE ACCESS | 322 |
| JOURNAL OF ADVANCED TRANSPORTATION | 184 |
| SUSTAINABILITY | 149 |
| TRANSPORTATION RESEARCH RECORD | 131 |
| ACCIDENT ANALYSIS AND PREVENTION | 116 |
| TRANSPORTATION RESEARCH PART A-POLICY AND PRACTICE | 112 |
| TRANSPORTATION RESEARCH PART B-METHODOLOGICAL | 106 |
| TRANSPORTATION RESEARCH PART D-TRANSPORT AND ENVIRONMENT | 98 |
| IET INTELLIGENT TRANSPORT SYSTEMS | 93 |
| TRANSPORTATION RESEARCH PART E-LOGISTICS AND TRANSPORTATION REVIEW | 80 |
| SENSORS | 77 |
| IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS | 72 |
| TRANSPORTMETRICA A-TRANSPORT SCIENCE | 65 |
| JOURNAL OF TRANSPORTATION ENGINEERING PART A-SYSTEMS | 64 |
| JOURNAL OF CLEANER PRODUCTION | 57 |
| TRANSPORTATION RESEARCH PART F-TRAFFIC PSYCHOLOGY AND BEHAVIOUR | 53 |
| TRANSPORTATION | 47 |
| MATHEMATICAL PROBLEMS IN ENGINEERING | 42 |
| TRANSPORT POLICY | 39 |

Showing 1-20 rows of 556 total (use export in the relevant section to download the full table)

Journal Citation Indicator (JCI)

2.11

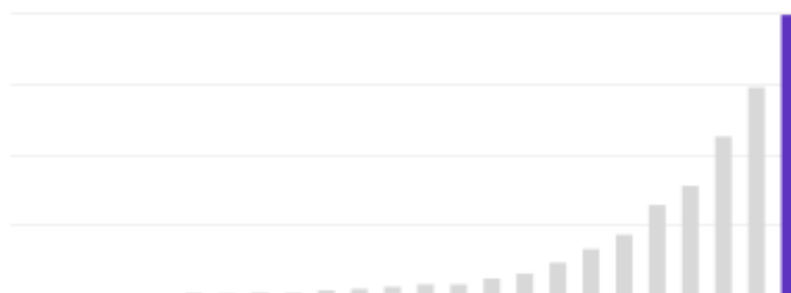
The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in that category. It may be used alongside other metrics to help you evaluate journals.



Total Citations

18,719

The total number of times that a journal has been cited by all journals included in the database in the JCR year. Citations to journals listed in JCR are compiled annually from the JCR years combined database, regardless of which JCR edition lists the journal.



Citation Distribution

The Citation Distribution shows the frequency with which items published in the year or two years prior were cited in the JCR data year (i.e., the component of the calculation of the JIF). The graph has similar functionality as the JIF Trend graph, including hover-over data descriptions for each data point, and an interactive legend where each data element's legend can be used as a toggle. You can view Articles, Reviews, or Non-Citable (other) items to the JIF numerator.

ARTICLE CITATION MEDIAN

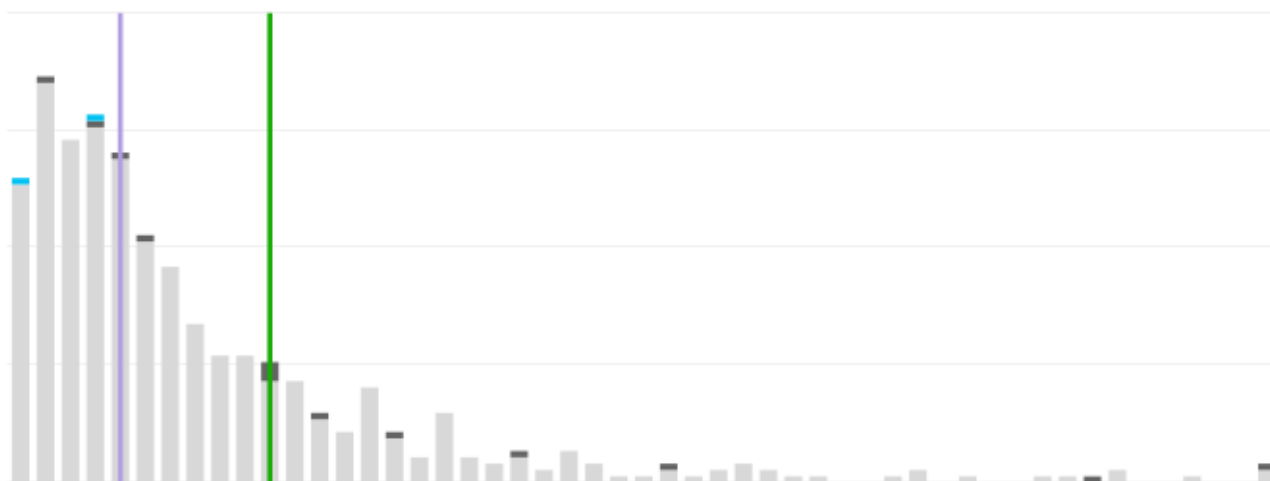
5

REVIEW CITATION MEDIAN

11

UNLINKED CITATIONS

80



0 times cited

ARTICLES

33

REVIEWS

0

OTHER

8

Open Access (OA)

The data included in this tile summarizes the items published in the journal in the JCR data year and in the previous two years. For example, in the 2020 JCR data, released in June 2021, the Open Access (OA) data show the publication model (Gold OA or subscription) of materials published in 2018, 2019 and 2020, and citations in 2020 to these items. This three-year set of published items is used to provide descriptive analysis of the content and community of the journal.

Items

TOTAL CITABLE

910

% OF CITABLE OA

6.48%

CITABLE

● GOLD OPEN ACCESS

59 / 6.36%

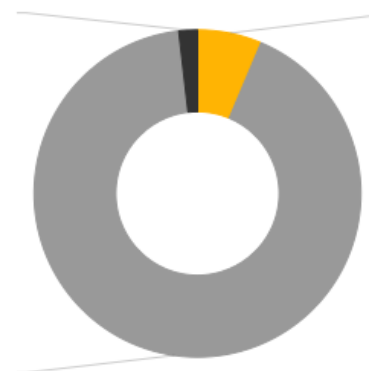
NON-CITABLE

● OTHER (NON-CITABLE ITEMS)

17 / 1.83%

● SUBSCRIPTION OR BRONZE

851 / 91.80%



Citations*

TOTAL CITABLE

5,159

% OF CITABLE OA

3.55%

CITABLE

● GOLD OPEN ACCESS

183 / 3.48%

NON-CITABLE

● OTHER (NON-CITABLE ITEMS)

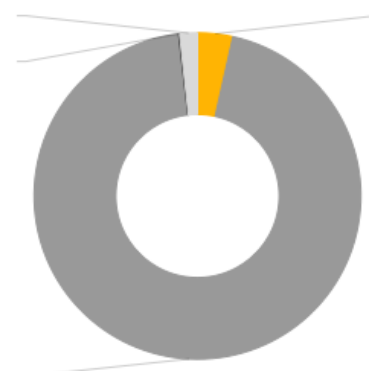
5 / 0.10%

● SUBSCRIPTION OR BRONZE

4,976 / 94.67%

● UNLINKED CITATIONS

92 / 1.75%



* Citations in 2020 to items published in (2018-2020)

Rank by Journal Impact factor

Journals within a category are sorted in descending order by Journal Impact Factor (JIF) resulting in the Category Ranking below. A separate rank is shown for each category in which the journal is listed in JCR. Data for the most recent year is presented at the top of the list, with other years shown in reverse chronological order.

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

TRANSPORTATION SCIENCE & TECHNOLOGY

3/37

| JCR YEAR | JIF RANK | QUART ILE | JIF PERCENTILE | |
|----------|----------|-----------|----------------|--|
| 2020 | 3/37 | Q1 | 93.24 | |
| 2019 | 4/36 | Q1 | 90.28 | |
| 2018 | 3/37 | Q1 | 93.24 | |
| 2017 | 6/35 | Q1 | 84.29 | |
| 2016 | 5/34 | Q1 | 86.76 | |
| 2015 | 5/33 | Q1 | 86.36 | |
| 2014 | 5/33 | Q1 | 86.36 | |
| 2013 | 3/32 | Q1 | 92.19 | |
| 2012 | 7/30 | Q1 | 78.33 | |
| 2011 | 5/28 | Q1 | 83.93 | |
| 2010 | 5/26 | Q1 | 82.69 | |
| 2009 | 7/26 | Q2 | 75.00 | |
| 2008 | 11/23 | Q2 | 54.35 | |
| 2007 | 10/23 | Q2 | 58.70 | |
| 2006 | 10/22 | Q2 | 56.82 | |
| 2005 | 9/20 | Q2 | 57.50 | |
| 2004 | 3/21 | Q1 | 88.10 | |
| 2003 | 4/21 | Q1 | 83.33 | |
| 2002 | 7/19 | Q2 | 65.79 | |
| 2001 | 11/17 | Q3 | 38.24 | |
| 2000 | 7/17 | Q2 | 61.76 | |
| 1999 | n/a | n/a | n/a | |
| 1998 | n/a | n/a | n/a | |
| 1997 | n/a | n/a | n/a | |

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

TRANSPORTATION

n/a

| JCR YEAR | JIF RANK | QUART ILE | JIF PERCENTILE | |
|----------|----------|-----------|----------------|--|
| 2020 | n/a | n/a | n/a | |
| 2019 | n/a | n/a | n/a | |
| 2018 | n/a | n/a | n/a | |
| 2017 | n/a | n/a | n/a | |
| 2016 | n/a | n/a | n/a | |
| 2015 | n/a | n/a | n/a | |
| 2014 | n/a | n/a | n/a | |
| 2013 | n/a | n/a | n/a | |
| 2012 | n/a | n/a | n/a | |
| 2011 | n/a | n/a | n/a | |
| 2010 | n/a | n/a | n/a | |
| 2009 | n/a | n/a | n/a | |
| 2008 | n/a | n/a | n/a | |
| 2007 | n/a | n/a | n/a | |
| 2006 | n/a | n/a | n/a | |
| 2005 | n/a | n/a | n/a | |
| 2004 | n/a | n/a | n/a | |
| 2003 | n/a | n/a | n/a | |
| 2002 | n/a | n/a | n/a | |
| 2001 | n/a | n/a | n/a | |
| 2000 | n/a | n/a | n/a | |
| 1999 | 6/16 | Q2 | 65.63 | |
| 1998 | 6/15 | Q2 | 63.33 | |
| 1997 | 4/14 | Q2 | 75.00 | |

Rank by Journal Citation Indicator (JCI)





Journals within a category are sorted in descending order by Journal Citation Indicator (JCI) resulting in the Category Ranking below. A separate rank is shown for each category in which the journal is listed in JCR. Data for the most recent year is presented at the top of the list, with other years shown in reverse chronological order.

Only journals which have a calculated JCI value are included in the JCI ranking. The total number of journals displayed in this ranking may be less than the category overall.

CATEGORY

TRANSPORTATION SCIENCE & TECHNOLOGY

3/59

| JCR YEAR | JCI RANK | QUARTILE | JCI PERCENTILE | |
|----------|----------|----------|----------------|---|
| 2020 | 3/59 | Q1 | 95.76 |  |
| 2019 | 4/59 | Q1 | 94.07 |  |
| 2018 | 3/58 | Q1 | 95.69 |  |
| 2017 | 5/55 | Q1 | 91.82 |  |

Content metrics

Source data

This tile shows the breakdown of document types published by the journal. Citable Items are Articles and Reviews. For the purposes of calculating JIF, a JCR year considers the publications of that journal in the two prior years.

323 total citable items

| | ARTICLES | REVIEWS | COMBINED (C) | OTHER DOCUMENT TYPES (O) | PERCENTAGE |
|-----------------------------|----------|---------|--------------|--------------------------|------------|
| NUMBER IN JCR YEAR 2020 (A) | 318 | 5 | 323 | 7 | 98% |
| NUMBER OF REFERENCES (B) | 16,985 | 789 | 17,774 | 46 | 100% |
| RATIO (B/A) | 53.4 | 157.8 | 55.0 | 6.6 | |

Average JIF Percentile

The Average Journal Impact Factor Percentile takes the sum of the JIF Percentile rank for each category under consideration, then calculates the average of those values.

ALL CATEGORIES AVERAGE

93.24

EDITION









Science Citation Index Expanded

TRANSPORTATION SCIENCE & TECHNOLOGY

93.24

Contributions by organizations









Organizations that have contributed the most papers to the journal in the most recent three-year period.

| RANK | ORGANIZATION | COUNT | |
|------|------------------------------------|-------|--|
| 1 | DELFT UNIVERSITY OF TECHNOLOGY | 61 |  |
| 2 | TONGJI UNIVERSITY | 54 |  |
| 3 | UNIVERSITY OF CALIFORNIA SYSTEM | 44 |  |
| 4 | TSINGHUA UNIVERSITY | 40 |  |
| 5 | STATE UNIVERSITY SYSTEM OF FLORIDA | 35 |  |
| 6 | SOUTHEAST UNIVERSITY - CHINA | 34 |  |
| 7 | UNIVERSITY OF MICHIGAN SYSTEM | 32 |  |
| 8 | BEIJING JIAOTONG UNIVERSITY | 29 |  |

Showing 1 - 8 rows of 601 total (use export in the relevant section to download the full table)

Contributions by country/region

Organizations that have contributed the most papers to the journal in the most recent three-year period.

| RANK | COUNTRY/REGION | COUNT | |
|------|----------------|-------|--|
| 1 | USA | 411 |  |
| 2 | CHINA MAINLAND | 329 |  |
| 3 | Netherlands | 81 |  |
| 4 | Australia | 72 |  |
| 5 | England | 65 |  |
| 6 | Canada | 42 |  |
| 7 | Singapore | 40 |  |
| 8 | Switzerland | 38 |  |

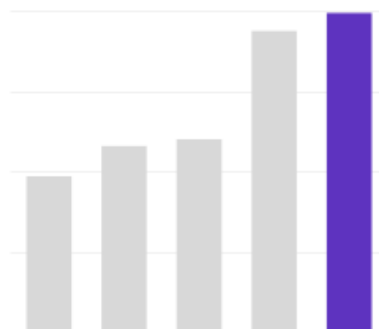
Showing 1 - 8 rows of 53 total (use export in the relevant section to download the full table)

Additional metrics

Eigenfactor score

0.02812

The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than less cited sources. The Eigenfactor calculation does not include journal self-citations.



Normalized Eigenfactor

5.89533

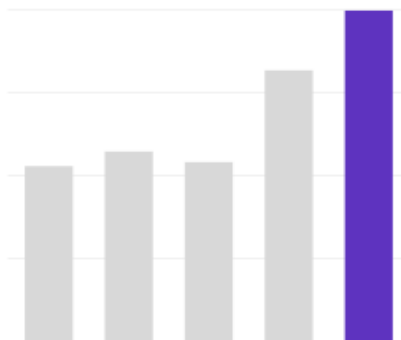
The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1.



Article influence score

2.080

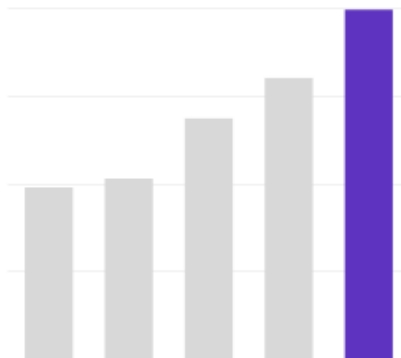
The Article Influence Score normalizes the Eigenfactor Score according to the cumulative size of the cited journal across the prior five years. The mean Article Influence Score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has above-average influence.



5 year Impact Factor

8.795

The 5-year Impact Factor is the average number of times articles from the journal published in the past five years have been cited in the JCR year. It is calculated by dividing the number of citations in the JCR year by the total number of articles published in the five previous years.



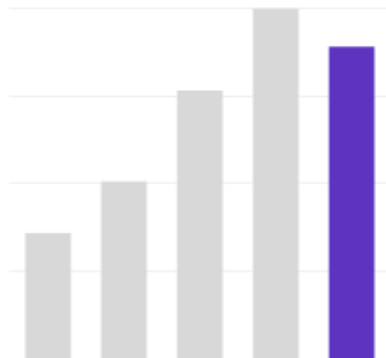
5 year Impact Factor calculation

| | | | | |
|---|---|--------|---|-------|
| Citations in 2020 to items published in [2015-2019] (11,557) | = | 11,557 | = | 8.795 |
| Number of citable items in [2015-2019] (1,314) | | 1,314 | | |

Immediacy Index

1.573

The Immediacy Index is the count of citations in the current year to the journal that reference content in this same year. Journals that have a consistently high Immediacy Index attract citations rapidly.



Immediacy Index calculation

| | | |
|--|-----|-------------------|
| Cites in 2020 to items published in 2020 | 508 | |
| <hr/> | | 508 / 323 = 1.573 |
| Number of items published in 2020 | 323 | |