


Citation Context

in Web of Science

Web of Science has been classifying in-text mentions since April 2021. These classifications are called **Enriched Cited References** and indicate why an author may have cited a reference. The references are visualized to help you quickly scan article sections and classifications to determine which references are the most closely related or the most impactful and infer each reference's purpose. Articles that contain enriched cited references are identified with this label:

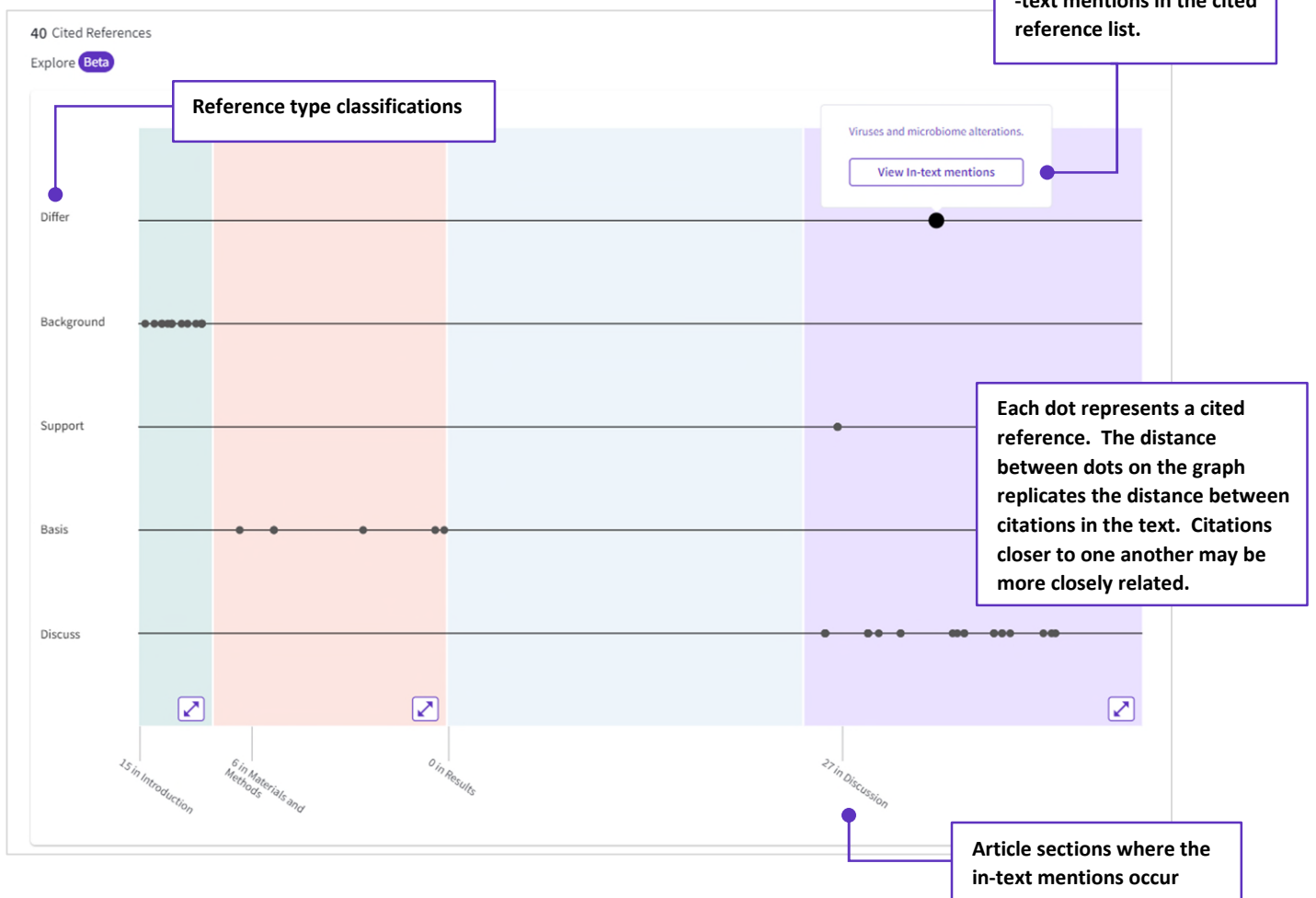
Classifications:

 Enriched Cited References

- **Background**—previously published research that orients the current study within a scholarly area.
- **Basis**—references that report the data sets, methods, concepts and ideas that the author is using for her work directly or on which the author bases her work
- **Discuss**—references mentioned because the current study is going into a more detailed discussion.
- **Support**—references which the current study reports to have similar results to. This may also refer to similarities in methodology or in some cases replication of results.
- **Differ**—references which the current study reports to have differing results to. This may also refer to differences in methodology or differences in sample sizes, affecting results.

Visualizing references by article section and reference classification

Articles with enriched cited references will display this visualization above the cited references:



Cited Reference List with in-text mentions

Each cited reference is linked from the above visualization and will contain in-text mention details.

2	<p>Current Concepts: Infection in the Pathogenesis and Course of Chronic Obstructive Pulmonary Disease Sethi, S and Murphy, TF Nov 27 2008 NEW ENGLAND JOURNAL OF MEDICINE 359 (22) , pp.2355-2365</p> <p> Full Text at Publisher *** Cited in Article: 2</p>	<p>603 Citations</p> <p>66 References</p> <p>Related records</p>
3	<p>The Lung Microbiome and Viral-induced Exacerbations Dickson, RP; Huang, YJ; (...) ; Huffnagle, GB Nov 15 2013 AMERICAN JOURNAL OF RESPIRATORY AND CRITICAL CARE MEDICINE 188 (10) , pp.1373-1381</p> <p> Full Text at Publisher *** Cited in Article: 1</p>	<p>18 Citations</p> <p>16 References</p> <p>Related records</p>
4	<p>Virus-induced exacerbations in asthma and COPD Kurai, D; Saraya, J; (...) ; Takizawa, H Oct 1 2013 FRONTIERS IN MICROBIOLOGY 4</p> <p> Free Full Text from Publisher *** Cited in Article: 3</p>	<p>106 Citations</p> <p>121 References</p> <p>Related records</p>
5	<p>Acute exacerbation of COPD Ko, FW; Chan, KP; (...) ; Yang, JA Oct 2016 RESPIROLOGY 21 (7) , pp.1152-1165</p> <p> Free Full Text from Publisher *** Cited in Article: 1</p>	<p>124 Citations</p> <p>123 References</p> <p>Related records</p>
6	<p>Significance of the microbiome in obstructive lung disease Han, MK; Huang, YJ; (...) ; Martinez, FJ May 2012 THORAX 67 (5) , pp.456-463</p> <p> Free Full Text from Publisher ***</p>	<p>149 Citations</p> <p>94 References</p> <p>Related records</p>

Article text excerpt where the mention occurred

Virus-induced exacerbations in asthma and COPD

"... component in the lower respiratory tract and is mainly due to an infectious process caused both by bacterial and/or viral respiratory infections [3, 4] and by non-infectious causes such as exposure to environmental agents, allergy to lipopolysaccharides, poor treatment compliance, and smoking [5]." Full Text at Publisher

Section: Introduction Classification: Background

1 out of 3 in-text mentions

Article section and classification

References may be mentioned multiple times in an article. Move through each mention to see the section and classification for each instance.

Refine and sort search results using enriched cited reference data

Refine your search results using the Quick Filter to view source articles that contain enriched cited references.

Refine results to those source articles containing enriched cited references

Sort search results by Citation class.

Search: microbiom* (All Fields)
 Refined By: Publication Years: 2019 X Clear a
 Copy query link

Publications You may also like...

Refine results
 Search within results for...

Quick Filters

- Highly Cited Papers 321
- Review Articles 1,710
- Early Access 5
- Open Access 6,296
- Associated Data 136
- Enriched Cited References 266

Publication Years

- 2019 9,659

Document Types

- Articles 6,480
- Review Articles 1,710
- Meeting Abstracts 827
- Editorial Materials 416

0/9,659 Add To Marked List Export

Sort by: Relevance 1 of 194

- Relevance
- Recently added
- Citation class**
- Date: newest first
- Date: oldest first
- Citations: highest first
- Citations: lowest first
- Usage (all time): most first
- Usage (last 180 days): most first
- Conference title: A to Z
- Conference title: Z to A
- First author name: A to Z
- First author name: Z to A
- Publication title: A to Z
- Publication title: Z to A
- ... Show more

1 Challenges in the construction of knowledge bases for human
 Badal_VD; Wright_D; (...); Hsu_CN
 Sep 5 2019 | MICROBIOME 7 (1)
 The last few years have seen tremendous growth in human microbiome research and disease. Medical and experimental settings provide initial sources of information of knowledge bounded in context by the perspective of expert researchers.
 SFX Free Full Text from Publisher ***

2 Sputum Microbiome Dynamics in Chronic Obstructive Pulmonary Disease Patients during an Exacerbation
 Caro_JCL; Santibanez_M; (...); Paz-Zulueta_M
 Nov 2019 | RESPIRATION 98 (5), pp.447-454
 Enriched Cited References
 Background: Chronic obstructive pulmonary disease (COPD) affects up to 65 million people worldwide, and COPD exacerbation subsequent loss of lung function. It is a multifactorial event in which respiratory infections are involved, but little is known about its dynamics. Objectives: The objective of our study was to determine the microbiome composition during an exacerbation.
 SFX Full Text at Publisher ***

3 2017 NIH-wide workshop report on "The Human Microbiome: Emerging Themes at the Horizon of the 21st Century"
 Alm_E; Borenstein_E; (...); Xavier_RJ
 2 Citations

Sort results by citation class

- Which articles in this results set have citing articles that support or differ from their findings?
- Which articles in this set serve as background material for later papers?

Sort by citation class to answer questions like these and understand how documents in your search have influenced future research.

Citing items by classification at the document level

You can also see citation classifications for individual publications. The Citation Network panel on the right provides a breakdown of the document's citing articles.

The human microbiome in evolution

By: Davenport, ER (Davenport, Emily R.) [1]; Sanders, JG (Sanders, Jon G.) [2]; Song, SJ (Song, Se Jin) [2]; Amato, KR (Amato, Katherine R.) [3]; Clark, AG (Clark, Andrew G.) [1]; Knight, R (Knight, Rob) [2], [4], [5]

View Web of Science ResearcherID and ORCID (provided by Clarivate)

BMC BIOLOGY
Volume: 15
Article Number: 127
DOI: 10.1186/s12915-017-0454-7
Published: DEC 27 2017
Indexed: 2018-01-11
Document Type: Review

Abstract
The trillions of microbes living in the gut-the gut microbiot understanding of our microbiomes demands an evolutiona microbes from humanity's near and distant animal relative disrupting those configurations. Finally, we propose that t interactions.

Keywords
Author Keywords: Microbiome; Evolution; Codiversificati
Keywords Plus: HEALTHY-HUMAN MICROBIOME; MONKEY PHYLOGENY; ANTIBIOTIC USE; BACTERIAL-DNA; DIET

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1 Cornell Univ, Dept Mol Biol & Genet, Ithaca, NY USA
2

Citation Network
In Web of Science Core Collection

112
Citations

Create citation alert

114 Times Cited in All Databases
+ See more times cited

139 Cited References
View Related Records

Citing items by classification
Breakdown of how this article has been mentioned, based on available citation context data and snippets from 20 citing item(s).

Background	15
Basis	1
Support	1
Differ	0
Discuss	6

Most Recently Cited by
Weinhold, A;
Bowel Movement: Integrating Host Mobility and Microbial Transmission Across Host Taxa

Citing items by classification

Breakdown of how this article has been mentioned, based on available citation context data and snippets from 19 citing item(s).

Background	14
Basis	1
Support	1
Differ	0
Discuss	6

Click the chart rows to view citing articles in each classification.

6 results cited:

The human microbiome in evolution

Copy query link

Refine results

Search within results for...

Quick Filters

- Early Access 1
- Open Access 6
- Enriched Cited References 6

Publication Years

- 2022 1
- 2021 4
- 2020 1

Document Types

- Articles 6
- Early Access 1

0/6 Add To Marked List Export

Sort by: Date: newest first 1 of 1

1 Polycystic Ovary Syndrome: An Evolutionary Adaptation to Lifestyle and the Environment

Parker, J; O'Brien, C (-); Gersh, FL
Feb 2022 | INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH 19 (3)

250 References

Enriched Cited References

Polycystic ovary syndrome (PCOS) is increasingly recognized as a complex metabolic disorder that manifests in genetically susceptible women following a range of negative exposures to nutritional and environmental factors related to contemporary lifestyle. The hypothesis that PCOS phenotypes are derived from a mismatch between ancient genetic survival mechanisms and modern lifestyle practices is ... Show more

Free Full Text from Publisher

In-text mentions (4)

"Evidence from studies in Western populations, hunter-gatherer societies and phylogenetic studies in other species, have attempted to place the human microbiome into an evolutionary context [118]."

Found in "Methods"

Section: Methods Classification: Basis

"Nevertheless, it has been argued that focusing on functional pathways and metabolic roles of microbial co model for understanding evolutionary fitness [118]."

Found in "Methods"

Section: Methods Classification: Discuss

These six citing articles mention the original within the context of a detailed discussion. See the exact language the authors used in their discussion of the publication, along with the section and classification details.