

SPRINGER NATURE Link

Quick User Guide

November 2024



SPRINGER NATURE

INTRODUCING SPRINGER NATURE LINK

Home for all research

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The screenshot shows the Springer Nature Link homepage. The top navigation bar includes 'Find a journal', 'Publish with us', 'Track your research', a search bar, and 'Log in' and 'Cart' buttons. The main search bar is labeled 'Search for research articles, academic books and more'. Below the search bar, statistics are displayed: '200 million monthly downloads', '24 million monthly readers', and '3 million authors submit annually'. The central headline 'Home for all research' is highlighted with an orange octagonal callout. Below this, there are three main sections: 'Discover open access' (with an image of people using laptops), 'Publish with us' (with an image of a person looking at a screen), and 'Track your research' (with an image of hands typing on a laptop). At the bottom, there are links for 'Featured articles and journals', 'Browse by subject', and 'About Springer Nature Link'. The footer features 'Our brands' with logos for Springer, nature portfolio, BMC, Apress, palgrave macmillan, and Discover.

Responsive search function

Jump to highlighted content

Includes content from across our brands

Sign-in

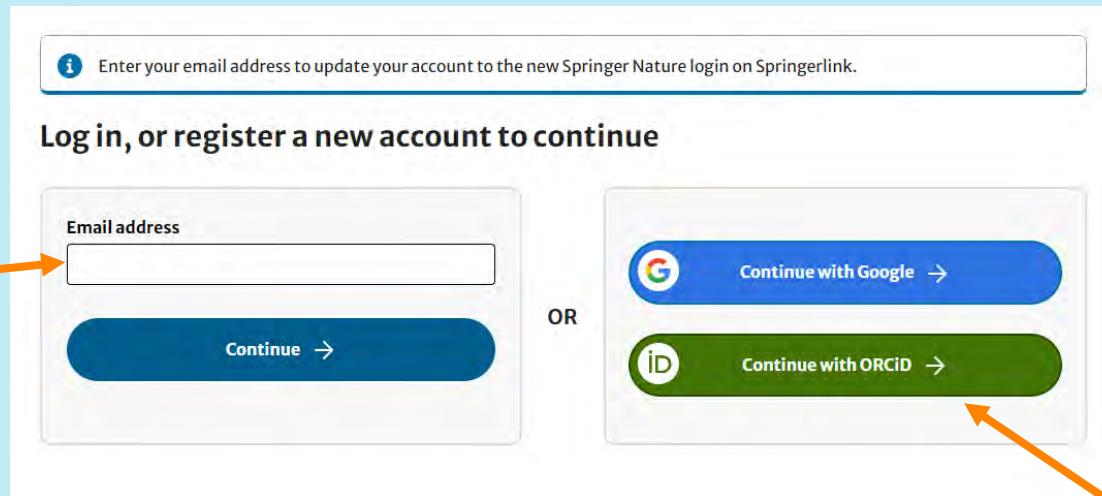
Purchase content online

Browse by discipline

LOGGING IN

Home for all research

3



Registered users can log-in directly

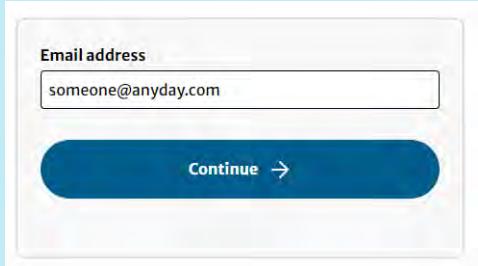
Or log-in using your Google account or ORCID

CREATING AN ACCOUNT WITH EMAIL ADDRESS

For the first time

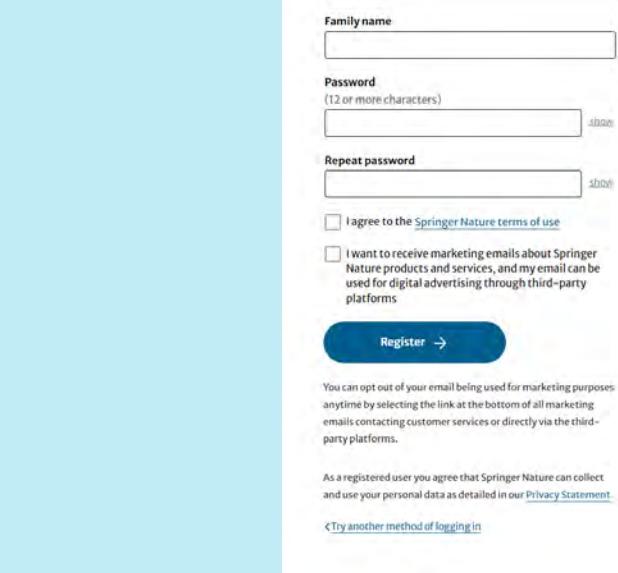
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1) Enter email address on Log in page and press continue



The image shows a screenshot of a login page. At the top, there is a text input field labeled "Email address" containing the text "someone@anyday.com". Below this is a large blue button with the text "Continue" and a right-pointing arrow. The background is white with a light gray header.

2) Fill in form and confirm terms of use. Press register.

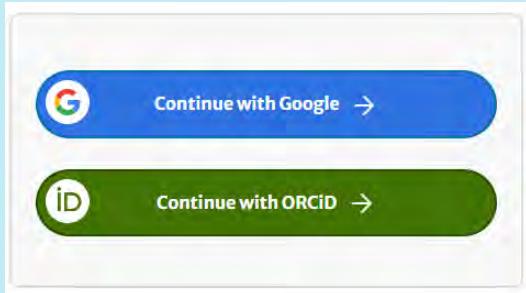


The image shows a "Create account" form. At the top, it says "Registering as someone@anyday.com". The form includes fields for "Given names" and "Family name", both with empty input fields. Below that is a "Password" field with a placeholder "(12 or more characters)" and a "Repeat password" field with a "show" link. There are two checkboxes: one for agreeing to the "Springer Nature terms of use" and another for receiving marketing emails. A "Register" button with a right-pointing arrow is at the bottom. Below the button, a note states: "You can opt out of your email being used for marketing purposes anytime by selecting the link at the bottom of all marketing emails contacting customer services or directly via the third-party platforms." At the very bottom, a note says: "As a registered user you agree that Springer Nature can collect and use your personal data as detailed in our [Privacy Statement](#)." A link to "Try another method of logging in" is at the bottom right.

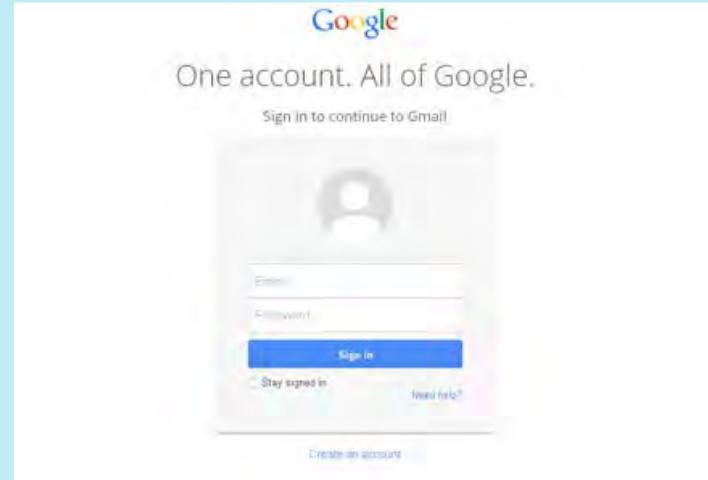
CREATING AN ACCOUNT WITH GOOGLE ACCOUNT

For the first time

1) Choose 'Continue with Google'



2) Sign in to Google using your email and password.

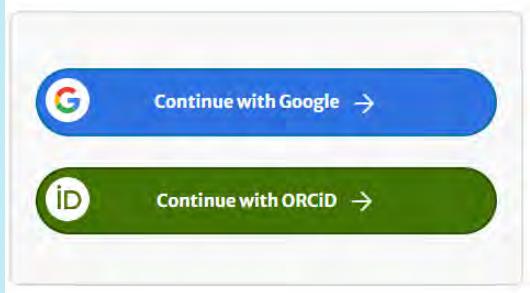


CREATING AN ACCOUNT WITH ORCID ACCOUNT

For the first time

6

1) Choose 'Continue with ORCID'



2) Sign in to ORCID using your email/ID and password.

A screenshot of the ORCID sign-in page. At the top is a green circular logo with a white 'ID' icon. Below it is the text 'Sign in to ORCID' and a link 'Don't have your ORCID ID yet? Register now'. There are two input fields: 'Email or ORCID ID' and 'Password'. Below these is a large blue 'Sign in to ORCID' button. To the right of the password field is a link 'Forgot your password or ORCID ID?'. At the bottom are two options: 'Sign in through your institution' (with a building icon) and 'Sign in with Google' (with a 'G' icon).

Or click on this option to authenticate yourself through your institution.



SEARCHING FOR CONTENT

Finding what you need

7

1) Enter key word into search bar



2) Refine search using left hand menu, filtering results by:

- Content type
- Date published
- Language
- Subject
- Disciplines
- Subdisciplines

Then click **Update Results**

Result page

Search for articles, journals, books, authors, videos

mitochondria

Search

Sort by (updates page)

Relevance

Showing 1-20 of 259,527 results

Content type

- Article (191,136)
- Research article (149,443)
- Chapter (68,028)
- Review article (27,275)
- Reference work entry (6,071)
- Conference paper (5,416)
- Protocol (4,096)
- News article (1,308)

[Show more](#)

Date published

- Last 3 months
- Last 6 months
- Last 12 months
- Last 24 months

Custom dates

Start year (YYYY) End year (YYYY)

Languages

- English (256,041)
- German (3,134)

Chapter Full access

Mitochondria and Ageing

Aging is a complex and multifactorial process, characterized by a progressive decline of energy metabolism and physiological functions. Although...

Tiago Rodrigues in *Cellular and Molecular Aspects of Ageing* 2024

Article Full access

Mitochondria in tumor immune surveillance and tumor therapies targeting mitochondria

Mitochondria play a central role in cellular energy production and metabolic regulation, and their function has been identified as a key factor...

Lyuyuan Li, Yi Zhang, ... Wei Xiong in *Cellular Oncology* 07 October 2024

Article Full access

Infection-induced peripheral mitochondria fission drives ER encapsulations and inter-mitochondria contacts that rescue bioenergetics

The dynamic regulation of mitochondria shape via fission and fusion is critical for cellular responses to stimuli. In homeostatic cells, two modes of...

William A. Hofstädter, Katelyn C. Cook, ... Illeana M. Cristea in *Nature Communications* 27 August 2024 Open access

Article Full access

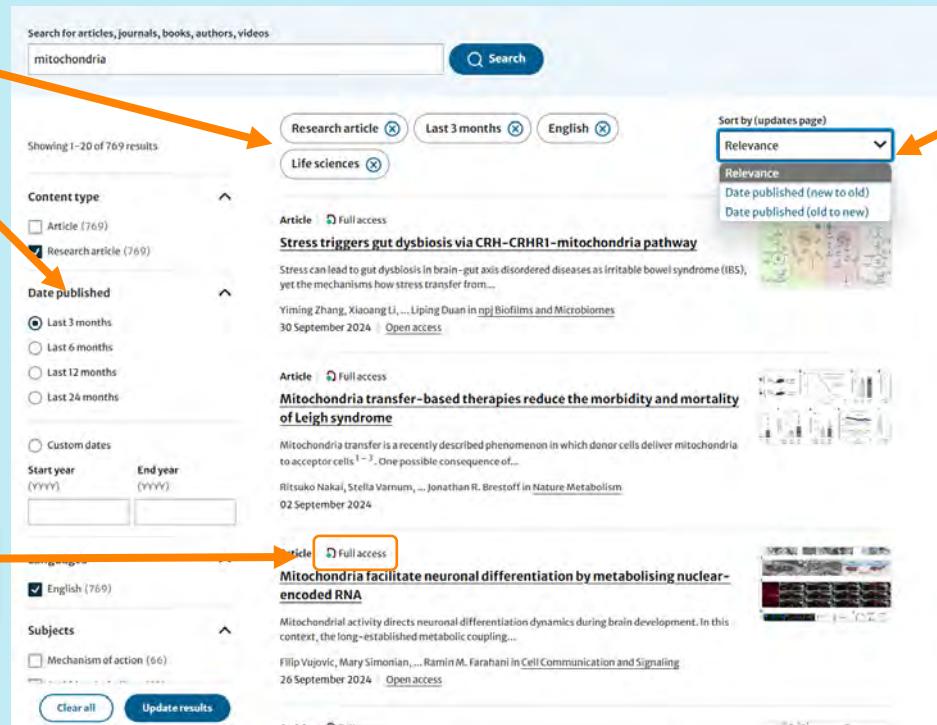
The role of mitochondria in tumor metastasis and advances in mitochondria-targeted cancer therapy

Mitochondria are central actors in diverse physiological phenomena ranging from energy metabolism to stress signaling and immune modulation...

SEARCHING FOR CONTENT

Finding what you need

2) Review refined results



Search for articles, journals, books, authors, videos
mitochondria

Showing 1-20 of 769 results

Content type

- Article (769)
- Research article (769)

Date published

- Last 3 months
- Last 6 months
- Last 12 months
- Last 24 months

Custom dates

Start year (YYYY) End year (YYYY)

Subjects

- Mechanism of action (66)

Clear all Update results

Sort by (updates page)

Relevance

- Relevance
- Date published (new to old)
- Date published (old to new)

Article Full access
Stress triggers gut dysbiosis via CRH-CRH1-mitochondria pathway
Stress can lead to gut dysbiosis in brain-gut axis disordered diseases as irritable bowel syndrome (IBS), yet the mechanisms how stress transfer from...
Yiming Zhang, Xiaoliang Li, ... Liping Duan in *npj Biofilms and Microbiomes*
30 September 2024 | Open access

Article Full access
Mitochondria transfer-based therapies reduce the morbidity and mortality of Leigh syndrome
Mitochondria transfer is a recently described phenomenon in which donor cells deliver mitochondria to acceptor cells¹⁻³. One possible consequence of...
Ritsuko Nakai, Stella Varum, ... Jonathan R. Bresloff in *Nature Metabolism*
02 September 2024

Article Full access
Mitochondria facilitate neuronal differentiation by metabolising nuclear-encoded RNA
Mitochondrial activity directs neuronal differentiation dynamics during brain development. In this context, the long-established metabolic coupling...
Filip Vujovic, Mary Simonian, ... Ramin M. Farahani in *Cell Communication and Signaling*
26 September 2024 | Open access

3) Sort by date

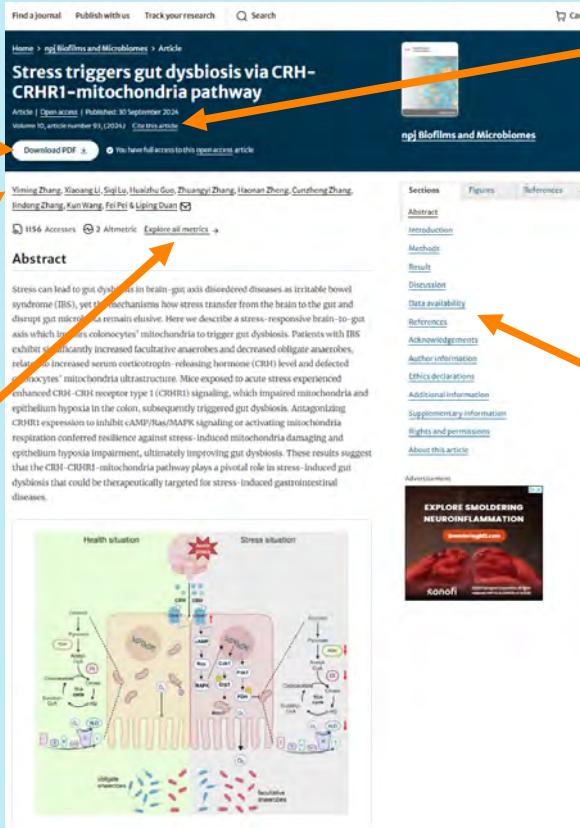
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Review Figures and References

Jump to sections of interest

HOW TO CITE AN ARTICLE

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Find a journal Publish with us Track your research Search

Home > *npj Biofilms and Microbiomes* > Article

Stress triggers gut dysbiosis via CRH-CRH1-mitochondria pathway

Article 10, article number 93 (2024) Cite this article

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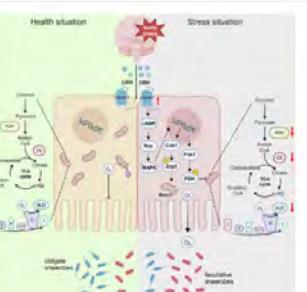
Yiming Zhang, Xiaoxiang Li, Sijia Lu, Haifulu Guo, Zhuangyi Zhang, Haoran Zheng, Cunzheng Zhang, Jinglong Zhang, Kun Wang, Fei Pei & Liping Duan

1156 Accesses 3 Altmetric Explore all metrics ↗

Abstract

Stress can lead to gut dysbiosis in brain-gut axis disordered diseases as irritable bowel syndrome (IBS), yet the mechanisms how stress transfer from the brain to the gut and disrupt gut microbiota remain elusive. Here we describe a stress-responsive brain-to-gut axis which impairs colonocytes' mitochondria to trigger gut dysbiosis. Patients with IBS exhibit significantly increased facultative anaerobes and decreased obligate anaerobes, related to increased serum corticotropin-releasing hormone (CRH) level and defected colonocytes' mitochondria ultrastructure. Mice exposed to acute stress experienced enhanced CRH-CRH receptor type 1 (CRHR1) signaling, which impaired mitochondria and epithelium hypoxia in the colon, subsequently triggered gut dysbiosis. Agonizing CRH1 expression to inhibit cAMP/Ras/MAPK signaling or activating mitochondria respiration conferred resilience against stress-induced mitochondria damaging and epithelium hypoxia impairment, ultimately improving gut dysbiosis. These results suggest that the CRH-CRH1-mitochondria pathway plays a pivotal role in stress-induced gut dysbiosis that could be therapeutically targeted for stress-induced gastrointestinal diseases.

Health situation Stress situation



1) Click "Cite this article"

Cite this article

Zhang, Y., Li, X., Lu, S. et al. Stress triggers gut dysbiosis via CRH-CRH1-mitochondria pathway. *npj Biofilms Microbiomes* 10, 93 (2024). <https://doi.org/10.1038/s41522-024-00571-z>

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DOI <https://doi.org/10.1038/s41522-024-00571-z>

Data availability

References

Acknowledgements

Author information

Ethics declarations

Additional information

Supplementary information

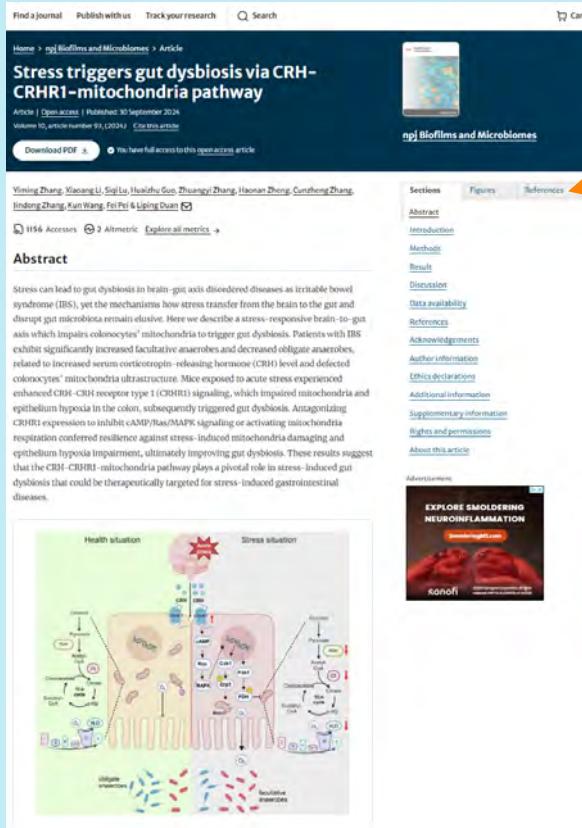
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About this article

2) Copy citation information or click "Download citation"

REFERENCES

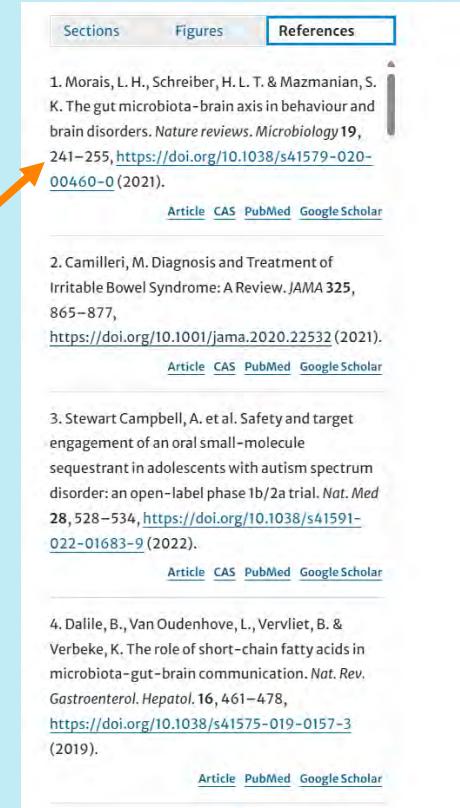
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1) Click “References”

2) Explore list of literature
the author used to write
the article.

Most references are
linked to their source.



SPRINGER NATURE ACCESSIBILITY STATEMENT

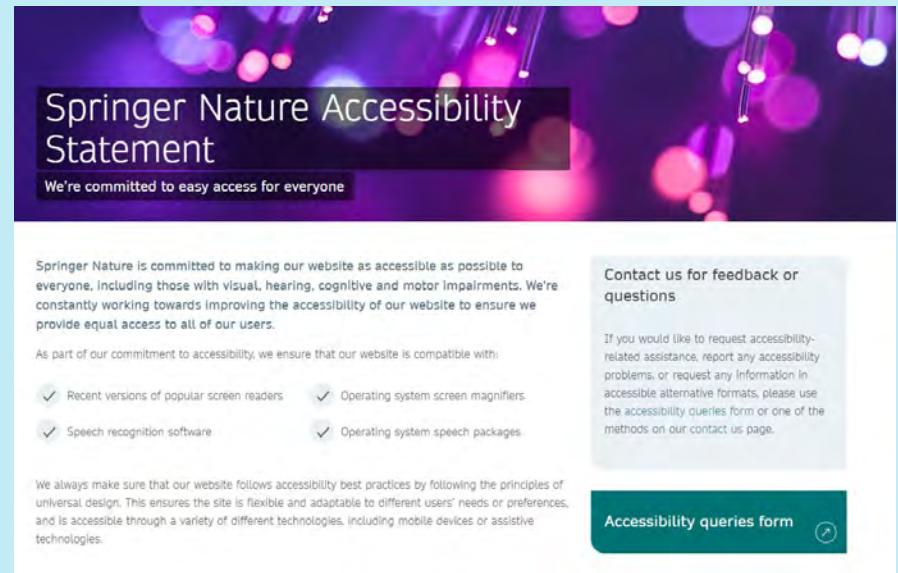
We're committed to easy access for everyone

12

We ensure that our website is compatible with:

- Recent versions of popular screen readers
- Operations systems screen magnifiers
- Speech recognition software
- Operation system speech packages

We welcome your feedback or questions,
please use the [**Accessibility queries form**](#) to
raise any accessibility concerns.



The screenshot shows the Springer Nature Accessibility Statement page. The header features the text 'Springer Nature Accessibility Statement' and 'We're committed to easy access for everyone' against a purple background with bokeh light effects. The main content area discusses website compatibility and lists checked items for screen readers, magnifiers, speech recognition, and speech packages. A sidebar on the right provides contact information and links to accessibility queries and contact us pages. A footer at the bottom right includes a 'Accessibility queries form' button with a magnifying glass icon.

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Recent versions of popular screen readers Operating system screen magnifiers

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Accessibility queries form 

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