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Date: 15 Oct 2024

Fusion supply chain - A glimpse into the future for commercial fusion reactors

<https://www.iter.org/newsline/-/4088>

[Latest ITER Newsline: <https://www.iter.org/whatsnew>]

Fusion's growth trajectory

<https://www.neimagazine.com/analysis/fusions-growth-trajectory/>

General Atomics Releases FUSE: A Powerful Tool to Fast-Track the Development of Fusion Power Plants

<https://www.ga.com/ga-releases-fuse-a-powerful-tool-to-fast-track-the-development-of-fusion-power-plants>

F4E and AVS-Tecnalia deliver beam line components for MITICA

<https://fusionforenergy.europa.eu/news/f4e-avs-mitica-beam-line-components/>

Researchers find clues to the mysterious heating of the sun's atmosphere

<https://www.pppl.gov/news/2024/researchers-find-clues-mysterious-heating-sun%E2%80%99s-atmosphere>

New AI models of plasma heating lead to important corrections in computer code used for fusion research

<https://www.pppl.gov/news/2024/new-ai-models-plasma-heating-lead-important-corrections-computer-code-used-fusion>

DOE issues \$49 million to shift national lab research toward fusion energy vision

<https://www.ans.org/news/article-6467/doe-issues-49million-to-shift-national-lab-research-toward-fusion-energy-vision/>

University launches space nuclear technology spin-off

<https://www.neimagazine.com/news/university-launches-space-nuclear-technology-spin-off/>

Europe's fusion energy vision requires more investment, commitment

https://www.euractiv.com/section/eet/special_report/europes-fusion-energy-vision-requires-more-investment-commitment/

New Funding for Fusion Materials Projects

<https://www.einpresswire.com/article/750772472/new-funding-for-fusion-materials-projects>

Fusion Energy Collaboration Survives Russophobia Says ITER Head in Moscow

<https://eir.news/2024/10/news/fusion-energy-collaboration-survives-russophobia-iter-head-in-moscow/>

The Resurgence of Nuclear Fusion: A Path to Clean Energy

<https://scalar.usc.edu/works/graduate/the-resurgence-of-nuclear-fusion>

Fusion energy a technological triumph with global implications

<https://theclarion.ca/viewpoint/fusion-energy-a-technological-triumph-with-global-implications/>

China achieves Boron-10 enrichment breakthrough

<https://www.neimagazine.com/news/china-achieves-boron-10-enrichment-breakthrough/>

Recent Peer-Reviewed Articles of Interest

ICF target optimization using generative AI

<https://pubs.aip.org/aip/pop/article/31/10/103903/3316364/ICF-target-optimization-using-generative-AI>

Hydrogen diffusion and trapping in a cryogenic processed high-Cr ferrous alloy

<https://www.nature.com/articles/s41529-024-00522-1>

Plasma discharge experiments of a Faraday shieldless driver for high-power and long-pulse radio frequency ion source for NBI application

<https://pubs.aip.org/aip/rsi/article/95/10/103515/3316771/Plasma-discharge-experiments-of-a-Faraday>

Multi-stage electroporation dynamics induced by ionization wave–substrate interaction in cold plasma jet

<https://pubs.aip.org/aip/apl/article/125/15/154102/3316162/Multi-stage-electroporation-dynamics-induced-by>