

Macro Roundup Article

Headline: [Korean Team Claims To Have Created The First Room-Temperature, Ambient-Pressure Superconductor](#)

Article Link: <https://phys.org/news/2023-07-korean-team-room-temperature-ambient-pressure-superconductor.html>

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| Author(s) | Bob Yirka |
| Publication | Phys.org |
| Publication Date | July 27, 2023 |

Tweet: [In a preprint a team in South Korea claims to have created a room-temperature/ambient-pressure superconducting material.](#)

Summary: In their papers, the team claims to have measured samples of LK-99 as electricity was applied and found its sensitivity fell to near zero. They also claim that in testing its magnetism, it exhibited the Meissner effect—another test of superconductivity. In such a test, a sample should levitate when placed on a magnet. The team has provided a video of the material partially levitating. They claim that the levitation was only partial because of impurities in their material.

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