



## IMPACT: LAMDA IN THE GOOGLE SCHOLAR NUMBERS

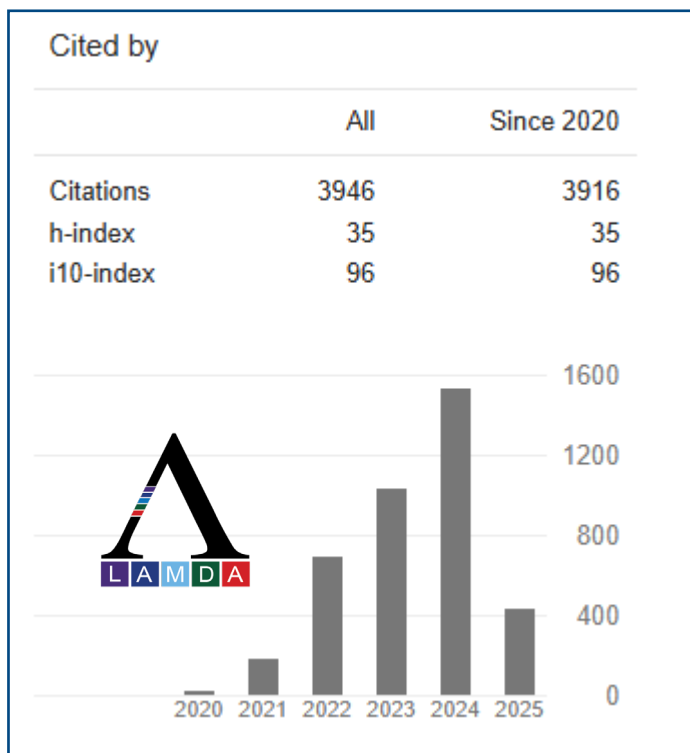
It seems like just yesterday, but it was in 2004 when Google launched its latest innovation, Google Scholar in an attempt to provide the public and researchers easier access to scholarly research.

Here at LA EPSCoR, we had a different idea: what if we aggregated all the EPSCoR Track 1 Louisiana Materials Design Alliance (LAMDA) articles in Google Scholar to create an alliance-wide profile and provide us with a publicly visible tool for communicating impact and success? So, with the help of attribution data, we established the LAMDA Google Scholar profile and posted it on the LAMDA website for all to see.

Less than five years after we did this, there is an entire data set to explore. Shown to the right is the only graphic that Google Scholar offers. The bar graph clearly captures the exponential growth of citations over the last five years, with total citations rapidly approaching 4,000. The index statistics show formidable citation rates across multiple papers. For example, 96 of the papers listed have been cited at least ten times. It isn't difficult to visualize that citation tree.

Drilling down to explore the profile's individualized data, we begin to see a granular picture. Let's look together at a couple of different aspects.

The **current** most cited paper was published in 2020 in the Advances in Neural Information Processing Systems journal. "Video Object Segmentation with Adaptive Feature Bank and Uncertain-region Refinement," was authored by an LSU and ULL collaboration by Yongqing Liang, Xin Li, Navid Jafari, and Jim Chen. In the five years since publication, the paper is cited in **201 other papers**. And, it isn't the only paper with a seriously impressive citation rate. The second most cited paper by Ali Hemmasian Etefagh, Shengmin Guo, and Jonathan Raush **boasts 189**, "Corrosion Performance of Additively Manufactured Stainless Steel Parts," 2021.



Above: March 11, 2025, a screenshot of the LAMDA Google Scholar profile live data at: <https://scholar.google.com/citations?hl=en&authuser=2&user=AMOm7nQAAAAJ>

By tracking over time Google Scholar illustrates the movement of a paper through the scientific community like someone attached a GPS tracker to them.

Next, let's take a look at what the smaller figures can tell us. Recently published in January of 2025 is another collaborative effort this time by La Tech professors: M Shafiqur Rahman, Chowdhury Sadid Alam, Mohammad Khairul Habib Pulok, Congyuan Zeng, and Uttam K Chakravarty. "An Investigation of Tensile, Fatigue, and Fracture Behavior of 3D-Printed Polymers" made it into the Journal of Engineering Materials and Technology and has garnered **5 citations in less than three months**. Extrapolate that over time, and you get the picture.

Truly, each of the publications referenced in the Google Scholar profile tell a whole human and scientific story of their own.



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