

## Scientific legacy of Jean-François Wyart and its impact on the modern atomic spectroscopy

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The Web of Science database lists 250 cited publications of Jean-François Wyart encompassing his long and productive scientific career between 1969 and 2021. As of March 2022, these publications were cited in more than 2400 articles in 30 research areas. Most of the citations are from the fundamental research in atomic physics and optics, but other research areas include astronomy and astrophysics, chemistry, materials science, nuclear science and technology, metallurgy, biochemistry, biophysics, mechanics, crystallography, mineralogy, environmental sciences, geochemistry, remote sensing, thermodynamics, and many other applied sciences. This reflects the general importance of atomic physics in modern scientific and engineering applications. This importance increases with time, which is evidenced by the steady growth of the number of citations. Thus, the work of Jean-François Wyart has made a huge impact on the modern science and technology, and this impact is likely to increase with time. I will try to review at least some of the topics on which Jean-François worked and explain why they are so important.