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The Elements of Sustainable Chemistry

AUTHORS

Paul ANASTAS / YALE UNIVERSITY, 95 PROSPECT ST, NEW HAVEN

PURPOSE OF THE ABSTRACT

There has been recognition for close to 30 years that green chemistry is the "chemistry of sustainability". Green chemistry and green engineering is the scientific and technical core of the design, demonstration and implementation at scale of sustainable products, processes and systems. Even with all of the outstanding scientific achievements put forward in these fields, there is an appropriate recognition that there are other elements that are needed to turn scientific insights into practical, positive impacts on the world. These additional elements and aspects ranging from education to policy and beyond are essential to putting the science of green chemistry into practice. These 'elements of sustainable chemistry' will be discussed and explored.

FIGURES

FIGURE 1

FIGURE 2

KEYWORDS

green chemistry | green engineering | elements | periodic

BIBLIOGRAPHY