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Sustainable Process Integration and Intensification ...

Process integration technology (or heat and water integration/pinch technology) has been extensively used in the processing and power generating industry over the last 30 years and was pioneered in the late 1980s and 1990s by the Department of Process Integration, UMIST (now the Centre for Process Integration, CEAS, The University of Manchester).

Software tools overview: process integration, modelling ...

Bioprocess intensification is a term that we hear often, but it is difficult to define or rather there are often several definitions depending on the perspective of the author. That said, it is generally considered a toolbox of strategies to improve the biomanufacturing process and make it more efficient. What is meant by "efficient" is a metric that has to be defined by the group working ...

Bioprocess Intensification - A discussion on the what, the ...

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