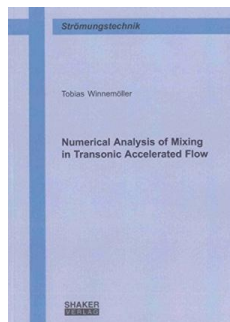


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## NUMERICAL ANALYSIS OF MIXING IN TRANSONIC ACCELERATED FLOW



Shaker Verlag Jul 2013, 2013. Buch. Book Condition: Neu. 208x146x12 mm. Neuware - To analyze the gasdynamical generation of nanoparticles, the turbulent mixing of the heavy gas tetraethoxysilane (TEOS -  $\text{Si}(\text{C}_2\text{H}_5\text{O})_4$ ) in a hot accelerated air co-flow is numerically investigated for two injector configurations, one with a plane geometry and one with a streamwise-ramp geometry. The precursor gas TEOS is premixed with nitrogen and ejected through circular holes in the base of an injector into the nozzle flow at a...

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- Authored by Tobias Winneföller
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