# Trygve Skjold

List of Publications by Year
in descending order



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|---|---|---|---|
| 25 papers | 556 citations | 516710 16 h-index | 610901 24 g-index |
| 26 all docs | 26 docs citations | 26 times ranked | 360 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Simulating vented hydrogen deflagrations: Improved modelling in the CFD tool FLACS-hydrogen. International Journal of Hydrogen Energy, 2021, 46, 12464-12473. | 7.1 | 18 |
| 2 | Assessing the influence of real releases on explosions: Selected results from large-scale experiments. Journal of Loss Prevention in the Process Industries, 2021, 72, 104561. | 3.3 | 3 |
| 3 | Computational fluid dynamics simulations of hydrogen releases and vented deflagrations in large enclosures. Journal of Loss Prevention in the Process Industries, 2020, 63, 103999. | 3.3 | 12 |
| 4 | Blind-prediction: Estimating the consequences of vented hydrogen deflagrations for inhomogeneous mixtures in 20-foot ISO containers. Journal of Loss Prevention in the Process Industries, 2019, 61, 220-236. | 3.3 | 17 |
| 5 | A brief review on the effect of particle size on the laminar burning velocity of flammable dust: Application in a CFD tool for industrial applications. Journal of Loss Prevention in the Process Industries, 2019, 62, 103929. | 3.3 | 6 |
| 6 | Structural response for vented hydrogen deflagrations: Coupling CFD and FE tools. International Journal of Hydrogen Energy, 2019, 44, 8893-8903. | 7.1 | 14 |
| 7 | Blind-prediction: Estimating the consequences of vented hydrogen deflagrations for homogeneous mixtures in 20-foot ISO containers. International Journal of Hydrogen Energy, 2019, 44, 8997-9008. | 7.1 | 15 |
| 8 | Vented hydrogen deflagrations in containers: Effect of congestion for homogeneous and inhomogeneous mixtures. International Journal of Hydrogen Energy, 2019, 44, 8819-8832. | 7.1 | 34 |
| 9 | Consequence models for vented hydrogen deflagrations: CFD vs. engineering models. International Journal of Hydrogen Energy, 2019, 44, 8699-8710. | 7.1 | 20 |
| 10 | Dust explosion modeling: Status and prospects. Particulate Science and Technology, 2018, 36, 489-500. | 2.1 | 7 |
| 11 | Fires and explosions. Progress in Energy and Combustion Science, 2018, 64, 2-3. | 31.2 | 20 |
| 12 | Construction of a 36â€¯L dust explosion apparatus and turbulence flow field comparison with a standard 20â€¯L dust explosion vessel. Journal of Loss Prevention in the Process Industries, 2018, 55, 113-123. | 3.3 | 17 |
| 13 | 3D risk management for hydrogen installations. International Journal of Hydrogen Energy, 2017, 42, 7721-7730. | 7.1 | 37 |
| 14 | Evaluation of multi-phase atmospheric dispersion models for application to Carbon Capture and Storage. Journal of Loss Prevention in the Process Industries, 2014, 32, 286-298. | 3.3 | 35 |
| 15 | An integrated, multi-scale modelling approach for the simulation of multiphase dispersion from accidental CO2 pipeline releases in realistic terrain. International Journal of Greenhouse Gas Control, 2014, 27, 221-238. | 4.6 | 40 |
| 16 | Experimental and numerical investigation of constant volume dust and gas explosions in a 3.6-mÂflame acceleration tube. Journal of Loss Prevention in the Process Industries, 2014, 30, 164-176. | 3.3 | 21 |
| 17 | On the Application of the Levenbergâ€"Marquardt Method in Conjunction with an Explicit Rungeâ€"Kutta and an Implicit Rosenbrock Method to Assess Burning Velocities from Confined Deflagrations. Flow, Turbulence and Combustion, 2013, 91, 281-317. | 2.6 | 16 |
| 18 | A constant pressure dust explosion experiment. Journal of Loss Prevention in the Process Industries, 2013, 26, 562-570. | 3.3 | 17 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Explosions of carbon black and propane hybrid mixtures. Journal of Loss Prevention in the Process Industries, 2013, 26, 45-51. | 3.3 | 22 |
| 20 | Validation of the DESC Code in Simulating the Effect of Vent Ducts on Dust Explosions. Industrial & Engineering Chemistry Research, 2013, 52, 6057-6067. | 3.7 | 15 |
| 21 | Investigation of an explosion in a gasoline purification plant. Process Safety Progress, 2013, 32, 268-276. | 1.0 | 3 |
| 22 | Review of the DESC project. Journal of Loss Prevention in the Process Industries, 2007, 20, 291-302. | 3.3 | 55 |
| 23 | Determination of the maximum effective burning velocity of dustâ€“air mixtures in constant volume combustion. Journal of Loss Prevention in the Process Industries, 2007, 20, 462-469. | 3.3 | 24 |
| 24 | Simulation of dust explosions in complex geometries with experimental input from standardized tests. Journal of Loss Prevention in the Process Industries, 2006, 19, 210-217. | 3.3 | 39 |
| 25 | Simulating Dust Explosions with the First Version of DESC. Chemical Engineering Research and Design, 2005, 83, 151-160. | 5.6 | 49 |