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# Novel gas holdup correlation for slurry bubble column reactors operated in the homogeneous regime

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## Highlights

- A gas holdup correlation for slurry reactors operated in the homogeneous regime was developed
- The correlation is also applicable for systems operated at elevated pressure and temperature
- The correlation is based on 1,199 data points (own measurements and literature data)
- The correlation was validated with measurements which were not used to fit the correlation
- An excel file for using the developed correlation can be found in the supplementary material

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