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Peng, Daili

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List of publications

D. Peng, F. Picchioni, Prediction of toxicity of Ionic Liquids based on GC-COSMO method, *J. Hazard. Mater.* **2020**, 398, 122964-122975.

D. Peng, D. P. Horvat, and F. Picchioni, Computer-aided ionic liquids design and experimental validation for benzene-cyclohexane separation, *Ind. Eng. Chem. Res.* **2021**, 60, 13, 4951-4961.

D. Peng, F. Picchioni, Biogas upgrading — computer-aided ionic liquid absorbent design and process evaluation. Manuscript in preparation.

D. Peng, A. J. Kleiweg, J.G.M. Winkelman, Z. Song, and F. Picchioni, A hierarchical hybrid method for screening ionic liquid solvents for extractions exemplified by the extractive desulfurization process, *ACS Sustain. Chem. Eng.* **2021**, 9, 7, 2705-2716.