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(54) Title: SELECTING RESINS FOR USE IN CHROMATOGRAPHY PURIFICATION PROCESSES

(57) Abstract: A method of selecting raw materials for use in a column chromatography purification process in which, for each of one or more candidate resins, a respective set of resin attribute values is received, including at least one analytical measurement of the candidate resin. The method also includes, for each candidate resin, predicting a respective value of a performance indicator for the column chromatography purification process by applying the respective set of resin attribute values, and possibly other parameter values (e.g., harvest filtrate and/or purification process parameters) as inputs to a multivariate statistical model. The method further includes selecting a resin of the one or more candidate resins based at least in part on the predicted respective value(s) of the performance indicator, and performing the column chromatography purification process using the selected resin as a stationary phase.



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