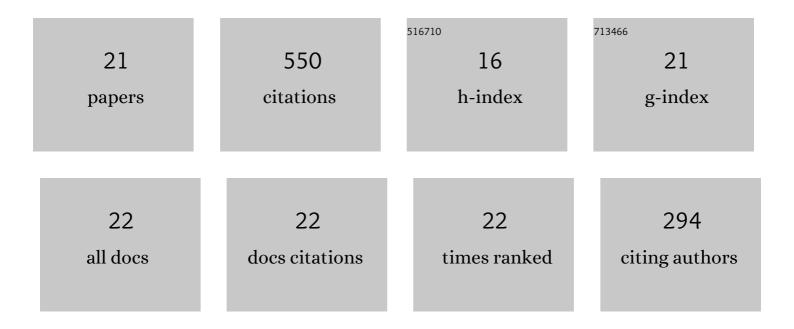
Tobias Hahn

List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Modeling the Gibbs–Donnan effect during ultrafiltration and diafiltration processes using the Poisson〓Boltzmann theory in combination with a basic Stern model. Journal of Membrane Science, 2022, 648, 120333. | 8.2 | 15 |
| 2 | Analysis of complex protein elution behavior in preparative ion exchange processes using a colloidal particle adsorption model. Journal of Chromatography A, 2021, 1654, 462439. | 3.7 | 16 |
| 3 | Protein adsorption on ion exchange adsorbers: A comparison of a stoichiometric and non-stoichiometric modeling approach. Journal of Chromatography A, 2021, 1653, 462397. | 3.7 | 21 |
| 4 | Adsorption of colloidal proteins in ion-exchange chromatography under consideration of charge regulation. Journal of Chromatography A, 2020, 1611, 460608. | 3.7 | 11 |
| 5 | Toward in silico CMC: An industrial collaborative approach to modelâ€based process development. Biotechnology and Bioengineering, 2020, 117, 3986-4000. | 3.3 | 26 |
| 6 | Good modeling practice for industrial chromatography: Mechanistic modeling of ion exchange chromatography of a bispecific antibody. Computers and Chemical Engineering, 2019, 130, 106532. | 3.8 | 42 |
| 7 | Estimation of adsorption isotherm and mass transfer parameters in protein chromatography using artificial neural networks. Journal of Chromatography A, 2017, 1487, 211-217. | 3.7 | 42 |
| 8 | Modeling of complex antibody elution behavior under high protein load densities in ion exchange chromatography using an asymmetric activity coefficient. Biotechnology Journal, 2017, 12, 1600336. | 3.5 | 24 |
| 9 | Root cause investigation of deviations in protein chromatography based on mechanistic models and artificial neural networks. Journal of Chromatography A, 2017, 1515, 146-153. | 3.7 | 27 |
| 10 | Deconvolution of highâ€ŧhroughput multicomponent isotherms using multivariate data analysis of protein spectra. Engineering in Life Sciences, 2016, 16, 194-201. | 3.6 | 7 |
| 11 | Application of spectral deconvolution and inverse mechanistic modelling as a tool for root cause investigation in protein chromatography. Journal of Chromatography A, 2016, 1437, 158-167. | 3.7 | 20 |
| 12 | Water on hydrophobic surfaces: Mechanistic modeling of hydrophobic interaction chromatography. Journal of Chromatography A, 2016, 1465, 71-78. | 3.7 | 27 |
| 13 | A mechanistic model of ion-exchange chromatography on polymer fiber stationary phases. Journal of Chromatography A, 2016, 1475, 18-30. | 3.7 | 12 |
| 14 | A versatile noninvasive method for adsorber quantification in batch and column chromatography based on the ionic capacity. Biotechnology Progress, 2016, 32, 666-677. | 2.6 | 22 |
| 15 | UV absorptionâ€based inverse modeling of protein chromatography. Engineering in Life Sciences, 2016, 16, 99-106. | 3.6 | 33 |
| 16 | Calibrationâ€free inverse modeling of ionâ€exchange chromatography in industrial antibody purification. Engineering in Life Sciences, 2016, 16, 107-113. | 3.6 | 21 |
| 17 | Modeling and simulation of anion-exchange membrane chromatography for purification of Sf9 insect cell-derived virus-like particles. Journal of Chromatography A, 2016, 1429, 142-154. | 3.7 | 31 |
| 18 | Highâ€ŧhroughput microâ€scale cultivations and chromatography modeling: Powerful tools for integrated process development. Biotechnology and Bioengineering, 2015, 112, 2123-2133. | 3.3 | 21 |

Τοβιάς Ηλην

| # | Article | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Simulating and Optimizing Preparative Protein Chromatography with ChromX. Journal of Chemical Education, 2015, 92, 1497-1502. | 2.3 | 44 |
| 20 | Adjoint-based estimation and optimization for column liquid chromatography models. Computers and Chemical Engineering, 2014, 64, 41-54. | 3.8 | 32 |
| 21 | Model-based integrated optimization and evaluation of a multi-step ion exchange chromatography. Separation and Purification Technology, 2014, 136, 207-222. | 7.9 | 56 |