Thomas MÃ¼ller-SpÃ¤th

List of Publications by Year
in descending order

17 papers	880 citations	933447 10 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	351 citing authors

#	Article	IF	Citations
1	Twin-column CaptureSMB: A novel cyclic process for protein A affinity chromatography. Journal of Chromatography A, 2015, 1389, 85-95.	3.7	138
2	Comparison of batch and continuous multiâ€column protein A capture processes by optimal design. Biotechnology Journal, 2016, 11, 920-931.	3.5	120
3	Continuous counterâ€current chromatography for capture and polishing steps in biopharmaceutical production. Biotechnology Journal, 2016, 11, 1126-1141.	3.5	117
4	Chromatographic separation of three monoclonal antibody variants using multicolumn countercurrent solvent gradient purification (MCSGP). Biotechnology and Bioengineering, 2008, 100, 1166-1177.	3.3	114
5	Optimal modelâ€based design of the twinâ€column CaptureSMB process improves capacity utilization and productivity in protein A affinity capture. Biotechnology Journal, 2016, 11, 135-145.	3.5	96
6	Model based adaptive control of a continuous capture process for monoclonal antibodies production. Journal of Chromatography A, 2016, 1444, 50-56.	3.7	89
7	multifraction separation in countercurrent chromatography (MCSGP). Biotechnology and Bioengineering, 2013, 110, 2436-2444.	3.3	59
8	Role of Cleaning-in-Place in the Purification of mAb Supernatants Using Continuous Cation Exchange Chromatography. Separation Science and Technology, 2009, 44, 1-26.	2.5	41
9	Oligonucleotides: Current Trends and Innovative Applications in the Synthesis, Characterization, and Purification. Biotechnology Journal, 2020, 15, e1900226.	3.5	32
10	Design space and robustness analysis of batch and counter-current frontal chromatography processes for the removal of antibody aggregates. Journal of Chromatography A, 2020, 1619, 460943.	3.7	22
11	Role of urea on recombinant Apo A-I stability and its utilization in anion exchange chromatography. Journal of Chromatography A, 2014, 1354, 18-25.	3.7	15
12	Purification of Human Monoclonal Antibodies and Their Fragments. Methods in Molecular Biology, 2019, 1904, 163-188.	0.9	8
13	Purification of a GalNAc-cluster-conjugated oligonucleotide by reversed-phase twin-column continuous chromatography. Journal of Chromatography A, 2022, 1663, 462734.	3.7	8
14	Purification of Human Monoclonal Antibodies and Their Fragments. Methods in Molecular Biology, 2014, 1060, 331-351.	0.9	6
15	Continuous countercurrent chromatographic twinâ€column purification of oligonucleotides: The role of the displacement effect. Biotechnology and Bioengineering, 2022, 119, 1861-1872.	3.3	5
16	Enrichment and purification of peptide impurities using twin-column continuous chromatography. Journal of Chromatography A, 2022, 1667, 462894.	3.7	4
17	Continuous Chromatography for the Purification of Monoclonal Antibodies. , 0, , 223-238.		1