Ricardo J S Silva

List of Publications by Year
in descending order

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26 papers	609 citations	687363 13 h-index	610901 24 g-index
26 all docs	26 docs citations	26 times ranked	521 citing authors

#	Article	IF	Citations
1	Improved virus purification processes for vaccines and gene therapy. Biotechnology and Bioengineering, 2015, 112, 843-857.	3.3	105
2	Current challenges in biotherapeutic particles manufacturing. Expert Opinion on Biological Therapy, 2020, 20, 451-465.	3.1	70
3	Adenovirus purification by two-column, size-exclusion, simulated countercurrent chromatography. Journal of Chromatography A, 2014, 1347, 111-121.	3.7	48
4	Exploring continuous and integrated strategies for the up- and downstream processing of human mesenchymal stem cells. Journal of Biotechnology, 2015, 213, 97-108.	3.8	47
5	A new multicolumn, open-loop process for center-cut separation by solvent-gradient chromatography. Journal of Chromatography A, 2010, 1217, 8257-8269.	3.7	37
6	Robust design of adenovirus purification by two-column, simulated moving-bed, size-exclusion chromatography. Journal of Biotechnology, 2015, 213, 109-119.	3.8	35
7	Membraneâ€Based Approach for the Downstream Processing of Influenza Virusâ€Like Particles. Biotechnology Journal, 2019, 14, e1800570.	3.5	32
8	Streamlined, two-column, simulated countercurrent chromatography for binary separation. Journal of Chromatography A, 2010, 1217, 3382-3391.	3.7	24
9	Clinical-Grade Oncolytic Adenovirus Purification Using Polysorbate 20 as an Alternative for Cell Lysis. Current Gene Therapy, 2018, 18, 366-374.	2.0	22
10	Exosome-based therapeutics: Purification using semi-continuous multi-column chromatography. Separation and Purification Technology, 2019, 224, 515-523.	7.9	22
11	Efficient filtration strategies for the clarification of influenza virus-like particles derived from insect cells. Separation and Purification Technology, 2019, 218, 81-88.	7.9	21
12	Relay simulated moving bed chromatography: Concept and design criteria. Journal of Chromatography A, 2012, 1260, 132-142.	3.7	20
13	3D-printed ordered bed structures for chromatographic purification of enveloped and non-enveloped viral particles. Separation and Purification Technology, 2021, 254, 117681.	7.9	20
14	Single-Column Simulated Moving-Bed Process with Recycle Lag: Analysis and Applications. Adsorption Science and Technology, 2007, 25, 647-659.	3.2	14
15	Improving the downstream processing of vaccine and gene therapy vectors with continuous chromatography. Pharmaceutical Bioprocessing, 2015, 3, 489-505.	0.8	14
16	Development, Construction, and Operation of a Multisample Volumetric Apparatus for the Study of Gas Adsorption Equilibrium. Journal of Chemical Education, 2015, 92, 757-761.	2.3	13
17	Improving washing strategies of human mesenchymal stem cells using negative mode expanded bed chromatography. Journal of Chromatography A, 2016, 1429, 292-303.	3.7	12
18	Downstream processing for influenza vaccines and candidates: An update. Biotechnology and Bioengineering, 2021, 118, 2845-2869.	3.3	9

#	Article	IF	Citations
19	Continuous Affinity Purification of Adeno-Associated Virus Using Periodic Counter-Current Chromatography. Pharmaceutics, 2022, 14, 1346.	4.5	9
20	Baculovirus affinity removal in viral-based bioprocesses. Separation and Purification Technology, 2020, 241, 116693.	7.9	8
21	Oncolytic virus purification with periodic counterâ€current chromatography. Biotechnology and Bioengineering, 2021, 118, 3522-3532.	3.3	8
22	Continuous Chromatography Purification of Virus-Based Biopharmaceuticals: A Shortcut Design Method. Methods in Molecular Biology, 2020, 2095, 367-384.	0.9	6
23	Bioanalytics for Influenza Virus-Like Particle Characterization and Process Monitoring. Frontiers in Bioengineering and Biotechnology, 2022, 10, 805176.	4.1	4
24	A Sensitive Method Approach for Chromatographic Analysis of Gas Streams in Separation Processes Based on Columns Packed with an Adsorbent Material. Advances in Materials Science and Engineering, 2016, 2016, 1-9.	1.8	3
25	Finding the design space of a filtration-based operation for the concentration of human pluripotent stem cells. Journal of Membrane Science, 2017, 542, 399-407.	8.2	3
26	A Flow-Through Chromatographic Strategy for Hepatitis C Virus-Like Particles Purification. Processes, 2020, 8, 85.	2.8	3