

Ricardo J S Silva

List of Publications by Year in descending order

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26
papers

609
citations

687363

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26
times ranked

521
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioanalytics for Influenza Virus-Like Particle Characterization and Process Monitoring. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 805176.	4.1	4
2	Continuous Affinity Purification of Adeno-Associated Virus Using Periodic Counter-Current Chromatography. <i>Pharmaceutics</i> , 2022, 14, 1346.	4.5	9
3	3D-printed ordered bed structures for chromatographic purification of enveloped and non-enveloped viral particles. <i>Separation and Purification Technology</i> , 2021, 254, 117681.	7.9	20
4	Oncolytic virus purification with periodic counter-current chromatography. <i>Biotechnology and Bioengineering</i> , 2021, 118, 3522-3532.	3.3	8
5	Downstream processing for influenza vaccines and candidates: An update. <i>Biotechnology and Bioengineering</i> , 2021, 118, 2845-2869.	3.3	9
6	Current challenges in biotherapeutic particles manufacturing. <i>Expert Opinion on Biological Therapy</i> , 2020, 20, 451-465.	3.1	70
7	Baculovirus affinity removal in viral-based bioprocesses. <i>Separation and Purification Technology</i> , 2020, 241, 116693.	7.9	8
8	A Flow-Through Chromatographic Strategy for Hepatitis C Virus-Like Particles Purification. <i>Processes</i> , 2020, 8, 85.	2.8	3
9	Continuous Chromatography Purification of Virus-Based Biopharmaceuticals: A Shortcut Design Method. <i>Methods in Molecular Biology</i> , 2020, 2095, 367-384.	0.9	6
10	Membrane-Based Approach for the Downstream Processing of Influenza Virus-Like Particles. <i>Biotechnology Journal</i> , 2019, 14, e1800570.	3.5	32
11	Exosome-based therapeutics: Purification using semi-continuous multi-column chromatography. <i>Separation and Purification Technology</i> , 2019, 224, 515-523.	7.9	22
12	Efficient filtration strategies for the clarification of influenza virus-like particles derived from insect cells. <i>Separation and Purification Technology</i> , 2019, 218, 81-88.	7.9	21
13	Clinical-Grade Oncolytic Adenovirus Purification Using Polysorbate 20 as an Alternative for Cell Lysis. <i>Current Gene Therapy</i> , 2018, 18, 366-374.	2.0	22
14	Finding the design space of a filtration-based operation for the concentration of human pluripotent stem cells. <i>Journal of Membrane Science</i> , 2017, 542, 399-407.	8.2	3
15	A Sensitive Method Approach for Chromatographic Analysis of Gas Streams in Separation Processes Based on Columns Packed with an Adsorbent Material. <i>Advances in Materials Science and Engineering</i> , 2016, 2016, 1-9.	1.8	3
16	Improving washing strategies of human mesenchymal stem cells using negative mode expanded bed chromatography. <i>Journal of Chromatography A</i> , 2016, 1429, 292-303.	3.7	12
17	Improving the downstream processing of vaccine and gene therapy vectors with continuous chromatography. <i>Pharmaceutical Bioprocessing</i> , 2015, 3, 489-505.	0.8	14
18	Development, Construction, and Operation of a Multisample Volumetric Apparatus for the Study of Gas Adsorption Equilibrium. <i>Journal of Chemical Education</i> , 2015, 92, 757-761.	2.3	13

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19	Improved virus purification processes for vaccines and gene therapy. <i>Biotechnology and Bioengineering</i> , 2015, 112, 843-857.	3.3	105
20	Exploring continuous and integrated strategies for the up- and downstream processing of human mesenchymal stem cells. <i>Journal of Biotechnology</i> , 2015, 213, 97-108.	3.8	47
21	Robust design of adenovirus purification by two-column, simulated moving-bed, size-exclusion chromatography. <i>Journal of Biotechnology</i> , 2015, 213, 109-119.	3.8	35
22	Adenovirus purification by two-column, size-exclusion, simulated countercurrent chromatography. <i>Journal of Chromatography A</i> , 2014, 1347, 111-121.	3.7	48
23	Relay simulated moving bed chromatography: Concept and design criteria. <i>Journal of Chromatography A</i> , 2012, 1260, 132-142.	3.7	20
24	Streamlined, two-column, simulated countercurrent chromatography for binary separation. <i>Journal of Chromatography A</i> , 2010, 1217, 3382-3391.	3.7	24
25	A new multicolumn, open-loop process for center-cut separation by solvent-gradient chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 8257-8269.	3.7	37
26	Single-Column Simulated Moving-Bed Process with Recycle Lag: Analysis and Applications. <i>Adsorption Science and Technology</i> , 2007, 25, 647-659.	3.2	14