

João Antônio Queiroz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3878377/publications.pdf>

Version: 2024-02-01

277
papers

8,105
citations

57719

44
h-index

85498

71
g-index

286
all docs

286
docs citations

286
times ranked

8362
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophobic interaction chromatography of proteins. <i>Journal of Biotechnology</i> , 2001, 87, 143-159.	1.9	351
2	Coriander (<i>Coriandrum sativum</i> L.) essential oil: its antibacterial activity and mode of action evaluated by flow cytometry. <i>Journal of Medical Microbiology</i> , 2011, 60, 1479-1486.	0.7	212
3	G-quadruplex, Friend or Foe: The Role of the G-quartet in Anticancer Strategies. <i>Trends in Molecular Medicine</i> , 2020, 26, 848-861.	3.5	181
4	The influence of culture conditions on mycelial structure and cellulase production by <i>Trichoderma reesei</i> Rut C-30. <i>Enzyme and Microbial Technology</i> , 2000, 26, 394-401.	1.6	172
5	Response surface optimization of enzymatic hydrolysis of <i>Cistus ladanifer</i> and <i>Cytisus striatus</i> for bioethanol production. <i>Biochemical Engineering Journal</i> , 2009, 45, 192-200.	1.8	172
6	Chromatography of plasmid DNA. <i>Journal of Chromatography A</i> , 2005, 1069, 3-22.	1.8	165
7	The role of alternative specimens in toxicological analysis. <i>Biomedical Chromatography</i> , 2008, 22, 795-821.	0.8	163
8	Antimicrobial activity and effects of resveratrol on human pathogenic bacteria. <i>World Journal of Microbiology and Biotechnology</i> , 2010, 26, 1533-1538.	1.7	163
9	Evaluating metabolic stress and plasmid stability in plasmid DNA production by <i>Escherichia coli</i> . <i>Biotechnology Advances</i> , 2012, 30, 691-708.	6.0	148
10	Insights in the pathogenesis and resistance of <i>Arcobacter</i> : A review. <i>Critical Reviews in Microbiology</i> , 2016, 42, 1-20.	2.7	139
11	Affinity chromatography approaches to overcome the challenges of purifying plasmid DNA. <i>Trends in Biotechnology</i> , 2008, 26, 518-525.	4.9	105
12	Assessment of purity and quantification of plasmid DNA in process solutions using high-performance hydrophobic interaction chromatography. <i>Journal of Chromatography A</i> , 2003, 998, 109-117.	1.8	87
13	Genetic diversity, antibiotic resistance and biofilm-forming ability of <i>Arcobacter butzleri</i> isolated from poultry and environment from a Portuguese slaughterhouse. <i>International Journal of Food Microbiology</i> , 2013, 162, 82-88.	2.1	85
14	Production, purification and analysis of an experimental DNA vaccine against rabies. <i>Journal of Gene Medicine</i> , 2001, 3, 577-584.	1.4	82
15	Incorporation of antimicrobial peptides on functionalized cotton gauzes for medical applications. <i>Carbohydrate Polymers</i> , 2015, 127, 451-461.	5.1	80
16	Recombinant pre-miR-29b for Alzheimer's disease therapeutics. <i>Scientific Reports</i> , 2016, 6, 19946.	1.6	79
17	Bacteriostatic versus bactericidal activity of ciprofloxacin in <i>Escherichia coli</i> assessed by flow cytometry using a novel far-red dye. <i>Journal of Antibiotics</i> , 2011, 64, 321-325.	1.0	77
18	Poly(2-ethyl-2-oxazoline)-b-PLA-g-PEI amphiphilic triblock micelles for co-delivery of minicircle DNA and chemotherapeutics. <i>Journal of Controlled Release</i> , 2014, 189, 90-104.	4.8	75

#	ARTICLE	IF	CITATIONS
19	Bioreducible poly(2-ethyl-2-oxazoline)-PLA-PEI-SS triblock copolymer micelles for co-delivery of DNA minicircles and Doxorubicin. <i>Journal of Controlled Release</i> , 2015, 213, 175-191.	4.8	75
20	Improvement of transfection efficiency by using supercoiled plasmid DNA purified with arginine affinity chromatography. <i>Journal of Gene Medicine</i> , 2009, 11, 79-88.	1.4	73
21	Determination of seven selected antipsychotic drugs in human plasma using microextraction in packed sorbent and gas chromatography-tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 3953-3963.	1.9	73
22	Minicircle DNA vectors for gene therapy: advances and applications. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 353-379.	1.4	73
23	Aptamer-based Targeted Delivery of a G-quadruplex Ligand in Cervical Cancer Cells. <i>Scientific Reports</i> , 2019, 9, 7945.	1.6	73
24	Selective purification of supercoiled plasmid DNA from clarified cell lysates with a single histidine-agarose chromatography step. <i>Biotechnology and Applied Biochemistry</i> , 2006, 45, 131.	1.4	71
25	Layer-by-layer deposition of antimicrobial polymers on cellulosic fibers: a new strategy to develop bioactive textiles. <i>Polymers for Advanced Technologies</i> , 2013, 24, 1005-1010.	1.6	71
26	Nanoparticle mediated delivery of pure P53 supercoiled plasmid DNA for gene therapy. <i>Journal of Controlled Release</i> , 2011, 156, 212-222.	4.8	63
27	Formulation of chitosan-TPP-pDNA nanocapsules for gene therapy applications. <i>Nanotechnology</i> , 2011, 22, 015101.	1.3	62
28	Hair: a complementary source of bioanalytical information in forensic toxicology. <i>Bioanalysis</i> , 2011, 3, 67-79.	0.6	61
29	The anti-Candida activity of <i>Thymbra capitata</i> essential oil: Effect upon pre-formed biofilm. <i>Journal of Ethnopharmacology</i> , 2012, 140, 379-383.	2.0	59
30	Anti-Helicobacter pylori and urease inhibitory activities of resveratrol and red wine. <i>Food Research International</i> , 2011, 44, 964-969.	2.9	58
31	Specific recognition of supercoiled plasmid DNA in arginine affinity chromatography. <i>Analytical Biochemistry</i> , 2008, 374, 432-434.	1.1	57
32	Cervical cancer and HPV infection: ongoing therapeutic research to counteract the action of E6 and E7 oncoproteins. <i>Drug Discovery Today</i> , 2019, 24, 2044-2057.	3.2	57
33	Ribonucleic acid purification. <i>Journal of Chromatography A</i> , 2014, 1355, 1-14.	1.8	54
34	Circular Dichroism of G-Quadruplex: a Laboratory Experiment for the Study of Topology and Ligand Binding. <i>Journal of Chemical Education</i> , 2017, 94, 1547-1551.	1.1	54
35	Anti-Candida Activity of Essential Oils. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 1292-1305.	1.1	53
36	Advances in chromatographic supports for pharmaceutical-grade plasmid DNA purification. <i>Journal of Separation Science</i> , 2012, 35, 3046-3058.	1.3	53

#	ARTICLE	IF	CITATIONS
37	Resveratrol against <i>Arcobacter butzleri</i> and <i>Arcobacter cryaerophilus</i> : Activity and effect on cellular functions. <i>International Journal of Food Microbiology</i> , 2014, 180, 62-68.	2.1	53
38	Anti-biofilm activity of low-molecular weight chitosan hydrogel against <i>Candida</i> species. <i>Medical Microbiology and Immunology</i> , 2014, 203, 25-33.	2.6	53
39	Separation of supercoiled and open circular plasmid DNA isoforms by chromatography with a histidine-agarose support. <i>Analytical Biochemistry</i> , 2005, 343, 183-185.	1.1	51
40	Study of hydrophobic interaction adsorption of bovine serum albumin under overloaded conditions using flow microcalorimetry. <i>Journal of Chromatography A</i> , 1999, 865, 111-122.	1.8	50
41	Folate-Targeted Multifunctional Amino Acid-Chitosan Nanoparticles for Improved Cancer Therapy. <i>Pharmaceutical Research</i> , 2015, 32, 562-577.	1.7	48
42	Studies on the retention of plasmid DNA and <i>Escherichia coli</i> nucleic acids by hydrophobic interaction chromatography. <i>Bioseparation</i> , 2001, 10, 211-220.	0.7	46
43	Simultaneous quantitation of morphine, 6-acetylmorphine, codeine, 6-acetylcodeine and tramadol in hair using mixed-mode solid-phase extraction and gas chromatography-mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 3059-3069.	1.9	46
44	Analysis of phenylpiperazine-like stimulants in human hair as trimethylsilyl derivatives by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2010, 1217, 6274-6280.	1.8	45
45	<i>Pichia pastoris</i> : A Recombinant Microfactory for Antibodies and Human Membrane Proteins. <i>Journal of Microbiology and Biotechnology</i> , 2013, 23, 587-601.	0.9	45
46	Current technologies and considerations for drug bioanalysis in oral fluid. <i>Bioanalysis</i> , 2009, 1, 637-667.	0.6	44
47	Bioanalytical procedures and recent developments in the determination of opiates/opioids in human biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 1665-1690.	1.9	44
48	Role of microextraction sampling procedures in forensic toxicology. <i>Bioanalysis</i> , 2012, 4, 1805-1826.	0.6	44
49	A critical review of microextraction by packed sorbent as a sample preparation approach in drug bioanalysis. <i>Bioanalysis</i> , 2013, 5, 1409-1442.	0.6	44
50	Separation and Analysis of Plasmid Denatured Forms Using Hydrophobic Interaction Chromatography. <i>Analytical Biochemistry</i> , 1999, 275, 122-124.	1.1	43
51	Anti- <i>Candida</i> ; Activity of a Chitosan Hydrogel: Mechanism of Action and Cytotoxicity Profile. <i>Gynecologic and Obstetric Investigation</i> , 2010, 70, 322-327.	0.7	42
52	Dynamic binding capacity of plasmid DNA in histidine-agarose chromatography. <i>Biomedical Chromatography</i> , 2007, 21, 993-998.	0.8	41
53	Gel Network Photodisruption: A New Strategy for the Codelivery of Plasmid DNA and Drugs. <i>Langmuir</i> , 2011, 27, 13780-13789.	1.6	41
54	Fluorescent light-up acridine orange derivatives bind and stabilize KRAS-22RT G-quadruplex. <i>Biochimie</i> , 2018, 144, 144-152.	1.3	41

#	ARTICLE	IF	CITATIONS
55	Differential interactions of plasmid DNA, RNA and genomic DNA with amino acid-based affinity matrices. <i>Journal of Separation Science</i> , 2010, 33, 2610-2618.	1.3	40
56	Molecular diagnosis of <i>Arcobacter</i> and <i>Campylobacter</i> in diarrhoeal samples among Portuguese patients. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014, 78, 220-225.	0.8	40
57	Genotypic and phenotypic features of <i>Arcobacter butzleri</i> pathogenicity. <i>Microbial Pathogenesis</i> , 2014, 76, 19-25.	1.3	40
58	Effect of salts and temperature on the adsorption of bovine serum albumin on polypropylene glycol-Sepharose under linear and overloaded chromatographic conditions. <i>Journal of Chromatography A</i> , 2003, 1018, 137-153.	1.8	39
59	Development and validation of an analytical method for the simultaneous determination of cocaine and its main metabolite, benzoylecgonine, in human hair by gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 3320-3326.	0.7	39
60	Gas-generating TPCS-PLGA microspheres loaded with nanoparticles (NIMPS) for co-delivery of minicircle DNA and anti-tumoral drugs. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 134, 287-294.	2.5	39
61	Pyrolysis-GC/MS and TG/MS study of mediated laccase biodelignification of <i>Eucalyptus globulus</i> kraft pulp. <i>Journal of Analytical and Applied Pyrolysis</i> , 2007, 78, 233-242.	2.6	38
62	Bioanalytical methods for the determination of cocaine and metabolites in human biological samples. <i>Bioanalysis</i> , 2009, 1, 977-1000.	0.6	38
63	Layer-by-Layer Deposition of Antibacterial Polyelectrolytes on Cotton Fibres. <i>Journal of Polymers and the Environment</i> , 2012, 20, 1084-1094.	2.4	38
64	Isolation of PCR DNA fragments using aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2014, 122, 144-148.	3.9	36
65	LC-MS: a powerful tool in workplace drug testing. <i>Drug Testing and Analysis</i> , 2009, 1, 109-115.	1.6	35
66	Determination of piperazine-type stimulants in human urine by means of microextraction in packed sorbent and high performance liquid chromatography-diode array detection. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 61, 93-99.	1.4	35
67	Purification of human papillomavirus 16 E6/E7 plasmid deoxyribonucleic acid-based vaccine using an arginine modified monolithic support. <i>Journal of Chromatography A</i> , 2013, 1320, 72-79.	1.8	35
68	Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 1397-1400.	1.1	34
69	Development and Validation of an Analytical Method for the Determination of trans- and cis-Resveratrol in Wine: Analysis of Its Contents in 186 Portuguese Red Wines. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 2157-2168.	2.4	34
70	Phthalocyanines for G-quadruplex aptamers binding. <i>Bioorganic Chemistry</i> , 2020, 100, 103920.	2.0	34
71	Amino acids-nucleotides biomolecular recognition: from biological occurrence to affinity chromatography. <i>Journal of Molecular Recognition</i> , 2010, 23, 505-518.	1.1	33
72	Successful application of monolithic innovative technology using a carbonyldiimidazole disk to purify supercoiled plasmid DNA suitable for pharmaceutical applications. <i>Journal of Chromatography A</i> , 2011, 1218, 8333-8343.	1.8	33

#	ARTICLE	IF	CITATIONS
73	An evaluation of the potential of <i>Acacia dealbata</i> as raw material for bioethanol production. <i>Bioresource Technology</i> , 2011, 102, 4766-4773.	4.8	33
74	Rapid determination of piperazine-type stimulants in human urine by microextraction in packed sorbent after method optimization using a multivariate approach. <i>Journal of Chromatography A</i> , 2012, 1222, 116-120.	1.8	33
75	Screening of antimicrobial activity of <i>Cistus ladanifer</i> and <i>Arbutus unedo</i> extracts. <i>Natural Product Research</i> , 2012, 26, 1558-1560.	1.0	32
76	Purification of pre-miR-29 by arginine-affinity chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 951-952, 16-23.	1.2	32
77	Vitreous humor in the pathologic scope: Insights from proteomic approaches. <i>Proteomics - Clinical Applications</i> , 2015, 9, 187-202.	0.8	31
78	Aptamer-guided acridine derivatives for cervical cancer. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2992-3002.	1.5	31
79	Histidine affinity chromatography of homo-oligonucleotides. Role of multiple interactions on retention. <i>Biomedical Chromatography</i> , 2009, 23, 745-753.	0.8	30
80	Plasmid DNA purification using a multimodal chromatography resin. <i>Journal of Molecular Recognition</i> , 2014, 27, 184-189.	1.1	30
81	Trends in Protein-Based Biosensor Assemblies for Drug Screening and Pharmaceutical Kinetic Studies. <i>Molecules</i> , 2014, 19, 12461-12485.	1.7	30
82	Performance of a non-grafted monolithic support for purification of supercoiled plasmid DNA. <i>Journal of Chromatography A</i> , 2011, 1218, 1701-1706.	1.8	29
83	Swelling behavior of a new biocompatible plasmid DNA hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 106-112.	2.5	29
84	AS1411 derivatives as carriers of G-quadruplex ligands for cervical cancer cells. <i>International Journal of Pharmaceutics</i> , 2019, 568, 118511.	2.6	29
85	Non-coding RNAs: Emerging from the discovery to therapeutic applications. <i>Biochemical Pharmacology</i> , 2021, 189, 114469.	2.0	29
86	Biorecognition of supercoiled plasmid DNA isoform in lysine-affinity chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3257-3260.	1.2	28
87	Influence of Growth Conditions on Plasmid DNA Production. <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 1408-14.	0.9	28
88	Analytical approach to determine biogenic amines in urine using microextraction in packed syringe and liquid chromatography coupled to electrochemical detection. <i>Biomedical Chromatography</i> , 2013, 27, 608-614.	0.8	28
89	Trends in proteomic analysis of human vitreous humor samples. <i>Electrophoresis</i> , 2014, 35, 2495-2508.	1.3	28
90	Rhodamine based plasmid DNA nanoparticles for mitochondrial gene therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 129-140.	2.5	28

#	ARTICLE	IF	CITATIONS
91	Mitochondrial Gene Therapy: Advances in Mitochondrial Gene Cloning, Plasmid Production, and Nanosystems Targeted to Mitochondria. <i>Molecular Pharmaceutics</i> , 2017, 14, 626-638.	2.3	28
92	RNA G-quadruplex as supramolecular carrier for cancer-selective delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 473-479.	2.0	28
93	p53 as the Focus of Gene Therapy: Past, Present and Future. <i>Current Drug Targets</i> , 2018, 19, 1801-1817.	1.0	28
94	Hydrophobic interaction chromatography of <i>Chromobacterium viscosum</i> lipase on polyethylene glycol immobilized on Sepharose. <i>Journal of Chromatography A</i> , 1996, 734, 213-219.	1.8	27
95	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 771-775.	1.1	27
96	Circular dichroism investigation of the effect of plasmid DNA structure on retention in histidine chromatography. <i>Archives of Biochemistry and Biophysics</i> , 2007, 467, 154-162.	1.4	27
97	Histamine monolith versatility to purify supercoiled plasmid deoxyribonucleic acid from <i>Escherichia coli</i> lysate. <i>Journal of Chromatography A</i> , 2014, 1355, 125-133.	1.8	27
98	Biofunctionalized nanoparticles with pH-responsive and cell penetrating blocks for gene delivery. <i>Nanotechnology</i> , 2013, 24, 275101.	1.3	26
99	Current progress on <sc>microRNAs</sc>-based therapeutics in neurodegenerative diseases. <i>Wiley Interdisciplinary Reviews RNA</i> , 2017, 8, e1409.	3.2	26
100	Cancer gene therapy mediated by RALA/plasmid DNA vectors: Nitrogen to phosphate groups ratio (N/P) as a tool for tunable transfection efficiency and apoptosis. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 185, 110610.	2.5	26
101	The Influence of Operating Parameters on the Biodelignification of <i>Eucalyptus globulus</i> Kraft Pulps in a Laccase- α -Violuric Acid System. <i>Applied Biochemistry and Biotechnology</i> , 2008, 149, 23-32.	1.4	25
102	Thiocarbocyanine as ligand in dye-affinity chromatography for protein purification. <i>Biomedical Chromatography</i> , 2008, 22, 278-288.	0.8	25
103	Impact of lysine-affinity chromatography on supercoiled plasmid DNA purification. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3507-3515.	1.2	25
104	Supercoiled plasmid quality assessment by analytical arginine-affinity chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 124-129.	1.8	25
105	Improved Minicircle DNA Biosynthesis for Gene Therapy Applications. <i>Human Gene Therapy Methods</i> , 2014, 25, 93-105.	2.1	25
106	Polyethylenimine coated plasmid DNA-surfactant complexes as potential gene delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 156-163.	2.5	25
107	Finding the ideal polyethylenimine-plasmid DNA system for co-delivery of payloads in cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 627-636.	2.5	25
108	Optimization of peptide-plasmid DNA vectors formulation for gene delivery in cancer therapy exploring design of experiments. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 183, 110417.	2.5	25

#	ARTICLE	IF	CITATIONS
109	Hydrophobic interaction chromatography of <i>Chromobacterium viscosum</i> lipase on polypropylene glycol immobilised on Sepharose. <i>Journal of Chromatography A</i> , 1999, 849, 413-419.	1.8	24
110	A new affinity approach to isolate <i>Escherichia coli</i> 6S RNA with histidine chromatography. <i>Journal of Molecular Recognition</i> , 2010, 23, 519-524.	1.1	24
111	Smart micelleplexes as a new therapeutic approach for RNA delivery. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 353-371.	2.4	24
112	Cholinium-Based Goodâ€™s Buffers Ionic Liquids as Remarkable Stabilizers and Recyclable Preservation Media for Recombinant Small RNAs. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 16645-16656.	3.2	24
113	Hydrophobic interaction chromatography of homo-oligonucleotides on derivatized Sepharose CL-6B. <i>Journal of Chromatography A</i> , 2002, 944, 119-128.	1.8	23
114	Rapid quantification of supercoiled plasmid deoxyribonucleic acid using a monolithic ion exchanger. <i>Journal of Chromatography A</i> , 2013, 1291, 114-121.	1.8	23
115	Phenanthroline polyazamacrocycles as G-quadruplex DNA binders. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2776-2786.	1.5	23
116	Hydrophobic interaction chromatography of <i>Chromobacterium viscosum</i> lipase. <i>Journal of Chromatography A</i> , 1995, 707, 137-142.	1.8	22
117	The effects of ligand chain length, salt concentration and temperature on the adsorption of bovine serum albumin onto polypropyleneglycol-Sepharose. <i>Biomedical Chromatography</i> , 2005, 19, 606-616.	0.8	22
118	Characterisation of ultrafiltration and nanofiltration membranes from rejections of neutral reference solutes using a model of asymmetric pores. <i>Journal of Membrane Science</i> , 2008, 319, 64-75.	4.1	22
119	Binding and elution strategy for improved performance of arginine affinity chromatography in supercoiled plasmid DNA purification. <i>Biomedical Chromatography</i> , 2009, 23, 160-165.	0.8	22
120	The Use of DRAQ5 to Monitor Intracellular DNA in <i>Escherichia coli</i> by Flow Cytometry. <i>Journal of Fluorescence</i> , 2010, 20, 907-914.	1.3	22
121	Ultrafiltration of supercoiled plasmid DNA: Modeling and application. <i>Journal of Membrane Science</i> , 2011, 378, 280-289.	4.1	22
122	Minicircle DNA: The Future for DNA-Based Vectors?. <i>Trends in Biotechnology</i> , 2020, 38, 1047-1051.	4.9	22
123	Analytical pyrolysis study of biodelignification of cloned <i>Eucalyptus globulus</i> (EG) clone and <i>Pinus pinaster</i> Aiton kraft pulp and residual lignins. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009, 85, 19-29.	2.6	21
124	Optimization of fermentation conditions for the production of human soluble catechol-O-methyltransferase by <i>Escherichia coli</i> using artificial neural network. <i>Journal of Biotechnology</i> , 2012, 160, 161-168.	1.9	21
125	Histidine affinity chromatography-based methodology for the simultaneous isolation of <i>Escherichia coli</i> small and ribosomal RNA. <i>Biomedical Chromatography</i> , 2012, 26, 781-788.	0.8	21
126	Optimization of supercoiled HPV-16 E6/E7 plasmid DNA purification with arginine monolith using design of experiments. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 978-979, 145-150.	1.2	21

#	ARTICLE	IF	CITATIONS
127	Stimuli-responsive polyamine-DNA blend nanogels for co-delivery in cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 132, 194-201.	2.5	21
128	Phenanthroline-bis-oxazole ligands for binding and stabilization of G-quadruplexes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1281-1292.	1.1	21
129	A new approach on the purification of recombinant human soluble catechol-O-methyltransferase from an <i>Escherichia coli</i> extract using hydrophobic interaction chromatography. <i>Journal of Chromatography A</i> , 2008, 1177, 287-296.	1.8	20
130	Selectivity of arginine chromatography in promoting different interactions using synthetic oligonucleotides as model. <i>Journal of Separation Science</i> , 2009, 32, 1665-1672.	1.3	20
131	Thiocarbocyanine as ligand in dye-affinity chromatography for protein purification. II. dynamic binding capacity using lysozyme as a model. <i>Biomedical Chromatography</i> , 2009, 23, 987-993.	0.8	20
132	First liquid chromatographic method for the simultaneous determination of amiodarone and desethylamiodarone in human plasma using microextraction by packed sorbent (MEPS) as sample preparation procedure. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 913-914, 90-97.	1.2	20
133	Study of the interaction between indole-based compounds and biologically relevant G-quadruplexes. <i>Biochimie</i> , 2017, 135, 186-195.	1.3	20
134	Integrated Extraction-Preservation Strategies for RNA Using Biobased Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9439-9448.	3.2	20
135	Characterization of a Parkinson's disease rat model using an upgraded paraquat exposure paradigm. <i>European Journal of Neuroscience</i> , 2020, 52, 3242-3255.	1.2	20
136	Enzymatic removal of plant residues from wool: Application of experimental design techniques for optimization parameters. <i>Biochemical Engineering Journal</i> , 2008, 41, 157-165.	1.8	19
137	Potential and limitation of <i>Trametes versicolor</i> laccase on biodegradation of <i>Eucalyptus globulus</i> and <i>Pinus pinaster</i> kraft pulp. <i>Enzyme and Microbial Technology</i> , 2008, 43, 144-148.	1.6	19
138	A Rapid HPLC Method for the Simultaneous Determination of Amiodarone and its Major Metabolite in Rat Plasma and Tissues: A Useful Tool for Pharmacokinetic Studies. <i>Journal of Chromatographic Science</i> , 2013, 51, 361-370.	0.7	19
139	Plasmid DNA microgels for drug/gene co-delivery: A promising approach for cancer therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014, 442, 181-190.	2.3	19
140	Methotrexate-plasmid DNA polyplexes for cancer therapy: Characterization, cancer cell targeting ability and tuned in vitro transfection. <i>Journal of Molecular Liquids</i> , 2019, 292, 111391.	2.3	19
141	A co-delivery platform based on plasmid DNA peptide-surfactant complexes: formation, characterization and release behavior. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 178, 430-438.	2.5	19
142	Development of a model for membrane filtration of long and flexible macromolecules: Application to predict dextran and linear DNA rejections in ultrafiltration. <i>Journal of Membrane Science</i> , 2009, 336, 61-70.	4.1	18
143	Determination of eight selected organophosphorus insecticides in postmortem blood samples using solid-phase extraction and gas chromatography/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 3187-3194.	0.7	18
144	Determination of biomarkers of tobacco smoke exposure in oral fluid using solid-phase extraction and gas chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 889-890, 116-122.	1.2	18

#	ARTICLE	IF	CITATIONS
145	Plasmid DNA Microgels for a Therapeutical Strategy Combining the Delivery of Genes and Anticancer Drugs. <i>Macromolecular Bioscience</i> , 2012, 12, 1243-1252.	2.1	18
146	Plasmid DNA fermentation strategies: influence on plasmid stability and cell physiology. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 2571-2580.	1.7	18
147	Analysis of Salvinatorin A in urine using microextraction in packed syringe and GC-MS/MS. <i>Bioanalysis</i> , 2013, 5, 661-668.	0.6	18
148	Comparative study on the interaction of recombinant human soluble catechol-O-methyltransferase on some hydrophobic adsorbents. <i>Biomedical Chromatography</i> , 2007, 21, 430-438.	0.8	17
149	Biomedical application of plasmid DNA in gene therapy: A new challenge for chromatography. <i>Biotechnology and Genetic Engineering Reviews</i> , 2009, 26, 83-116.	2.4	17
150	Association of <i>Thymbra capitata</i> essential oil and chitosan (TCCH hydrogel): a putative therapeutic tool for the treatment of vulvovaginal candidosis. <i>Flavour and Fragrance Journal</i> , 2013, 28, 354-359.	1.2	17
151	Advances in time course extracellular production of human pre-miR-29b from <i>Rhodovulum sulfidophilum</i> . <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 3723-3734.	1.7	17
152	Influence of buffer systems on <i>Trichoderma reesei</i> Rut C-30 morphology and cellulase production. <i>Electronic Journal of Biotechnology</i> , 2009, 12, .	1.2	16
153	Bioethanol from the Portuguese forest residue <i>Pterospartum tridentatum</i> – An evaluation of pretreatment strategy for enzymatic saccharification and sugars fermentation. <i>Bioresource Technology</i> , 2010, 101, 7797-7803.	4.8	16
154	Purification of pre-miR-29 by a new O-phospho-l-tyrosine affinity chromatographic strategy optimized using design of experiments. <i>Journal of Chromatography A</i> , 2014, 1343, 119-127.	1.8	16
155	Plasmid DNA nanogels as photoresponsive materials for multifunctional bio-applications. <i>Journal of Biotechnology</i> , 2015, 202, 98-104.	1.9	16
156	New insights for therapeutic recombinant human miRNAs heterologous production: <i>Rhodovulum sulfidophilum</i> vs <i>Escherichia coli</i> . <i>Bioengineered</i> , 2017, 8, 670-677.	1.4	16
157	Effect of Plasmid DNA Size on Chitosan or Polyethyleneimine Polyplexes Formulation. <i>Polymers</i> , 2021, 13, 793.	2.0	16
158	Hydrophobic interaction chromatography of homo-oligonucleotides on derivatized Sepharose CL-6B. <i>Journal of Chromatography A</i> , 2003, 1006, 137-148.	1.8	15
159	The effect of temperature on the analysis of metanephrine for catechol-O-methyltransferase activity assay by HPLC with electrochemical detection. <i>Biomedical Chromatography</i> , 2006, 20, 937-944.	0.8	15
160	A novel prokaryotic expression system for biosynthesis of recombinant human membrane-bound catechol-O-methyltransferase. <i>Journal of Biotechnology</i> , 2011, 156, 141-146.	1.9	15
161	A new strategy for <i>scp</i> RNA isolation from eukaryotic cells using arginine affinity chromatography. <i>Journal of Separation Science</i> , 2012, 35, 3217-3226.	1.3	15
162	Plasmid DNA hydrogels for biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2014, 205, 257-264.	7.0	15

#	ARTICLE	IF	CITATIONS
163	Low-cost purification of nisin from milk whey to a highly active product. <i>Food and Bioprocess Technology</i> , 2015, 93, 115-121.	1.8	15
164	Development of a bioreactor system for cytotoxic evaluation of pharmacological compounds in living cells using NMR spectroscopy. <i>Journal of Pharmaceutical and Toxicological Methods</i> , 2019, 95, 70-78.	0.3	15
165	Human Papillomavirus G-Rich Regions as Potential Antiviral Drug Targets. <i>Nucleic Acid Therapeutics</i> , 2021, 31, 68-81.	2.0	15
166	Targeting of Mitochondria-Endoplasmic Reticulum by Fluorescent Macrocyclic Compounds. <i>PLoS ONE</i> , 2011, 6, e27078.	1.1	15
167	Title is missing!. <i>Biotechnology Letters</i> , 1999, 21, 651-655.	1.1	14
168	The relationship between <i>Candida</i> species charge density and chitosan activity evaluated by ion-exchange chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 3749-3751.	1.2	14
169	Screening nucleotide binding to amino acid-coated supports by surface plasmon resonance and nuclear magnetic resonance. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 983-993.	1.9	14
170	Impact of plasmid induction strategy on overall plasmid DNA yield and <i>E. coli</i> physiology using flow cytometry and real-time PCR. <i>Process Biochemistry</i> , 2011, 46, 174-181.	1.8	14
171	Plasmid DNA recovery from fermentation broths by a combined process of micro- and ultrafiltration: Modeling and application. <i>Journal of Membrane Science</i> , 2012, 415-416, 24-35.	4.1	14
172	Binding and elution behavior of small deoxyribonucleic acid fragments on a strong anion-exchanger multimodal chromatography resin. <i>Journal of Chromatography A</i> , 2013, 1302, 40-44.	1.8	14
173	Binding analysis between l-histidine immobilized and oligonucleotides by SPR and NMR. <i>International Journal of Biological Macromolecules</i> , 2013, 56, 175-180.	3.6	14
174	A bi-layer electrospun nanofiber membrane for plasmid DNA recovery from fermentation broths. <i>Separation and Purification Technology</i> , 2013, 112, 20-25.	3.9	14
175	Effect of chromatographic conditions and plasmid DNA size on the dynamic binding capacity of a monolithic support. <i>Journal of Separation Science</i> , 2014, 37, 2284-2292.	1.3	14
176	The role of liquid-phase microextraction techniques in bioanalysis. <i>Bioanalysis</i> , 2015, 7, 2195-2201.	0.6	14
177	The use of size-exclusion chromatography in the isolation of supercoiled minicircle DNA from <i>Escherichia coli</i> lysate. <i>Journal of Chromatography A</i> , 2020, 1609, 460444.	1.8	14
178	Studies on the chromatographic fractionation of <i>Trichoderma reesei</i> cellulases by hydrophobic interaction. <i>Journal of Chromatography A</i> , 1999, 865, 123-128.	1.8	13
179	Minicircle DNA purification using a CIM [®] DEAE [®] monolithic support. <i>Journal of Separation Science</i> , 2016, 39, 3544-3549.	1.3	13
180	Minicircle DNA purification: Performance of chromatographic monoliths bearing lysine and cadaverine ligands. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1118-1119, 7-16.	1.2	13

#	ARTICLE	IF	CITATIONS
181	Brain-Targeted Delivery of Pre-miR-29b Using Lactoferrin-Stearic Acid-Modified-Chitosan/Polyethyleneimine Polyplexes. <i>Pharmaceuticals</i> , 2020, 13, 314.	1.7	13
182	Dilemma on plasmid DNA purification: binding capacity vs selectivity. <i>Journal of Chromatography A</i> , 2021, 1637, 461848.	1.8	13
183	Separation of different forms of proteose peptone 3 by hydrophobic interaction chromatography with a dual salt system. <i>Biomedical Chromatography</i> , 2008, 22, 447-449.	0.8	12
184	New approach in RNA quantification using arginine-affinity chromatography: potential application in eukaryotic and chemically synthesized RNA. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 8849-8858.	1.9	12
185	New approach for purification of pre-miR-29 using lysine-affinity chromatography. <i>Journal of Chromatography A</i> , 2014, 1331, 129-132.	1.8	12
186	Stabilization of novel immunoglobulin switch regions G-quadruplexes by naphthalene and quinoline-based ligands. <i>Tetrahedron</i> , 2016, 72, 1229-1237.	1.0	12
187	Affinity approaches in RNAi-based therapeutics purification. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1021, 45-56.	1.2	12
188	Nanoaggregate-forming lipid-conjugated AS1411 aptamer as a promising tumor-targeted delivery system of anticancer agents in vitro. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 36, 102429.	1.7	12
189	Sensitive Detection of Peptide-Minircle DNA Interactions by Surface Plasmon Resonance. <i>Analytical Chemistry</i> , 2013, 85, 2304-2311.	3.2	11
190	Binding mechanisms for histamine and agmatine ligands in plasmid deoxyribonucleic acid purifications. <i>Journal of Chromatography A</i> , 2014, 1366, 110-119.	1.8	11
191	Enhanced biosynthesis of plasmid DNA from <i>Escherichia coli</i> VH33 using Box-Behnken design associated to aromatic amino acids pathway. <i>Biochemical Engineering Journal</i> , 2015, 98, 117-126.	1.8	11
192	Purification of influenza deoxyribonucleic acid-based vaccine using agmatine monolith. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1012-1013, 153-161.	1.2	11
193	Design of experiments to select triphenylphosphonium-polyplexes with suitable physicochemical properties for mitochondrial gene therapy. <i>Journal of Molecular Liquids</i> , 2020, 302, 112488.	2.3	11
194	The Performance of Minicircle DNA Versus Parental Plasmid in <i>HPV-18-Infected Cervical Cancer Cells</i> . <i>Nucleic Acid Therapeutics</i> , 2021, 31, 82-91.	2.0	11
195	Application of a Fed-Batch Bioprocess for the Heterologous Production of hSCOMT in <i>Escherichia coli</i> . <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 972-981.	0.9	11
196	Preliminary study on hydrophobic interaction chromatography of <i>Chromobacterium viscosum</i> lipase on polypropylene glycol immobilized on Sepharose. <i>Journal of Chromatography A</i> , 1998, 796, 177-180.	1.8	10
197	Studies on hydrophobic interaction adsorption of bovine serum albumin on polypropylene glycol-sepharose under overloaded conditions. <i>Separation Science and Technology</i> , 2002, 37, 1505-1520.	1.3	10
198	Protein purification by aminosquarylium cyanine dye-affinity chromatography. <i>Biomedical Chromatography</i> , 2013, 27, 1671-1679.	0.8	10

#	ARTICLE	IF	CITATIONS
199	Nucleic acid and protein extraction from electropermeabilized E. coli cells on a microfluidic chip. <i>Analyst</i> , The, 2013, 138, 7347.	1.7	10
200	Performance of hydrophobic interaction ligands for human membrane-bound catechol-O-methyltransferase purification. <i>Journal of Separation Science</i> , 2013, 36, 1693-1702.	1.3	10
201	Recovery of biological active catechol-O-methyltransferase isoforms from Q-sepharose. <i>Journal of Separation Science</i> , 2014, 37, 20-29.	1.3	10
202	Modification of microfiltration membranes by hydrogel impregnation for p<scp>DNA</scp> purification. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	10
203	Application of ethylenediamine monolith to purify a hemagglutinin influenza deoxyribonucleic acid-based vaccine. <i>Separation and Purification Technology</i> , 2015, 154, 320-327.	3.9	10
204	DoE to improve supercoiled p53-pDNA purification by O-phospho-l-tyrosine chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2019, 1105, 184-192.	1.2	10
205	Ligand screening to pre-miRNA 149 G-quadruplex investigated by molecular dynamics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 2276-2286.	2.0	10
206	Combined Bioê€carbonization and Dyeing of Wool: A Possibility Using Cell Wallê€Degrading Enzymes and 1:1 Metalê€Complex Dyes. <i>Engineering in Life Sciences</i> , 2008, 8, 250-259.	2.0	9
207	Analysis of hSCOMT adsorption in bioaffinity chromatography with immobilized amino acids: The influence of pH and ionic strength. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2011, 879, 1704-1706.	1.2	9
208	Hydrophobic Interaction Chromatography. , 2013, , 121-141.		9
209	What are the recent advances in forensic oral fluid bioanalysis?. <i>Bioanalysis</i> , 2013, 5, 2077-2079.	0.6	9
210	Pharmaceutical-grade pre-miR-29 purification using an agmatine monolithic support. <i>Journal of Chromatography A</i> , 2014, 1368, 173-182.	1.8	9
211	An artificial neural network for membrane-bound catechol-O-methyltransferase biosynthesis with <i>Pichia pastoris</i> methanol-induced cultures. <i>Microbial Cell Factories</i> , 2015, 14, 113.	1.9	9
212	Effect of Chromatographic Conditions on Supercoiled Plasmid DNA Stability and Bioactivity. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5170.	1.3	9
213	Polymer-peptide ternary systems as a tool to improve the properties of plasmid DNA vectors in gene delivery. <i>Journal of Molecular Liquids</i> , 2020, 309, 113157.	2.3	9
214	Preliminary studies on the use of cyanines as ligands in dye-affinity chromatography of proteins. <i>Coloration Technology</i> , 2002, 118, 95-99.	0.7	8
215	Analysis of nucleotides binding to chromatography supports provided by nuclear magnetic resonance spectroscopy. <i>Journal of Chromatography A</i> , 2011, 1218, 3559-3564.	1.8	8
216	Polyazamacrocycles as Potential Antitumor Agents for Human Prostate Cancer Cells. <i>Chemical Biology and Drug Design</i> , 2013, 81, 517-526.	1.5	8

#	ARTICLE	IF	CITATIONS
217	Affinity analysis between immobilized l-arginine and plasmid isoforms provided by surface plasmon resonance. <i>Analytical Methods</i> , 2013, 5, 1682.	1.3	8
218	Plasmid DNA/RNA separation by ultrafiltration: Modeling and application study. <i>Journal of Membrane Science</i> , 2014, 463, 1-10.	4.1	8
219	Selective purification of supercoiled p53-encoding pDNA with l-methionine-agarose matrix. <i>Analytical Biochemistry</i> , 2014, 459, 61-69.	1.1	8
220	Layer-by-Layer Assembly for Biofunctionalization of Cellulosic Fibers with Emergent Antimicrobial Agents. <i>Advances in Polymer Science</i> , 2015, , 225-240.	0.4	8
221	The biological performance of purified supercoiled p53 plasmid DNA in different cancer cell lines. <i>Process Biochemistry</i> , 2018, 75, 240-249.	1.8	8
222	Comparative study on the fractionation of cellulases on some hydrophobic interaction chromatography adsorbents. <i>Journal of Chromatography A</i> , 2002, 944, 211-216.	1.8	7
223	Triangulation of Molecular Surfaces Using an Isosurface Continuation Algorithm. , 2009, , .		7
224	Study of specific interaction between nucleotides and dye support by nuclear magnetic resonance. <i>Journal of Molecular Recognition</i> , 2011, 24, 975-980.	1.1	7
225	New biomaterial based on cotton with incorporated Biomolecules. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	7
226	Development of mitochondrial targeting plasmid DNA nanoparticles: Characterization and in vitro studies. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 480, 287-295.	2.3	7
227	Biosynthesis and purification of histidine-tagged human soluble catechol methyltransferase. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 3035-3044.	1.6	7
228	Purification of supercoiled G-quadruplex pDNA for in vitro transcription. <i>Separation and Purification Technology</i> , 2016, 163, 59-71.	3.9	7
229	Chromatographic HPV-16 E6/E7 plasmid vaccine purification employing L-histidine and L-benzyl-L-histidine affinity ligands. <i>Electrophoresis</i> , 2017, 38, 2975-2980.	1.3	7
230	Targeting of Cellular Organelles by Fluorescent Plasmid DNA Nanoparticles. <i>Biomacromolecules</i> , 2017, 18, 2928-2936.	2.6	7
231	Plasmid purification by using a new naphthalene tripodal support. <i>Separation and Purification Technology</i> , 2017, 188, 81-89.	3.9	7
232	Improved ionic-liquid-functionalized macroporous supports able to purify nucleic acids in one step. <i>Materials Today Bio</i> , 2020, 8, 100086.	2.6	7
233	Purification of supercoiled p53-encoding plasmid using an arginine-modified macroporous support. <i>Journal of Chromatography A</i> , 2020, 1618, 460890.	1.8	7
234	Assessment of COMT isolation by HIC using a dual salt system and low temperature. <i>Biomedical Chromatography</i> , 2010, 24, 858-862.	0.8	6

#	ARTICLE	IF	CITATIONS
235	Supercoiled plasmid <scp>DNA</scp> purification by integrating membrane technology with a monolithic chromatography. <i>Journal of Separation Science</i> , 2014, 37, 1229-1236.	1.3	6
236	Screening of <scp>I</scp>-histidine-based ligands to modify monolithic supports and selectively purify the supercoiled plasmid DNA isoform. <i>Journal of Molecular Recognition</i> , 2015, 28, 349-358.	1.1	6
237	Affinity analysis and application of dipeptides derived from l-tyrosine in plasmid purification. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1006, 47-58.	1.2	6
238	Preparative isolation of polymerase chain reaction products using mixed-mode chromatography. <i>Analytical Biochemistry</i> , 2015, 489, 73-75.	1.1	6
239	Arginine homopeptides for plasmid DNA purification using monolithic supports. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1087-1088, 149-157.	1.2	6
240	Smoothing membrane protein structure determination by initial upstream stage improvements. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5483-5500.	1.7	6
241	Advances in Membrane-Bound Catechol-O-Methyltransferase Stability Achieved Using a New Ionic Liquid-Based Storage Formulation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 7264.	1.8	6
242	Study of the specific interaction between l-methionine chromatography support and nucleotides. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 909, 1-5.	1.2	5
243	Quantitative analysis of histamine- and agmatine-DNA interactions using surface plasmon resonance. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 131-137.	3.6	5
244	Multifunctional nanocarriers for codelivery of nucleic acids and chemotherapeutics to cancer cells. , 2016, , 163-207.		5
245	l-tryptophan and dipeptide derivatives for supercoiled plasmid DNA purification. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 385-396.	3.6	5
246	Naphthalene amine support for G-quadruplex isolation. <i>Analyst</i> , The, 2017, 142, 2982-2994.	1.7	5
247	HPV-16 targeted DNA vaccine expression: The role of purification. <i>Biotechnology Progress</i> , 2018, 34, 546-551.	1.3	5
248	Enhancement of a biotechnological platform for the purification and delivery of a human papillomavirus supercoiled plasmid DNA vaccine. <i>New Biotechnology</i> , 2020, 59, 1-9.	2.4	5
249	Nucleolin as a potential biomarker for canine malignant neoplasia. <i>Research in Veterinary Science</i> , 2021, 135, 297-303.	0.9	5
250	Hydrophobic interaction chromatography of <i>Trichoderma reesei</i> cellulases on polypropylene glycol-sepharose. <i>Separation Science and Technology</i> , 2002, 37, 1641-1651.	1.3	4
251	Fractionation of <i>Trichoderma Reesei</i> Cellulases by Hydrophobic Interaction Chromatography on Phenyl-Sepharose. <i>Biotechnology Letters</i> , 2004, 26, 223-227.	1.1	4
252	Captosulf Resins for Chromatography of DNA: A Minor Difference in Ligand Composition Greatly Influences the Separation of Guanidyl-Containing Fragments. <i>Chromatographia</i> , 2016, 79, 1277-1282.	0.7	4

#	ARTICLE	IF	CITATIONS
253	Highly selective capture of minicircle DNA biopharmaceuticals by a novel zinc-histidine peptide conjugate. <i>Separation and Purification Technology</i> , 2017, 174, 417-424.	3.9	4
254	Discovery of Small Molecules as Membrane-Bound Catechol-O-methyltransferase Inhibitors with Interest in Parkinson's Disease: Pharmacophore Modeling, Molecular Docking and In Vitro Experimental Validation Studies. <i>Pharmaceuticals</i> , 2022, 15, 51.	1.7	4
255	Molecular recognition of oligonucleotides and plasmid DNA by L-methionine. <i>Journal of Molecular Recognition</i> , 2014, 27, 588-596.	1.1	3
256	Development of fed-batch profiles for efficient biosynthesis of catechol-O-methyltransferase. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2014, 3, 34-41.	2.1	3
257	Analysis of pre-miR-29b binding conditions to amino acids by using a surface plasmon resonance biosensor. <i>Analytical Methods</i> , 2016, 8, 205-213.	1.3	3
258	Quality assessment of supercoiled minicircle DNA by cadaverine-modified analytical chromatographic monolith. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 180, 113037.	1.4	3
259	A new insight in gellan microspheres application to capture a plasmid DNA vaccine from an <i>Escherichia coli</i> lysate. <i>Separation and Purification Technology</i> , 2021, 274, 119013.	3.9	3
260	Improved Recovery of a Fusion Protein Containing the Antigenic Domain 1 of the Human Cytomegalovirus Glycoprotein B. <i>Biotechnology Letters</i> , 2005, 27, 1241-1245.	1.1	2
261	Applications of gellan natural polymer microspheres in recombinant catechol-O-methyltransferase direct capture from a <i>Komagataella pastoris</i> lysate. <i>International Journal of Biological Macromolecules</i> , 2021, 172, 186-196.	3.6	2
262	Minicircle DNA Vaccine Purification and E7 Antigen Expression Assessment. <i>Methods in Molecular Biology</i> , 2021, 2197, 207-222.	0.4	2
263	Hands-On Laboratory Class for Biopharmaceutical pDNA Quality Control. <i>Journal of Chemical Education</i> , 0, , .	1.1	2
264	Experimental design for enzymatic hydrolysis of <i>Cistus ladanifer</i> . <i>Journal of Biotechnology</i> , 2008, 136, S274-S275.	1.9	1
265	Assessment of bacterial physiology and plasmid stability: application to plasmid DNA production by <i>Escherichia coli</i> . <i>New Biotechnology</i> , 2009, 25, S211.	2.4	1
266	Rhodamine B as Ligand for Affinity Chromatography: Chromatographic Studies on Derivatized Beaded Cellulose. <i>Journal of Chromatographic Science</i> , 2010, 48, 240-244.	0.7	1
267	NMR screening of new carbocyanine dyes as ligands for affinity chromatography. <i>Journal of Molecular Recognition</i> , 2014, 27, 197-204.	1.1	1
268	DNA-Based Hydrogels: An Approach for Multifunctional Bioapplications. <i>Gels Horizons: From Science To Smart Materials</i> , 2018, , 339-356.	0.3	1
269	Plasmid production and purification: An integrated experimental-based biochemistry and biotechnology laboratory course. <i>Biochemistry and Molecular Biology Education</i> , 2019, 47, 638-643.	0.5	1
270	Conception of Plasmid DNA and Polyethylenimine Delivery Systems with Potential Application in Field. <i>Methods in Molecular Biology</i> , 2021, 2197, 271-284.	0.4	1

#	ARTICLE	IF	CITATIONS
271	Arginine-Affinity Chromatography for Nucleic Acid (DNA and RNA) Isolation. <i>Methods in Molecular Biology</i> , 2022, 2466, 135-144.	0.4	1
272	Isolation of a Fusion Protein Containing the Antigenic Domain 1 of Human Cytomegalovirus Glycoprotein B and its Application in ELISA Tests. <i>Biotechnology Letters</i> , 2006, 28, 73-77.	1.1	0
273	Plasmid DNA purification by integrating membrane technology with arginine affinity chromatography. <i>New Biotechnology</i> , 2014, 31, S120.	2.4	0
274	3,3'-Diaminonitromethylpropylamine as a versatile affinity ligand. <i>Journal of Separation Science</i> , 2015, 38, 732-740.	1.3	0
275	Quantitative analysis of the interaction between L-methionine derivative and oligonucleotides. <i>Journal of Biochemistry</i> , 2015, 157, 261-270.	0.9	0
276	p53-Encoding pDNA Purification by Affinity Chromatography for Cancer Therapy. <i>Methods in Molecular Biology</i> , 2015, 1317, 109-124.	0.4	0
277	BIOMEDICAL APPLICATION OF PLASMID DNA IN GENE THERAPY: A NEW CHALLENGE FOR CHROMATOGRAPHY. , 0, , 83-116.		0