

Joo Antnio Queiroz

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

273
papers

6,521
citations

40
h-index

63
g-index

286
ext. papers

7,377
ext. citations

4.4
avg, IF

6.1
L-index

#	Paper	IF	Citations
273	Hydrophobic interaction chromatography of proteins. <i>Journal of Biotechnology</i> , 2001 , 87, 143-59	3.7	310
272	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	4.2	158
271	Chromatography of plasmid DNA. <i>Journal of Chromatography A</i> , 2005 , 1069, 3-22	4.5	149
270	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	3.2	148
269	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	3.8	148
268	The role of alternative specimens in toxicological analysis. <i>Biomedical Chromatography</i> , 2008 , 22, 795-821.7		139
267	Antimicrobial activity and effects of resveratrol on human pathogenic bacteria. <i>World Journal of Microbiology and Biotechnology</i> , 2010 , 26, 1533-1538	4.4	135
266	Evaluating metabolic stress and plasmid stability in plasmid DNA production by <i>Escherichia coli</i> . <i>Biotechnology Advances</i> , 2012 , 30, 691-708	17.8	103
265	Affinity chromatography approaches to overcome the challenges of purifying plasmid DNA. <i>Trends in Biotechnology</i> , 2008 , 26, 518-25	15.1	97
264	Insights in the pathogenesis and resistance of <i>Arcobacter</i> : A review. <i>Critical Reviews in Microbiology</i> , 2016 , 42, 364-83	7.8	81
263	G-quadruplex, Friend or Foe: The Role of the G-quartet in Anticancer Strategies. <i>Trends in Molecular Medicine</i> , 2020 , 26, 848-861	11.5	80
262	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, 109-17	4.5	77
261	Production, purification and analysis of an experimental DNA vaccine against rabies. <i>Journal of Gene Medicine</i> , 2001 , 3, 577-84	3.5	77
260	Poly(2-ethyl-2-oxazoline)-PLA-g-PEI amphiphilic triblock micelles for co-delivery of minicircle DNA and chemotherapeutics. <i>Journal of Controlled Release</i> , 2014 , 189, 90-104	11.7	69
259	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	11.7	68
258	Incorporation of antimicrobial peptides on functionalized cotton gauzes for medical applications. <i>Carbohydrate Polymers</i> , 2015 , 127, 451-61	10.3	67
257	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, 131-40	2.8	66

256	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, 82-8	5.8	65
255	Improvement of transfection efficiency by using supercoiled plasmid DNA purified with arginine affinity chromatography. <i>Journal of Gene Medicine</i> , 2009 , 11, 79-88	3.5	65
254	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	3.2	63
253	Recombinant pre-miR-29b for Alzheimer's disease therapeutics. <i>Scientific Reports</i> , 2016 , 6, 19946	4.9	59
252	Nanoparticle mediated delivery of pure P53 supercoiled plasmid DNA for gene therapy. <i>Journal of Controlled Release</i> , 2011 , 156, 212-22	11.7	59
251	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, 3953-63	4.4	58
250	Formulation of chitosan-TPP-pDNA nanocapsules for gene therapy applications. <i>Nanotechnology</i> , 2011 , 22, 015101	3.4	58
249	Minicircle DNA vectors for gene therapy: advances and applications. <i>Expert Opinion on Biological Therapy</i> , 2015 , 15, 353-79	5.4	56
248	Specific recognition of supercoiled plasmid DNA in arginine affinity chromatography. <i>Analytical Biochemistry</i> , 2008 , 374, 432-4	3.1	54
247	Hair: a complementary source of bioanalytical information in forensic toxicology. <i>Bioanalysis</i> , 2011 , 3, 67-79	2.1	52
246	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, 321-5	3.7	51
245	Advances in chromatographic supports for pharmaceutical-grade plasmid DNA purification. <i>Journal of Separation Science</i> , 2012 , 35, 3046-58	3.4	50
244	Anti- <i>Helicobacter pylori</i> and urease inhibitory activities of resveratrol and red wine. <i>Food Research International</i> , 2011 , 44, 964-969	7	50
243	Study of hydrophobic interaction adsorption of bovine serum albumin under overloaded conditions using flow microcalorimetry. <i>Journal of Chromatography A</i> , 1999 , 865, 111-22	4.5	47
242	The anti- <i>Candida</i> activity of <i>Thymbra capitata</i> essential oil: effect upon pre-formed biofilm. <i>Journal of Ethnopharmacology</i> , 2012 , 140, 379-83	5	46
241	Separation of supercoiled and open circular plasmid DNA isoforms by chromatography with a histidine-agarose support. <i>Analytical Biochemistry</i> , 2005 , 343, 183-5	3.1	45
240	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, 62-8	5.8	43
239	Anti- <i>Candida</i> activity of essential oils. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009 , 9, 1292-1305	3.2	43

238	Analysis of phenylpiperazine-like stimulants in human hair as trimethylsilyl derivatives by gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 2010 , 1217, 6274-80	4.5	41
237	Aptamer-based Targeted Delivery of a G-quadruplex Ligand in Cervical Cancer Cells. <i>Scientific Reports</i> , 2019 , 9, 7945	4.9	40
236	Folate-targeted multifunctional amino acid-chitosan nanoparticles for improved cancer therapy. <i>Pharmaceutical Research</i> , 2015 , 32, 562-77	4.5	40
235	Anti-biofilm activity of low-molecular weight chitosan hydrogel against <i>Candida</i> species. <i>Medical Microbiology and Immunology</i> , 2014 , 203, 25-33	4	40
234	A critical review of microextraction by packed sorbent as a sample preparation approach in drug bioanalysis. <i>Bioanalysis</i> , 2013 , 5, 1409-42	2.1	40
233	Studies on the retention of plasmid DNA and <i>Escherichia coli</i> nucleic acids by hydrophobic interaction chromatography. <i>Bioseparation</i> , 2001 , 10, 211-20		40
232	Bioanalytical procedures and recent developments in the determination of opiates/opioids in human biological samples. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 400, 1665-90	4.4	38
231	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, 3059-69	4.4	38
230	Dynamic binding capacity of plasmid DNA in histidine-agarose chromatography. <i>Biomedical Chromatography</i> , 2007 , 21, 993-8	1.7	38
229	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, 137-53	4.5	38
228	Role of microextraction sampling procedures in forensic toxicology. <i>Bioanalysis</i> , 2012 , 4, 1805-26	2.1	37
227	Gel network photodisruption: a new strategy for the codelivery of plasmid DNA and drugs. <i>Langmuir</i> , 2011 , 27, 13780-9	4	37
226	Differential interactions of plasmid DNA, RNA and genomic DNA with amino acid-based affinity matrices. <i>Journal of Separation Science</i> , 2010 , 33, 2610-8	3.4	37
225	Separation and analysis of plasmid denatured forms using hydrophobic interaction chromatography. <i>Analytical Biochemistry</i> , 1999 , 275, 122-4	3.1	37
224	Layer-by-Layer Deposition of Antibacterial Polyelectrolytes on Cotton Fibres. <i>Journal of Polymers and the Environment</i> , 2012 , 20, 1084-1094	4.5	35
223	Anti- <i>Candida</i> activity of a chitosan hydrogel: mechanism of action and cytotoxicity profile. <i>Gynecologic and Obstetric Investigation</i> , 2010 , 70, 322-7	2.5	35
222	<i>Pichia pastoris</i> : a recombinant microfactory for antibodies and human membrane proteins. <i>Journal of Microbiology and Biotechnology</i> , 2013 , 23, 587-601	3.3	35
221	Current technologies and considerations for drug bioanalysis in oral fluid. <i>Bioanalysis</i> , 2009 , 1, 637-67	2.1	34

220	Bioanalytical methods for the determination of cocaine and metabolites in human biological samples. <i>Bioanalysis</i> , 2009 , 1, 977-1000	2.1	34
219	Gas-generating TPGS-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, 287-94	6	33
218	Ribonucleic acid purification. <i>Journal of Chromatography A</i> , 2014 , 1355, 1-14	4.5	33
217	Pyrolysis-GC/MS and TG/MS study of mediated laccase biodelignification of Eucalyptus globulus kraft pulp. <i>Journal of Analytical and Applied Pyrolysis</i> , 2007 , 78, 233-242	6	33
216	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	8.8	32
215	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, 8333-43	4.5	32
214	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, 3320-6	2.2	32
213	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, 93-9	3.5	31
212	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, 2157-68	5.7	31
211	LC-MS: a powerful tool in workplace drug testing. <i>Drug Testing and Analysis</i> , 2009 , 1, 109-15	3.5	31
210	Amino acids-nucleotides biomolecular recognition: from biological occurrence to affinity chromatography. <i>Journal of Molecular Recognition</i> , 2010 , 23, 505-18	2.6	31
209	Genotypic and phenotypic features of <i>Arcobacter butzleri</i> pathogenicity. <i>Microbial Pathogenesis</i> , 2014 , 76, 19-25	3.8	30
208	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, 116-20	4.5	30
207	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, 72-9	4.5	30
206	Histidine affinity chromatography of homo-oligonucleotides. Role of multiple interactions on retention. <i>Biomedical Chromatography</i> , 2009 , 23, 745-53	1.7	30
205	Fluorescent light-up acridine orange derivatives bind and stabilize KRAS-22RT G-quadruplex. <i>Biochimie</i> , 2018 , 144, 144-152	4.6	30
204	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	2.4	29
203	Scale-up of hydrophobic interaction chromatography for the purification of a DNA vaccine against rabies. <i>Biotechnology Letters</i> , 2000 , 22, 1397-1400	3	29

202	Molecular diagnosis of Arcobacter and Campylobacter in diarrhoeal samples among Portuguese patients. <i>Diagnostic Microbiology and Infectious Disease</i> , 2014 , 78, 220-5	2.9	28
201	Swelling behavior of a new biocompatible plasmid DNA hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 92, 106-12	6	28
200	Isolation of PCR DNA fragments using aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2014 , 122, 144-148	8.3	27
199	Screening of antimicrobial activity of Cistus ladanifer and Arbutus unedo extracts. <i>Natural Product Research</i> , 2012 , 26, 1558-60	2.3	27
198	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, 3257-60	3.2	27
197	Performance of a non-grafted monolithic support for purification of supercoiled plasmid DNA. <i>Journal of Chromatography A</i> , 2011 , 1218, 1701-6	4.5	27
196	Plasmid DNA purification using a multimodal chromatography resin. <i>Journal of Molecular Recognition</i> , 2014 , 27, 184-9	2.6	26
195	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	3.2	26
194	Influence of growth conditions on plasmid DNA production. <i>Journal of Microbiology and Biotechnology</i> , 2009 , 19, 1408-14	3.3	26
193	Circular dichroism investigation of the effect of plasmid DNA structure on retention in histidine chromatography. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 467, 154-62	4.1	26
192	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, 3507-15	3.2	25
191	Hydrophobic interaction chromatography of Chromobacterium viscosum lipase on polyethylene glycol immobilized on Sepharose. <i>Journal of Chromatography A</i> , 1996 , 734, 213-219	4.5	25
190	Rhodamine based plasmid DNA nanoparticles for mitochondrial gene therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 121, 129-40	6	24
189	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, 608-14	1.7	24
188	Current progress on microRNAs-based therapeutics in neurodegenerative diseases. <i>Wiley Interdisciplinary Reviews RNA</i> , 2017 , 8, e1409	9.3	24
187	Vitreous humor in the pathologic scope: insights from proteomic approaches. <i>Proteomics - Clinical Applications</i> , 2015 , 9, 187-202	3.1	24
186	Biofunctionalized nanoparticles with pH-responsive and cell penetrating blocks for gene delivery. <i>Nanotechnology</i> , 2013 , 24, 275101	3.4	24
185	An evaluation of the potential of Acacia dealbata as raw material for bioethanol production. <i>Bioresource Technology</i> , 2011 , 102, 4766-73	11	24

184	Supercoiled plasmid quality assessment by analytical arginine-affinity chromatography. <i>Journal of Chromatography A</i> , 2011 , 1218, 124-9	4.5	24
183	Improved minicircle DNA biosynthesis for gene therapy applications. <i>Human Gene Therapy Methods</i> , 2014 , 25, 93-105	4.9	23
182	The influence of operating parameters on the biodelignification of Eucalyptus globulus kraft pulps in a laccase--violuric acid system. <i>Applied Biochemistry and Biotechnology</i> , 2008 , 149, 23-32	3.2	23
181	Mitochondrial Gene Therapy: Advances in Mitochondrial Gene Cloning, Plasmid Production, and Nanosystems Targeted to Mitochondria. <i>Molecular Pharmaceutics</i> , 2017 , 14, 626-638	5.6	22
180	Polyethylenimine coated plasmid DNA-surfactant complexes as potential gene delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 133, 156-63	6	22
179	Histamine monolith versatility to purify supercoiled plasmid deoxyribonucleic acid from Escherichia coli lysate. <i>Journal of Chromatography A</i> , 2014 , 1355, 125-33	4.5	22
178	Trends in protein-based biosensor assemblies for drug screening and pharmaceutical kinetic studies. <i>Molecules</i> , 2014 , 19, 12461-85	4.8	22
177	A new affinity approach to isolate Escherichia coli 6S RNA with histidine-chromatography. <i>Journal of Molecular Recognition</i> , 2010 , 23, 519-24	2.6	22
176	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	9.6	22
175	Hydrophobic interaction chromatography of homo-oligonucleotides on derivatized Sepharose CL-6B. Application of the solvophobic theory. <i>Journal of Chromatography A</i> , 2002 , 944, 119-28	4.5	22
174	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, 606-16	1.7	22
173	Production of cellulases in batch culture using a mutant strain of Trichoderma reesei growing on soluble carbon source. <i>Biotechnology Letters</i> , 2001 , 23, 771-775	3	22
172	Hydrophobic interaction chromatography of Chromobacterium viscosum lipase on polypropylene glycol immobilised on Sepharose. <i>Journal of Chromatography A</i> , 1999 , 849, 413-9	4.5	22
171	Binding and elution strategy for improved performance of arginine affinity chromatography in supercoiled plasmid DNA purification. <i>Biomedical Chromatography</i> , 2009 , 23, 160-5	1.7	21
170	Hydrophobic interaction chromatography of Chromobacterium viscosum lipase. <i>Journal of Chromatography A</i> , 1995 , 707, 137-142	4.5	21
169	Aptamer-guided acridine derivatives for cervical cancer. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 2992-3002	3.9	21
168	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	6	21
167	RNA G-quadruplex as supramolecular carrier for cancer-selective delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019 , 142, 473-479	5.7	20

166	Smart micelleplexes as a new therapeutic approach for RNA delivery. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 353-371	8	20
165	p53 as the Focus of Gene Therapy: Past, Present and Future. <i>Current Drug Targets</i> , 2018 , 19, 1801-1817	3	20
164	Stimuli-responsive polyamine-DNA blend nanogels for co-delivery in cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 132, 194-201	6	19
163	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, 145-50	3.2	19
162	Rapid quantification of supercoiled plasmid deoxyribonucleic acid using a monolithic ion exchanger. <i>Journal of Chromatography A</i> , 2013 , 1291, 114-21	4.5	19
161	Selectivity of arginine chromatography in promoting different interactions using synthetic oligonucleotides as model. <i>Journal of Separation Science</i> , 2009 , 32, 1665-72	3.4	19
160	Analytical pyrolysis study of biodelignification of cloned Eucalyptus globulus (EG) clone and Pinus pinaster Aiton kraft pulp and residual lignins. <i>Journal of Analytical and Applied Pyrolysis</i> , 2009 , 85, 19-29	6	19
159	The use of DRAQ5 to monitor intracellular DNA in Escherichia coli by flow cytometry. <i>Journal of Fluorescence</i> , 2010 , 20, 907-14	2.4	19
158	Phenanthroline polyazamacrocycles as G-quadruplex DNA binders. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 2776-2786	3.9	18
157	AS1411 derivatives as carriers of G-quadruplex ligands for cervical cancer cells. <i>International Journal of Pharmaceutics</i> , 2019 , 568, 118511	6.5	18
156	Optimization of fermentation conditions for the production of human soluble catechol-O-methyltransferase by Escherichia coli using artificial neural network. <i>Journal of Biotechnology</i> , 2012 , 160, 161-8	3.7	18
155	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> , 2012 , 912-914, 22-7	3.2	18
154	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, 987-93	1.7	18
153	Potential and limitation of Trametes versicolor laccase on biodegradation of Eucalyptus globulus and Pinus pinaster kraft pulp. <i>Enzyme and Microbial Technology</i> , 2008 , 43, 144-148	3.8	18
152	Cholinium-based Good'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	8.3	18
151	Phthalocyanines for G-quadruplex aptamers binding. <i>Bioorganic Chemistry</i> , 2020 , 100, 103920	5.1	17
150	Trends in proteomic analysis of human vitreous humor samples. <i>Electrophoresis</i> , 2014 , 35, 2495-508	3.6	17
149	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, 116-22	3.2	17

148	Plasmid DNA microgels for a therapeutical strategy combining the delivery of genes and anticancer drugs. <i>Macromolecular Bioscience</i> , 2012 , 12, 1243-52	5.5	17
147	Histidine affinity chromatography-based methodology for the simultaneous isolation of <i>Escherichia coli</i> small and ribosomal RNA. <i>Biomedical Chromatography</i> , 2012 , 26, 781-8	1.7	17
146	Ultrafiltration of supercoiled plasmid DNA: Modeling and application. <i>Journal of Membrane Science</i> , 2011 , 378, 280-289	9.6	17
145	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, 3187-94	2.2	17
144	Thiocarbocyanine as ligand in dye-affinity chromatography for protein purification. <i>Biomedical Chromatography</i> , 2008 , 22, 278-88	1.7	17
143	Plasmid DNA fermentation strategies: influence on plasmid stability and cell physiology. <i>Applied Microbiology and Biotechnology</i> , 2012 , 93, 2571-80	5.7	16
142	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, 361-70	1.4	16
141	Phenanthroline-bis-oxazole ligands for binding and stabilization of G-quadruplexes. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 1281-1292	4	16
140	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, 119-27	4.5	16
139	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, 287-96	4.5	16
138	Advances in time course extracellular production of human pre-miR-29b from <i>Rhodovulum sulfidophilum</i> . <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 3723-34	5.7	15
137	Analysis of Salvinatorin A in urine using microextraction in packed syringe and GC-MS/MS. <i>Bioanalysis</i> , 2013 , 5, 661-8	2.1	15
136	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	5.1	15
135	Influence of buffer systems on <i>Trichoderma reesei</i> Rut C-30 morphology and cellulase production. <i>Electronic Journal of Biotechnology</i> , 2009 , 12,	3.1	15
134	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, 7797-803	11	15
133	Enzymatic removal of plant residues from wool: Application of experimental design techniques for optimization parameters. <i>Biochemical Engineering Journal</i> , 2008 , 41, 157-165	4.2	15
132	Study of the interaction between indole-based compounds and biologically relevant G-quadruplexes. <i>Biochimie</i> , 2017 , 135, 186-195	4.6	14
131	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	6	14

130	A bi-layer electrospun nanofiber membrane for plasmid DNA recovery from fermentation broths. <i>Separation and Purification Technology</i> , 2013 , 112, 20-25	8.3	14
129	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, 3749-51	3.2	14
128	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	9.6	14
127	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	4.8	14
126	Comparative study on the interaction of recombinant human soluble catechol-O-methyltransferase on some hydrophobic adsorbents. <i>Biomedical Chromatography</i> , 2007 , 21, 430-8	1.7	14
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