

João Antônio Queiroz

List of Publications by Year in descending order

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277
papers

8,105
citations

57758

44
h-index

85541

71
g-index

286
all docs

286
docs citations

286
times ranked

8362
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrophobic interaction chromatography of proteins. Journal of Biotechnology, 2001, 87, 143-159.	3.8	351
2	Coriander (<i>Coriandrum sativum</i> L.) essential oil: its antibacterial activity and mode of action evaluated by flow cytometry. Journal of Medical Microbiology, 2011, 60, 1479-1486.	1.8	212
3	G-quadruplex, Friend or Foe: The Role of the G-quartet in Anticancer Strategies. Trends in Molecular Medicine, 2020, 26, 848-861.	6.7	181
4	The influence of culture conditions on mycelial structure and cellulase production by <i>Trichoderma reesei</i> Rut C-30. Enzyme and Microbial Technology, 2000, 26, 394-401.	3.2	172
5	Response surface optimization of enzymatic hydrolysis of <i>Cistus ladanifer</i> and <i>Cytisus striatus</i> for bioethanol production. Biochemical Engineering Journal, 2009, 45, 192-200.	3.6	172
6	Chromatography of plasmid DNA. Journal of Chromatography A, 2005, 1069, 3-22.	3.7	165
7	The role of alternative specimens in toxicological analysis. Biomedical Chromatography, 2008, 22, 795-821.	1.7	163
8	Antimicrobial activity and effects of resveratrol on human pathogenic bacteria. World Journal of Microbiology and Biotechnology, 2010, 26, 1533-1538.	3.6	163
9	Evaluating metabolic stress and plasmid stability in plasmid DNA production by <i>Escherichia coli</i> . Biotechnology Advances, 2012, 30, 691-708.	11.7	148
10	Insights in the pathogenesis and resistance of <i>Arcobacter</i> : A review. Critical Reviews in Microbiology, 2016, 42, 1-20.	6.1	139
11	Affinity chromatography approaches to overcome the challenges of purifying plasmid DNA. Trends in Biotechnology, 2008, 26, 518-525.	9.3	105
12	Assessment of purity and quantification of plasmid DNA in process solutions using high-performance hydrophobic interaction chromatography. Journal of Chromatography A, 2003, 998, 109-117.	3.7	87
13	Genetic diversity, antibiotic resistance and biofilm-forming ability of <i>Arcobacter butzleri</i> isolated from poultry and environment from a Portuguese slaughterhouse. International Journal of Food Microbiology, 2013, 162, 82-88.	4.7	85
14	Production, purification and analysis of an experimental DNA vaccine against rabies. Journal of Gene Medicine, 2001, 3, 577-584.	2.8	82
15	Incorporation of antimicrobial peptides on functionalized cotton gauzes for medical applications. Carbohydrate Polymers, 2015, 127, 451-461.	10.2	80
16	Recombinant pre-miR-29b for Alzheimer's disease therapeutics. Scientific Reports, 2016, 6, 19946.	3.3	79
17	Bacteriostatic versus bactericidal activity of ciprofloxacin in <i>Escherichia coli</i> assessed by flow cytometry using a novel far-red dye. Journal of Antibiotics, 2011, 64, 321-325.	2.0	77
18	Poly(2-ethyl-2-oxazoline)-b-PLA-g-PEI amphiphilic triblock micelles for co-delivery of minicircle DNA and chemotherapeutics. Journal of Controlled Release, 2014, 189, 90-104.	9.9	75

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19	Bioresducible 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.	9.9	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.	2.8	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.	3.7	73
22	Minicircle DNA vectors for gene therapy: advances and applications. <i>Expert Opinion on Biological Therapy</i> , 2015, 15, 353-379.	3.1	73
23	Aptamer-based Targeted Delivery of a G-quadruplex Ligand in Cervical Cancer Cells. <i>Scientific Reports</i> , 2019, 9, 7945.	3.3	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.	3.1	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.	3.2	71
26	Nanoparticle mediated delivery of pure P53 supercoiled plasmid DNA for gene therapy. <i>Journal of Controlled Release</i> , 2011, 156, 212-222.	9.9	63
27	Formulation of chitosan-TPP-pDNA nanocapsules for gene therapy applications. <i>Nanotechnology</i> , 2011, 22, 015101.	2.6	62
28	Hair: a complementary source of bioanalytical information in forensic toxicology. <i>Bioanalysis</i> , 2011, 3, 67-79.	1.5	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.	4.1	59
30	Anti-Helicobacter pylori and urease inhibitory activities of resveratrol and red wine. <i>Food Research International</i> , 2011, 44, 964-969.	6.2	58
31	Specific recognition of supercoiled plasmid DNA in arginine affinity chromatography. <i>Analytical Biochemistry</i> , 2008, 374, 432-434.	2.4	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.	6.4	57
33	Ribonucleic acid purification. <i>Journal of Chromatography A</i> , 2014, 1355, 1-14.	3.7	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.	2.3	54
35	Anti-Candida Activity of Essential Oils. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009, 9, 1292-1305.	2.4	53
36	Advances in chromatographic supports for pharmaceutical-grade plasmid DNA purification. <i>Journal of Separation Science</i> , 2012, 35, 3046-3058.	2.5	53

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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.	4.7	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.	4.8	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.	2.4	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.	3.7	50
41	Folate-Targeted Multifunctional Amino Acid-Chitosan Nanoparticles for Improved Cancer Therapy. <i>Pharmaceutical Research</i> , 2015, 32, 562-577.	3.5	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.	3.7	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.	3.7	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.	2.1	45
46	Current technologies and considerations for drug bioanalysis in oral fluid. <i>Bioanalysis</i> , 2009, 1, 637-667.	1.5	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.	3.7	44
48	Role of microextraction sampling procedures in forensic toxicology. <i>Bioanalysis</i> , 2012, 4, 1805-1826.	1.5	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.	1.5	44
50	Separation and Analysis of Plasmid Denatured Forms Using Hydrophobic Interaction Chromatography. <i>Analytical Biochemistry</i> , 1999, 275, 122-124.	2.4	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.	1.6	42
52	Dynamic binding capacity of plasmid DNA in histidine-agarose chromatography. <i>Biomedical Chromatography</i> , 2007, 21, 993-998.	1.7	41
53	Gel Network Photodisruption: A New Strategy for the Codelivery of Plasmid DNA and Drugs. <i>Langmuir</i> , 2011, 27, 13780-13789.	3.5	41
54	Fluorescent light-up acridine orange derivatives bind and stabilize KRAS-22RT G-quadruplex. <i>Biochimie</i> , 2018, 144, 144-152.	2.6	41

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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.	2.5	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.	1.8	40
57	Genotypic and phenotypic features of <i>Arcobacter butzleri</i> pathogenicity. <i>Microbial Pathogenesis</i> , 2014, 76, 19-25.	2.9	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.	3.7	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.	1.5	39
60	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, 287-294.	5.0	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.	5.5	38
62	Bioanalytical methods for the determination of cocaine and metabolites in human biological samples. <i>Bioanalysis</i> , 2009, 1, 977-1000.	1.5	38
63	Layer-by-Layer Deposition of Antibacterial Polyelectrolytes on Cotton Fibres. <i>Journal of Polymers and the Environment</i> , 2012, 20, 1084-1094.	5.0	38
64	Isolation of PCR DNA fragments using aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2014, 122, 144-148.	7.9	36
65	LC-MS: a powerful tool in workplace drug testing. <i>Drug Testing and Analysis</i> , 2009, 1, 109-115.	2.6	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.	2.8	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.	3.7	35
68	Title is missing!. <i>Biotechnology Letters</i> , 2000, 22, 1397-1400.	2.2	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.	5.2	34
70	Phthalocyanines for G-quadruplex aptamers binding. <i>Bioorganic Chemistry</i> , 2020, 100, 103920.	4.1	34
71	Amino acids-nucleotides biomolecular recognition: from biological occurrence to affinity chromatography. <i>Journal of Molecular Recognition</i> , 2010, 23, 505-518.	2.1	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.	3.7	33

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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.	9.6	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.	3.7	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.	1.8	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.	2.3	32
77	Vitreous humor in the pathologic scope: Insights from proteomic approaches. <i>Proteomics - Clinical Applications</i> , 2015, 9, 187-202.	1.6	31
78	Aptamer-guided acridine derivatives for cervical cancer. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2992-3002.	2.8	31
79	Histidine affinity chromatography of homooligonucleotides. Role of multiple interactions on retention. <i>Biomedical Chromatography</i> , 2009, 23, 745-753.	1.7	30
80	Plasmid DNA purification using a multimodal chromatography resin. <i>Journal of Molecular Recognition</i> , 2014, 27, 184-189.	2.1	30
81	Trends in Protein-Based Biosensor Assemblies for Drug Screening and Pharmaceutical Kinetic Studies. <i>Molecules</i> , 2014, 19, 12461-12485.	3.8	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.	3.7	29
83	Swelling behavior of a new biocompatible plasmid DNA hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 106-112.	5.0	29
84	AS1411 derivatives as carriers of G-quadruplex ligands for cervical cancer cells. <i>International Journal of Pharmaceutics</i> , 2019, 568, 118511.	5.2	29
85	Non-coding RNAs: Emerging from the discovery to therapeutic applications. <i>Biochemical Pharmacology</i> , 2021, 189, 114469.	4.4	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.	2.3	28
87	Influence of Growth Conditions on Plasmid DNA Production. <i>Journal of Microbiology and Biotechnology</i> , 2009, 19, 1408-14.	2.1	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.	1.7	28
89	Trends in proteomic analysis of human vitreous humor samples. <i>Electrophoresis</i> , 2014, 35, 2495-2508.	2.4	28
90	Rhodamine based plasmid DNA nanoparticles for mitochondrial gene therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 129-140.	5.0	28

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91	Mitochondrial Gene Therapy: Advances in Mitochondrial Gene Cloning, Plasmid Production, and Nanosystems Targeted to Mitochondria. <i>Molecular Pharmaceutics</i> , 2017, 14, 626-638.	4.6	28
92	RNA G-quadruplex as supramolecular carrier for cancer-selective delivery. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2019, 142, 473-479.	4.3	28
93	p53 as the Focus of Gene Therapy: Past, Present and Future. <i>Current Drug Targets</i> , 2018, 19, 1801-1817.	2.1	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.	3.7	27
95	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 771-775.	2.2	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.	3.0	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.	3.7	27
98	Biofunctionalized nanoparticles with pH-responsive and cell penetrating blocks for gene delivery. <i>Nanotechnology</i> , 2013, 24, 275101.	2.6	26
99	Current progress on <scp>microRNAs</scp>-based therapeutics in neurodegenerative diseases. <i>Wiley Interdisciplinary Reviews RNA</i> , 2017, 8, e1409.	6.4	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.	5.0	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.	2.9	25
102	Thiacarbocyanine as ligand in dye- α -affinity chromatography for protein purification. <i>Biomedical Chromatography</i> , 2008, 22, 278-288.	1.7	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.	2.3	25
104	Supercoiled plasmid quality assessment by analytical arginine-affinity chromatography. <i>Journal of Chromatography A</i> , 2011, 1218, 124-129.	3.7	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- α -surfactant complexes as potential gene delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 133, 156-163.	5.0	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.	5.0	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.	5.0	25

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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.	3.7	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.	2.1	24
111	Smart micelleplexes as a new therapeutic approach for RNA delivery. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 353-371.	5.0	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.	6.7	24
113	Hydrophobic interaction chromatography of homo-oligonucleotides on derivatized Sepharose CL-6B. <i>Journal of Chromatography A</i> , 2002, 944, 119-128.	3.7	23
114	Rapid quantification of supercoiled plasmid deoxyribonucleic acid using a monolithic ion exchanger. <i>Journal of Chromatography A</i> , 2013, 1291, 114-121.	3.7	23
115	Phenanthroline polyazamacrocycles as G-quadruplex DNA binders. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2776-2786.	2.8	23
116	Hydrophobic interaction chromatography of <i>Chromobacterium viscosum</i> lipase. <i>Journal of Chromatography A</i> , 1995, 707, 137-142.	3.7	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.	1.7	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.	8.2	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.	1.7	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.	2.5	22
121	Ultrafiltration of supercoiled plasmid DNA: Modeling and application. <i>Journal of Membrane Science</i> , 2011, 378, 280-289.	8.2	22
122	Minicircle DNA: The Future for DNA-Based Vectors?. <i>Trends in Biotechnology</i> , 2020, 38, 1047-1051.	9.3	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.	5.5	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.	3.8	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.	1.7	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.	2.3	21

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127	Stimuli-responsive polyamine-DNA blend nanogels for co-delivery in cancer therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 132, 194-201.	5.0	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.	2.4	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.	3.7	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.	2.5	20
131	Thiacarbocyanine 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.	1.7	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.	2.3	20
133	Study of the interaction between indole-based compounds and biologically relevant G-quadruplexes. <i>Biochimie</i> , 2017, 135, 186-195.	2.6	20
134	Integrated Extraction-Preservation Strategies for RNA Using Biobased Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9439-9448.	6.7	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.	2.6	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.	3.6	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.	3.2	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.	1.4	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.	4.7	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.	4.9	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.	5.0	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.	8.2	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.	1.5	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.	2.3	18

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145	Plasmid DNA Microgels for a Therapeutical Strategy Combining the Delivery of Genes and Anticancer Drugs. <i>Macromolecular Bioscience</i> , 2012, 12, 1243-1252.	4.1	18
146	Plasmid DNA fermentation strategies: influence on plasmid stability and cell physiology. <i>Applied Microbiology and Biotechnology</i> , 2012, 93, 2571-2580.	3.6	18
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