

Joo Antnio Queiroz

List of Publications by Year in Descending Order

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Version: 2024-04-27

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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	Arginine-Affinity Chromatography for Nucleic Acid (DNA and RNA) Isolation.. <i>Methods in Molecular Biology</i> , 2022 , 2466, 135-144	1.4	
272	Minicircle DNA Vaccine Purification and E7 Antigen Expression Assessment. <i>Methods in Molecular Biology</i> , 2021 , 2197, 207-222	1.4	0
271	Conception of Plasmid DNA and Polyethylenimine Delivery Systems with Potential Application in DNA Vaccines Field. <i>Methods in Molecular Biology</i> , 2021 , 2197, 271-284	1.4	1
270	Effect of Plasmid DNA Size on Chitosan or Polyethyleneimine Polyplexes Formulation. <i>Polymers</i> , 2021 , 13,	4.5	5
269	Non-coding RNAs: Emerging from the discovery to therapeutic applications. <i>Biochemical Pharmacology</i> , 2021 , 189, 114469	6	8
268	Nucleolin as a potential biomarker for canine malignant neoplasia. <i>Research in Veterinary Science</i> , 2021 , 135, 297-303	2.5	1
267	The Performance of Minicircle DNA Versus Parental Plasmid in Gene Delivery Into HPV-18-Infected Cervical Cancer Cells. <i>Nucleic Acid Therapeutics</i> , 2021 , 31, 82-91	4.8	2
266	Human Papillomavirus G-Rich Regions as Potential Antiviral Drug Targets. <i>Nucleic Acid Therapeutics</i> , 2021 , 31, 68-81	4.8	6
265	Dilemma on plasmid DNA purification: binding capacity vs selectivity. <i>Journal of Chromatography A</i> , 2021 , 1637, 461848	4.5	3
264	Applications of gellan natural polymer microspheres in recombinant catechol-O-methyltransferase direct capture from a Komagataella pastoris lysate. <i>International Journal of Biological Macromolecules</i> , 2021 , 172, 186-196	7.9	0
263	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	6	1
262	A new insight in gellan microspheres application to capture a plasmid DNA vaccine from an Escherichia coli lysate. <i>Separation and Purification Technology</i> , 2021 , 274, 119013	8.3	0
261	Discovery of Small Molecules as Membrane-Bound Catechol--methyltransferase Inhibitors with Interest in Parkinson's Disease: Pharmacophore Modeling, Molecular Docking and In Vitro Experimental Validation Studies.. <i>Pharmaceuticals</i> , 2021 , 15,	5.2	2
260	Improved ionic-liquid-functionalized macroporous supports able to purify nucleic acids in one step. <i>Materials Today Bio</i> , 2020 , 8, 100086	9.9	1
259	Phthalocyanines for G-quadruplex aptamers binding. <i>Bioorganic Chemistry</i> , 2020 , 100, 103920	5.1	17
258	Minicircle DNA: The Future for DNA-Based Vectors?. <i>Trends in Biotechnology</i> , 2020 , 38, 1047-1051	15.1	10
257	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	6.4	3

256	Characterization of a Parkinson's disease rat model using an upgraded paraquat exposure paradigm. <i>European Journal of Neuroscience</i> , 2020 , 52, 3242-3255	3.5	8
255	Purification of supercoiled p53-encoding plasmid using an arginine-modified macroporous support. <i>Journal of Chromatography A</i> , 2020 , 1618, 460890	4.5	2
254	Design of experiments to select triphenylphosphonium-polyplexes with suitable physicochemical properties for mitochondrial gene therapy. <i>Journal of Molecular Liquids</i> , 2020 , 302, 112488	6	5
253	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
252	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	6	13
251	Quality assessment of supercoiled minicircle DNA by cadaverine-modified analytical chromatographic monolith. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020 , 180, 113037	3.5	2
250	Brain-Targeted Delivery of Pre-miR-29b Using Lactoferrin-Stearic Acid-Modified-Chitosan/Polyethyleneimine Polyplexes. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	6
249	Ligand screening to pre-miRNA 149 G-quadruplex investigated by molecular dynamics. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020 , 38, 2276-2286	3.6	6
248	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	4.5	7
247	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	6	4
246	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	6	12
245	Smoothing membrane protein structure determination by initial upstream stage improvements. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 5483-5500	5.7	3
244	Aptamer-based Targeted Delivery of a G-quadruplex Ligand in Cervical Cancer Cells. <i>Scientific Reports</i> , 2019 , 9, 7945	4.9	40
243	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	3.2	9
242	Integrated Extraction-Preservation Strategies for RNA Using Biobased Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 9439-9448	8.3	10
241	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
240	Plasmid production and purification: An integrated experiment-based biochemistry and biotechnology laboratory course. <i>Biochemistry and Molecular Biology Education</i> , 2019 , 47, 638-643	1.3	
239	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

238	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
237	AS1411 derivatives as carriers of G-quadruplex ligands for cervical cancer cells. <i>International Journal of Pharmaceutics</i> , 2019 , 568, 118511	6.5	18
236	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	6	12
235	Aptamer-guided acridine derivatives for cervical cancer. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 2992-3002	3.9	21
234	Effect of Chromatographic Conditions on Supercoiled Plasmid DNA Stability and Bioactivity. <i>Applied Sciences (Switzerland)</i> , 2019 , 9, 5170	2.6	6
233	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	3.2	9
232	Development of a bioreactor system for cytotoxic evaluation of pharmacological compounds in living cells using NMR spectroscopy. <i>Journal of Pharmacological and Toxicological Methods</i> , 2019 , 95, 70-78	1.7	8
231	HPV-16 targeted DNA vaccine expression: The role of purification. <i>Biotechnology Progress</i> , 2018 , 34, 546-551	5.1	3
230	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	3.2	4
229	Phenanthroline polyazamacrocycles as G-quadruplex DNA binders. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 2776-2786	3.9	18
228	p53 as the Focus of Gene Therapy: Past, Present and Future. <i>Current Drug Targets</i> , 2018 , 19, 1801-1817	3	20
227	Fluorescent light-up acridine orange derivatives bind and stabilize KRAS-22RT G-quadruplex. <i>Biochimie</i> , 2018 , 144, 144-152	4.6	30
226	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
225	The biological performance of purified supercoiled p53 plasmid DNA in different cancer cell lines. <i>Process Biochemistry</i> , 2018 , 75, 240-249	4.8	8
224	DNA-Based Hydrogels: An Approach for Multifunctional Bioapplications. <i>Gels Horizons: From Science To Smart Materials</i> , 2018 , 339-356		1
223	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
222	Study of the interaction between indole-based compounds and biologically relevant G-quadruplexes. <i>Biochimie</i> , 2017 , 135, 186-195	4.6	14
221	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

220	New insights for therapeutic recombinant human miRNAs heterologous production: Rhodovulum sulfidophilum vs Escherichia coli. <i>Bioengineered</i> , 2017 , 8, 670-677	5.7	12
219	Highly selective capture of minicircle DNA biopharmaceuticals by a novel zinc-histidine peptide conjugate. <i>Separation and Purification Technology</i> , 2017 , 174, 417-424	8.3	4
218	Chromatographic HPV-16 E6/E7 plasmid vaccine purification employing L-histidine and 1-benzyl-L-histidine affinity ligands. <i>Electrophoresis</i> , 2017 , 38, 2975-2980	3.6	6
217	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
216	Targeting of Cellular Organelles by Fluorescent Plasmid DNA Nanoparticles. <i>Biomacromolecules</i> , 2017 , 18, 2928-2936	6.9	6
215	Naphthalene amine support for G-quadruplex isolation. <i>Analyst, The</i> , 2017 , 142, 2982-2994	5	3
214	Plasmid purification by using a new naphthalene tripod support. <i>Separation and Purification Technology</i> , 2017 , 188, 81-89	8.3	5
213	Smart micelleplexes as a new therapeutic approach for RNA delivery. <i>Expert Opinion on Drug Delivery</i> , 2017 , 14, 353-371	8	20
212	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
211	Current progress on microRNAs-based therapeutics in neurodegenerative diseases. <i>Wiley Interdisciplinary Reviews RNA</i> , 2017 , 8, e1409	9.3	24
210	Insights in the pathogenesis and resistance of Arcobacter: A review. <i>Critical Reviews in Microbiology</i> , 2016 , 42, 364-83	7.8	81
209	Recombinant pre-miR-29b for Alzheimer's disease therapeutics. <i>Scientific Reports</i> , 2016 , 6, 19946	4.9	59
208	Stabilization of novel immunoglobulin switch regions G-quadruplexes by naphthalene and quinoline-based ligands. <i>Tetrahedron</i> , 2016 , 72, 1229-1237	2.4	8
207	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	3.2	3
206	Advances in time course extracellular production of human pre-miR-29b from Rhodovulum sulfidophilum. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 3723-34	5.7	15
205	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	3.2	11
204	Purification of supercoiled G-quadruplex pDNA for in vitro transcription. <i>Separation and Purification Technology</i> , 2016 , 163, 59-71	8.3	6
203	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, 153-61	3.2	9

202	Multifunctional nanocarriers for codelivery of nucleic acids and chemotherapeutics to cancer cells 2016 , 163-207		4
201	Biosynthesis and purification of histidine-tagged human soluble catechol-O-methyltransferase. <i>Journal of Chemical Technology and Biotechnology</i> , 2016 , 91, 3035-3044	3.5	4
200	CaptolResins 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	2.1	1
199	L-tryptophan and dipeptide derivatives for supercoiled plasmid DNA purification. <i>International Journal of Biological Macromolecules</i> , 2016 , 87, 385-96	7.9	5
198	Minicircle DNA purification using a CIM DEAE-1 monolithic support. <i>Journal of Separation Science</i> , 2016 , 39, 3544-9	3.4	10
197	3,3TDiamino-N-methyldipropylamine as a versatile affinity ligand. <i>Journal of Separation Science</i> , 2015 , 38, 732-40	3.4	
196	Modification of microfiltration membranes by hydrogel impregnation for pDNA purification. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	9
195	Enhanced biosynthesis of plasmid DNA from Escherichia coli VH33 using BoxBehnken design associated to aromatic amino acids pathway. <i>Biochemical Engineering Journal</i> , 2015 , 98, 117-126	4.2	7
194	Polyethylenimine coated plasmid DNA-surfactant complexes as potential gene delivery systems. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 133, 156-63	6	22
193	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
192	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
191	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
190	Incorporation of antimicrobial peptides on functionalized cotton gauzes for medical applications. <i>Carbohydrate Polymers</i> , 2015 , 127, 451-61	10.3	67
189	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	5.1	6
188	Screening of L-histidine-based ligands to modify monolithic supports and selectively purify the supercoiled plasmid DNA isoform. <i>Journal of Molecular Recognition</i> , 2015 , 28, 349-58	2.6	4
187	Application of ethylenediamine monolith to purify a hemagglutinin influenza deoxyribonucleic acid-based vaccine. <i>Separation and Purification Technology</i> , 2015 , 154, 320-327	8.3	7
186	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	3.2	6
185	Preparative isolation of polymerase chain reaction products using mixed-mode chromatography. <i>Analytical Biochemistry</i> , 2015 , 489, 73-5	3.1	4

184	Layer-by-Layer Assembly for Biofunctionalization of Cellulosic Fibers with Emergent Antimicrobial Agents. <i>Advances in Polymer Science</i> , 2015 , 225-240	1.3	5
183	The role of liquid-phase microextraction techniques in bioanalysis. <i>Bioanalysis</i> , 2015 , 7, 2195-201	2.1	13
182	Minicircle DNA vectors for gene therapy: advances and applications. <i>Expert Opinion on Biological Therapy</i> , 2015 , 15, 353-79	5.4	56
181	Quantitative analysis of the interaction between l-methionine derivative and oligonucleotides. <i>Journal of Biochemistry</i> , 2015 , 157, 261-70	3.1	
180	Plasmid DNA nanogels as photoresponsive materials for multifunctional bio-applications. <i>Journal of Biotechnology</i> , 2015 , 202, 98-104	3.7	13
179	Low-cost purification of nisin from milk whey to a highly active product. <i>Food and Bioprocess Processing</i> , 2015 , 93, 115-121	4.9	11
178	Folate-targeted multifunctional amino acid-chitosan nanoparticles for improved cancer therapy. <i>Pharmaceutical Research</i> , 2015 , 32, 562-77	4.5	40
177	Responsive Plasmid DNA Hydrogels: A New Approach for Biomedical Applications 2015 , 145-162		
176	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	6.4	7
175	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
174	Vitreous humor in the pathologic scope: insights from proteomic approaches. <i>Proteomics - Clinical Applications</i> , 2015 , 9, 187-202	3.1	24
173	p53-Encoding pDNA Purification by Affinity Chromatography for Cancer Therapy. <i>Methods in Molecular Biology</i> , 2015 , 1317, 109-24	1.4	
172	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, 220-5	2.9	28
171	Plasmid DNA purification using a multimodal chromatography resin. <i>Journal of Molecular Recognition</i> , 2014 , 27, 184-9	2.6	26
170	Plasmid DNA hydrogels for biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2014 , 205, 257-64	14.3	12
169	NMR screening of new carbocyanine dyes as ligands for affinity chromatography. <i>Journal of Molecular Recognition</i> , 2014 , 27, 197-204	2.6	1
168	New approach for purification of pre-miR-29 using lysine-affinity chromatography. <i>Journal of Chromatography A</i> , 2014 , 1331, 129-32	4.5	10
167	Improved minicircle DNA biosynthesis for gene therapy applications. <i>Human Gene Therapy Methods</i> , 2014 , 25, 93-105	4.9	23

166	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
165	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
164	Molecular recognition of oligonucleotides and plasmid DNA by L-methionine. <i>Journal of Molecular Recognition</i> , 2014 , 27, 588-96	2.6	3
163	Genotypic and phenotypic features of <i>Arcobacter butzleri</i> pathogenicity. <i>Microbial Pathogenesis</i> , 2014 , 76, 19-25	3.8	30
162	Quantitative analysis of histamine- and agmatine-DNA interactions using surface plasmon resonance. <i>International Journal of Biological Macromolecules</i> , 2014 , 70, 131-7	7.9	4
161	Plasmid DNA purification by integrating membrane technology with arginine affinity chromatography. <i>New Biotechnology</i> , 2014 , 31, S120	6.4	
160	Binding mechanisms for histamine and agmatine ligands in plasmid deoxyribonucleic acid purifications. <i>Journal of Chromatography A</i> , 2014 , 1366, 110-9	4.5	10
159	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
158	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
157	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, 2284-92	3.4	12
156	Ribonucleic acid purification. <i>Journal of Chromatography A</i> , 2014 , 1355, 1-14	4.5	33
155	Trends in proteomic analysis of human vitreous humor samples. <i>Electrophoresis</i> , 2014 , 35, 2495-508	3.6	17
154	Histamine monolith versatility to purify supercoiled plasmid deoxyribonucleic acid from <i>Escherichia coli</i> lysate. <i>Journal of Chromatography A</i> , 2014 , 1355, 125-33	4.5	22
153	Supercoiled plasmid DNA purification by integrating membrane technology with a monolithic chromatography. <i>Journal of Separation Science</i> , 2014 , 37, 1229-36	3.4	5
152	Development of fed-batch profiles for efficient biosynthesis of catechol-methyltransferase. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2014 , 3, 34-41	5.3	3
151	Rhodamine based plasmid DNA nanoparticles for mitochondrial gene therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 121, 129-40	6	24
150	Selective purification of supercoiled p53-encoding pDNA with L-methionine-agarose matrix. <i>Analytical Biochemistry</i> , 2014 , 459, 61-9	3.1	8
149	Isolation of PCR DNA fragments using aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2014 , 122, 144-148	8.3	27

148	Trends in protein-based biosensor assemblies for drug screening and pharmaceutical kinetic studies. <i>Molecules</i> , 2014 , 19, 12461-85	4.8	22
147	New biomaterial based on cotton with incorporated Biomolecules. <i>Journal of Applied Polymer Science</i> , 2014 , 131, n/a-n/a	2.9	6
146	Recovery of biological active catechol-O-methyltransferase isoforms from Q-sepharose. <i>Journal of Separation Science</i> , 2014 , 37, 20-9	3.4	6
145	Pharmaceutical-grade pre-miR-29 purification using an agmatine monolithic support. <i>Journal of Chromatography A</i> , 2014 , 1368, 173-82	4.5	7
144	Plasmid DNA/RNA separation by ultrafiltration: Modeling and application study. <i>Journal of Membrane Science</i> , 2014 , 463, 1-10	9.6	7
143	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
142	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
141	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
140	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
139	Protein purification by aminosquarylium cyanine dye-affinity chromatography. <i>Biomedical Chromatography</i> , 2013 , 27, 1671-9	1.7	7
138	Hydrophobic Interaction Chromatography 2013 , 121-141		8
137	Nucleic acid and protein extraction from electroporomeabilized E. coli cells on a microfluidic chip. <i>Analyst, The</i> , 2013 , 138, 7347-53	5	9
136	Association of Thymbra capitata 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	2.5	11
135	Polyazamacrocycles as potential antitumor agents for human prostate cancer cells. <i>Chemical Biology and Drug Design</i> , 2013 , 81, 517-26	2.9	5
134	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
133	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, 40-4	4.5	11
132	Binding analysis between L-histidine immobilized and oligonucleotides by SPR and NMR. <i>International Journal of Biological Macromolecules</i> , 2013 , 56, 175-80	7.9	13
131	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

130	Performance of hydrophobic interaction ligands for human membrane-bound catechol-O-methyltransferase purification. <i>Journal of Separation Science</i> , 2013 , 36, 1693-702	3.4	6
129	Sensitive detection of peptide-minicircle DNA interactions by surface plasmon resonance. <i>Analytical Chemistry</i> , 2013 , 85, 2304-11	7.8	10
128	Affinity analysis between immobilized L-arginine and plasmid isoforms provided by surface plasmon resonance. <i>Analytical Methods</i> , 2013 , 5, 1682	3.2	7
127	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
126	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
125	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, 86-7	3.2	18
124	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
123	Biofunctionalized nanoparticles with pH-responsive and cell penetrating blocks for gene delivery. <i>Nanotechnology</i> , 2013 , 24, 275101	3.4	24
122	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
121	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
120	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
119	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, 8849-58	4.4	8
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