

João Antônio Queiroz

List of Publications by Year in descending order

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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 | 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 |
| 2 | Arginine-Affinity Chromatography for Nucleic Acid (DNA and RNA) Isolation. <i>Methods in Molecular Biology</i> , 2022, 2466, 135-144. | 0.4 | 1 |
| 3 | 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 |
| 4 | Nucleolin as a potential biomarker for canine malignant neoplasia. <i>Research in Veterinary Science</i> , 2021, 135, 297-303. | 0.9 | 5 |
| 5 | The Performance of Minicircle DNA Versus Parental Plasmid in <i>p53</i> Gene Delivery Into HPV-18-Infected Cervical Cancer Cells. <i>Nucleic Acid Therapeutics</i> , 2021, 31, 82-91. | 2.0 | 11 |
| 6 | Human Papillomavirus G-Rich Regions as Potential Antiviral Drug Targets. <i>Nucleic Acid Therapeutics</i> , 2021, 31, 68-81. | 2.0 | 15 |
| 7 | Dilemma on plasmid DNA purification: binding capacity vs selectivity. <i>Journal of Chromatography A</i> , 2021, 1637, 461848. | 1.8 | 13 |
| 8 | 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 |
| 9 | Effect of Plasmid DNA Size on Chitosan or Polyethyleneimine Polyplexes Formulation. <i>Polymers</i> , 2021, 13, 793. | 2.0 | 16 |
| 10 | Non-coding RNAs: Emerging from the discovery to therapeutic applications. <i>Biochemical Pharmacology</i> , 2021, 189, 114469. | 2.0 | 29 |
| 11 | 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 |
| 12 | 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 |
| 13 | Minicircle DNA Vaccine Purification and E7 Antigen Expression Assessment. <i>Methods in Molecular Biology</i> , 2021, 2197, 207-222. | 0.4 | 2 |
| 14 | Conception of Plasmid DNA and Polyethyleneimine Delivery Systems with Potential Application in Field. <i>Methods in Molecular Biology</i> , 2021, 2197, 271-284. | 0.4 | 1 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

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|----|---|-----|-----------|
| 19 | Brain-Targeted Delivery of Pre-miR-29b Using Lactoferrin-Stearic Acid-Modified-Chitosan/Polyethyleneimine Polyplexes. <i>Pharmaceuticals</i> , 2020, 13, 314. | 1.7 | 13 |
| 20 | 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 |
| 21 | Phthalocyanines for G-quadruplex aptamers binding. <i>Bioorganic Chemistry</i> , 2020, 100, 103920. | 2.0 | 34 |
| 22 | Minicircle DNA: The Future for DNA-Based Vectors?. <i>Trends in Biotechnology</i> , 2020, 38, 1047-1051. | 4.9 | 22 |
| 23 | 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 |
| 24 | 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 |
| 25 | Purification of supercoiled p53-encoding plasmid using an arginine-modified macroporous support. <i>Journal of Chromatography A</i> , 2020, 1618, 460890. | 1.8 | 7 |
| 26 | 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 |
| 27 | 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 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | AS1411 derivatives as carriers of G-quadruplex ligands for cervical cancer cells. <i>International Journal of Pharmaceutics</i> , 2019, 568, 118511. | 2.6 | 29 |
| 33 | 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 |
| 34 | 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 |
| 35 | Smoothing membrane protein structure determination by initial upstream stage improvements. <i>Applied Microbiology and Biotechnology</i> , 2019, 103, 5483-5500. | 1.7 | 6 |
| 36 | Aptamer-based Targeted Delivery of a G-quadruplex Ligand in Cervical Cancer Cells. <i>Scientific Reports</i> , 2019, 9, 7945. | 1.6 | 73 |

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|----|---|-----|-----------|
| 37 | 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 |
| 38 | Integrated Extraction-Preservation Strategies for RNA Using Biobased Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 9439-9448. | 3.2 | 20 |
| 39 | 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 |
| 40 | Aptamer-guided acridine derivatives for cervical cancer. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2992-3002. | 1.5 | 31 |
| 41 | Effect of Chromatographic Conditions on Supercoiled Plasmid DNA Stability and Bioactivity. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5170. | 1.3 | 9 |
| 42 | 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 |
| 43 | 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. | 0.3 | 15 |
| 44 | HPV16 targeted DNA vaccine expression: The role of purification. <i>Biotechnology Progress</i> , 2018, 34, 546-551. | 1.3 | 5 |
| 45 | 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 |
| 46 | Phenanthroline polyazamacrocycles as G-quadruplex DNA binders. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2776-2786. | 1.5 | 23 |
| 47 | Fluorescent light-up acridine orange derivatives bind and stabilize KRAS-22RT G-quadruplex. <i>Biochimie</i> , 2018, 144, 144-152. | 1.3 | 41 |
| 48 | 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 |
| 49 | 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 |
| 50 | DNA-Based Hydrogels: An Approach for Multifunctional Bioapplications. <i>Gels Horizons: From Science To Smart Materials</i> , 2018, , 339-356. | 0.3 | 1 |
| 51 | 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 |
| 52 | p53 as the Focus of Gene Therapy: Past, Present and Future. <i>Current Drug Targets</i> , 2018, 19, 1801-1817. | 1.0 | 28 |
| 53 | Study of the interaction between indole-based compounds and biologically relevant G-quadruplexes. <i>Biochimie</i> , 2017, 135, 186-195. | 1.3 | 20 |
| 54 | 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 |

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|----|---|-----|-----------|
| 55 | 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 |
| 56 | 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 |
| 57 | Chromatographic HPV16 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 |
| 58 | 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 |
| 59 | Targeting of Cellular Organelles by Fluorescent Plasmid DNA Nanoparticles. <i>Biomacromolecules</i> , 2017, 18, 2928-2936. | 2.6 | 7 |
| 60 | Naphthalene amine support for G-quadruplex isolation. <i>Analyst</i> , 2017, 142, 2982-2994. | 1.7 | 5 |
| 61 | Plasmid purification by using a new naphthalene tripodal support. <i>Separation and Purification Technology</i> , 2017, 188, 81-89. | 3.9 | 7 |
| 62 | Smart micelleplexes as a new therapeutic approach for RNA delivery. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 353-371. | 2.4 | 24 |
| 63 | 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 |
| 64 | Current progress on microRNAs-based therapeutics in neurodegenerative diseases. <i>Wiley Interdisciplinary Reviews RNA</i> , 2017, 8, e1409. | 3.2 | 26 |
| 65 | 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 |
| 66 | Multifunctional nanocarriers for codelivery of nucleic acids and chemotherapeutics to cancer cells. <i>Journal of Materials Chemistry B</i> , 2016, 4, 163-207. | | 5 |
| 67 | Biosynthesis and purification of histidine-tagged human soluble catechol-O-methyltransferase. <i>Journal of Chemical Technology and Biotechnology</i> , 2016, 91, 3035-3044. | 1.6 | 7 |
| 68 | Cationic 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 |
| 69 | L-tryptophan and dipeptide derivatives for supercoiled plasmid DNA purification. <i>International Journal of Biological Macromolecules</i> , 2016, 87, 385-396. | 3.6 | 5 |
| 70 | Minicircle DNA purification using a CIM® DEAE monolithic support. <i>Journal of Separation Science</i> , 2016, 39, 3544-3549. | 1.3 | 13 |
| 71 | Recombinant pre-miR-29b for Alzheimer's disease therapeutics. <i>Scientific Reports</i> , 2016, 6, 19946. | 1.6 | 79 |
| 72 | Stabilization of novel immunoglobulin switch regions G-quadruplexes by naphthalene and quinoline-based ligands. <i>Tetrahedron</i> , 2016, 72, 1229-1237. | 1.0 | 12 |

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|----|---|-----|-----------|
| 73 | 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 |
| 74 | 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 |
| 75 | 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 |
| 76 | Purification of supercoiled G-quadruplex pDNA for in vitro transcription. <i>Separation and Purification Technology</i> , 2016, 163, 59-71. | 3.9 | 7 |
| 77 | Purification of influenza deoxyribonucleic acid-based vaccine using arginine monolith. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1012-1013, 153-161. | 1.2 | 11 |
| 78 | 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 |
| 79 | 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 |
| 80 | Vitreous humor in the pathologic scope: Insights from proteomic approaches. <i>Proteomics - Clinical Applications</i> , 2015, 9, 187-202. | 0.8 | 31 |
| 81 | 3,3'-diaminodipropylamine as a versatile affinity ligand. <i>Journal of Separation Science</i> , 2015, 38, 732-740. | 1.3 | 0 |
| 82 | Modification of microfiltration membranes by hydrogel impregnation for pDNA purification. <i>Journal of Applied Polymer Science</i> , 2015, 132, . | 1.3 | 10 |
| 83 | 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 |
| 84 | 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 |
| 85 | 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 |
| 86 | 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. | 2.5 | 39 |
| 87 | 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 |
| 88 | Incorporation of antimicrobial peptides on functionalized cotton gauzes for medical applications. <i>Carbohydrate Polymers</i> , 2015, 127, 451-461. | 5.1 | 80 |
| 89 | 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 |
| 90 | Screening of 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 |

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|-----|---|-----|-----------|
| 91 | Application of ethylenediamine monolith to purify a hemagglutinin influenza deoxyribonucleic acid-based vaccine. Separation and Purification Technology, 2015, 154, 320-327. | 3.9 | 10 |
| 92 | Affinity analysis and application of dipeptides derived from l-tyrosine in plasmid purification. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2015, 1006, 47-58. | 1.2 | 6 |
| 93 | Preparative isolation of polymerase chain reaction products using mixed-mode chromatography. Analytical Biochemistry, 2015, 489, 73-75. | 1.1 | 6 |
| 94 | Layer-by-Layer Assembly for Biofunctionalization of Cellulosic Fibers with Emergent Antimicrobial Agents. Advances in Polymer Science, 2015, , 225-240. | 0.4 | 8 |
| 95 | The role of liquid-phase microextraction techniques in bioanalysis. Bioanalysis, 2015, 7, 2195-2201. | 0.6 | 14 |
| 96 | Minicircle DNA vectors for gene therapy: advances and applications. Expert Opinion on Biological Therapy, 2015, 15, 353-379. | 1.4 | 73 |
| 97 | Quantitative analysis of the interaction between L-methionine derivative and oligonucleotides. Journal of Biochemistry, 2015, 157, 261-270. | 0.9 | 0 |
| 98 | Plasmid DNA nanogels as photoresponsive materials for multifunctional bio-applications. Journal of Biotechnology, 2015, 202, 98-104. | 1.9 | 16 |
| 99 | Low-cost purification of nisin from milk whey to a highly active product. Food and Bioproducts Processing, 2015, 93, 115-121. | 1.8 | 15 |
| 100 | Folate-Targeted Multifunctional Amino Acid-Chitosan Nanoparticles for Improved Cancer Therapy. Pharmaceutical Research, 2015, 32, 562-577. | 1.7 | 48 |
| 101 | p53-Encoding pDNA Purification by Affinity Chromatography for Cancer Therapy. Methods in Molecular Biology, 2015, 1317, 109-124. | 0.4 | 0 |
| 102 | Recovery of biological active catechol-O-methyltransferase isoforms from Q-sepharose. Journal of Separation Science, 2014, 37, 20-29. | 1.3 | 10 |
| 103 | Pharmaceutical-grade pre-miR-29 purification using an agmatine monolithic support. Journal of Chromatography A, 2014, 1368, 173-182. | 1.8 | 9 |
| 104 | Plasmid DNA/RNA separation by ultrafiltration: Modeling and application study. Journal of Membrane Science, 2014, 463, 1-10. | 4.1 | 8 |
| 105 | Purification of pre-miR-29 by a new O-phospho-l-tyrosine affinity chromatographic strategy optimized using design of experiments. Journal of Chromatography A, 2014, 1343, 119-127. | 1.8 | 16 |
| 106 | Plasmid DNA microgels for drug/gene co-delivery: A promising approach for cancer therapy. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 442, 181-190. | 2.3 | 19 |
| 107 | Molecular diagnosis of Arcobacter and Campylobacter in diarrhoeal samples among Portuguese patients. Diagnostic Microbiology and Infectious Disease, 2014, 78, 220-225. | 0.8 | 40 |
| 108 | Plasmid DNA purification using a multimodal chromatography resin. Journal of Molecular Recognition, 2014, 27, 184-189. | 1.1 | 30 |

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|-----|---|-----|-----------|
| 109 | Plasmid DNA hydrogels for biomedical applications. <i>Advances in Colloid and Interface Science</i> , 2014, 205, 257-264. | 7.0 | 15 |
| 110 | NMR screening of new carbocyanine dyes as ligands for affinity chromatography. <i>Journal of Molecular Recognition</i> , 2014, 27, 197-204. | 1.1 | 1 |
| 111 | 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 |
| 112 | Improved Minicircle DNA Biosynthesis for Gene Therapy Applications. <i>Human Gene Therapy Methods</i> , 2014, 25, 93-105. | 2.1 | 25 |
| 113 | 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 |
| 114 | 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 |
| 115 | Molecular recognition of oligonucleotides and plasmid DNA by <i>scp</i> -methionine. <i>Journal of Molecular Recognition</i> , 2014, 27, 588-596. | 1.1 | 3 |
| 116 | Genotypic and phenotypic features of <i>Arcobacter butzleri</i> pathogenicity. <i>Microbial Pathogenesis</i> , 2014, 76, 19-25. | 1.3 | 40 |
| 117 | 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 |
| 118 | Plasmid DNA purification by integrating membrane technology with arginine affinity chromatography. <i>New Biotechnology</i> , 2014, 31, S120. | 2.4 | 0 |
| 119 | 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 |
| 120 | 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 |
| 121 | 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. | 4.8 | 75 |
| 122 | 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 |
| 123 | Ribonucleic acid purification. <i>Journal of Chromatography A</i> , 2014, 1355, 1-14. | 1.8 | 54 |
| 124 | Trends in proteomic analysis of human vitreous humor samples. <i>Electrophoresis</i> , 2014, 35, 2495-2508. | 1.3 | 28 |
| 125 | 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 |
| 126 | Supercoiled plasmid <i>scp</i> -DNA purification by integrating membrane technology with a monolithic chromatography. <i>Journal of Separation Science</i> , 2014, 37, 1229-1236. | 1.3 | 6 |

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|-----|--|-----|-----------|
| 127 | 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 |
| 128 | Rhodamine based plasmid DNA nanoparticles for mitochondrial gene therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 121, 129-140. | 2.5 | 28 |
| 129 | Selective purification of supercoiled p53-encoding pDNA with L-methionine-agarose matrix. <i>Analytical Biochemistry</i> , 2014, 459, 61-69. | 1.1 | 8 |
| 130 | Isolation of PCR DNA fragments using aqueous two-phase systems. <i>Separation and Purification Technology</i> , 2014, 122, 144-148. | 3.9 | 36 |
| 131 | Trends in Protein-Based Biosensor Assemblies for Drug Screening and Pharmaceutical Kinetic Studies. <i>Molecules</i> , 2014, 19, 12461-12485. | 1.7 | 30 |
| 132 | New biomaterial based on cotton with incorporated Biomolecules. <i>Journal of Applied Polymer Science</i> , 2014, 131, . | 1.3 | 7 |
| 133 | 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 |
| 134 | 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 |
| 135 | Protein purification by aminosquarylium cyanine dye-affinity chromatography. <i>Biomedical Chromatography</i> , 2013, 27, 1671-1679. | 0.8 | 10 |
| 136 | Hydrophobic Interaction Chromatography. , 2013, , 121-141. | | 9 |
| 137 | Nucleic acid and protein extraction from electroporated E. coli cells on a microfluidic chip. <i>Analyst</i> , The, 2013, 138, 7347. | 1.7 | 10 |
| 138 | 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 |
| 139 | Polyazamacrocycles as Potential Antitumor Agents for Human Prostate Cancer Cells. <i>Chemical Biology and Drug Design</i> , 2013, 81, 517-526. | 1.5 | 8 |
| 140 | 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 |
| 141 | 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 |
| 142 | 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 |
| 143 | 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 |
| 144 | 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 |

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