

Carla Cruz

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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.

71
papers

736
citations

16
h-index

22
g-index

79
ext. papers

1,030
ext. citations

4.7
avg, IF

4.52
L-index

#	Paper	IF	Citations
71	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
70	Aptamer-based Targeted Delivery of a G-quadruplex Ligand in Cervical Cancer Cells. <i>Scientific Reports</i> , 2019 , 9, 7945	4.9	40
69	Amino acids-nucleotides biomolecular recognition: from biological occurrence to affinity chromatography. <i>Journal of Molecular Recognition</i> , 2010 , 23, 505-18	2.6	31
68	Fluorescent light-up acridine orange derivatives bind and stabilize KRAS-22RT G-quadruplex. <i>Biochimie</i> , 2018 , 144, 144-152	4.6	30
67	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
66	Dinuclear copper and zinc complexes of a hexaazamacrocyclic containing p-xylyl spacers and bridging anions: theoretical and spectroscopic studies. <i>Dalton Transactions</i> , 2003 , 4261-4270	4.3	25
65	Evaluation of the binding ability of a novel dioxatetraazamacrocyclic receptor that contains two phenanthroline units: selective uptake of carboxylate anions. <i>Journal of Organic Chemistry</i> , 2007 , 72, 4023-34	4.2	24
64	In vitro effect of free and complexed indium(III) against Mycobacterium tuberculosis. <i>FEMS Microbiology Letters</i> , 2005 , 251, 119-24	2.9	22
63	Design of protonated polyazamacrocycles based on phenanthroline motifs for selective uptake of aromatic carboxylate anions and herbicides. <i>Chemistry - A European Journal</i> , 2009 , 15, 3277-89	4.8	21
62	Aptamer-guided acridine derivatives for cervical cancer. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 2992-3002	3.9	21
61	Multicharged Phthalocyanines as Selective Ligands for G-Quadruplex DNA Structures. <i>Molecules</i> , 2019 , 24,	4.8	21
60	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
59	Phenanthroline polyazamacrocycles as G-quadruplex DNA binders. <i>Organic and Biomolecular Chemistry</i> , 2018 , 16, 2776-2786	3.9	18
58	AS1411 derivatives as carriers of G-quadruplex ligands for cervical cancer cells. <i>International Journal of Pharmaceutics</i> , 2019 , 568, 118511	6.5	18
57	Phthalocyanines for G-quadruplex aptamers binding. <i>Bioorganic Chemistry</i> , 2020 , 100, 103920	5.1	17
56	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
55	Study of the interaction between indole-based compounds and biologically relevant G-quadruplexes. <i>Biochimie</i> , 2017 , 135, 186-195	4.6	14

54	Cell proliferation effects of calix[4]arene derivatives. <i>Tetrahedron</i> , 2015 , 71, 7593-7599	2.4	13
53	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
52	Screening nucleotide binding to amino acid-coated supports by surface plasmon resonance and nuclear magnetic resonance. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 401, 983-93	4.4	13
51	Targeting of mitochondria-endoplasmic reticulum by fluorescent macrocyclic compounds. <i>PLoS ONE</i> , 2011 , 6, e27078	3.7	13
50	Sensitive detection of peptide-minicircle DNA interactions by surface plasmon resonance. <i>Analytical Chemistry</i> , 2013 , 85, 2304-11	7.8	10
49	Biological studies of an ICG-tagged aptamer as drug delivery system for malignant melanoma. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2020 , 154, 228-235	5.7	10
48	Metal complexes of a dipyridine octaazamacrocycle: stability constants, structural and modelling studies. <i>Dalton Transactions</i> , 2003 , 3172-3183	4.3	9
47	G-Quadruplexes and Their Ligands: Biophysical Methods to Unravel G-Quadruplex/Ligand Interactions. <i>Pharmaceutics</i> , 2021 , 14,	5.2	9
46	Stabilization of novel immunoglobulin switch regions G-quadruplexes by naphthalene and quinoline-based ligands. <i>Tetrahedron</i> , 2016 , 72, 1229-1237	2.4	8
45	Supramolecular aggregates between carboxylate anions and an octaaza macrocyclic receptor. <i>Organic and Biomolecular Chemistry</i> , 2004 , 2, 2911-8	3.9	8
44	Synthesis and Biological Evaluation of New Functionalized Nitroindazolylacetonitrile Derivatives. <i>ChemistrySelect</i> , 2019 , 4, 14335-14342	1.8	8
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	1.7	8
42	Influenza DNA vaccine purification using pHEMA cryogel support. <i>Separation and Purification Technology</i> , 2018 , 206, 192-198	8.3	7
41	Affinity analysis between immobilized L-arginine and plasmid isoforms provided by surface plasmon resonance. <i>Analytical Methods</i> , 2013 , 5, 1682	3.2	7
40	Study of specific interaction between nucleotides and dye support by nuclear magnetic resonance. <i>Journal of Molecular Recognition</i> , 2011 , 24, 975-80	2.6	7
39	Analysis of nucleotides binding to chromatography supports provided by nuclear magnetic resonance spectroscopy. <i>Journal of Chromatography A</i> , 2011 , 1218, 3559-64	4.5	7
38	Aptamer-based approaches to detect nucleolin in prostate cancer. <i>Talanta</i> , 2021 , 226, 122037	6.2	7
37	Recognition of nucleolin through interaction with RNA G-quadruplex. <i>Biochemical Pharmacology</i> , 2021 , 189, 114208	6	7

36	Locking up the AS1411 Aptamer with a Flanking Duplex: Towards an Improved Nucleolin-Targeting. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	7
35	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
34	Purification of supercoiled G-quadruplex pDNA for in vitro transcription. <i>Separation and Purification Technology</i> , 2016 , 163, 59-71	8.3	6
33	Targeting of Cellular Organelles by Fluorescent Plasmid DNA Nanoparticles. <i>Biomacromolecules</i> , 2017 , 18, 2928-2936	6.9	6
32	Brain-Targeted Delivery of Pre-miR-29b Using Lactoferrin-Stearic Acid-Modified-Chitosan/Polyethyleneimine Polyplexes. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	6
31	Metal-Based G-Quadruplex Binders for Cancer Theranostics. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	6
30	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
29	Human Papillomavirus G-Rich Regions as Potential Antiviral Drug Targets. <i>Nucleic Acid Therapeutics</i> , 2021 , 31, 68-81	4.8	6
28	Aptamer-Functionalized Gold Nanoparticles for Drug Delivery to Gynecological Carcinoma Cells. <i>Cancers</i> , 2021 , 13,	6.6	6
27	Polyazamacrocycles as potential antitumor agents for human prostate cancer cells. <i>Chemical Biology and Drug Design</i> , 2013 , 81, 517-26	2.9	5
26	Plasmid purification by using a new naphthalene tripodal support. <i>Separation and Purification Technology</i> , 2017 , 188, 81-89	8.3	5
25	Targeting nucleolin by RNA G-quadruplex-forming motif. <i>Biochemical Pharmacology</i> , 2021 , 189, 114418	6	5
24	G-Quadruplex-Based Drug Delivery Systems for Cancer Therapy. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	5
23	L-tryptophan and dipeptide derivatives for supercoiled plasmid DNA purification. <i>International Journal of Biological Macromolecules</i> , 2016 , 87, 385-96	7.9	5
22	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
21	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
20	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
19	Study of the specific interaction between L-methionine chromatography support and nucleotides. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012 , 909, 1-5	3.2	4

18	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
17	Molecular recognition of oligonucleotides and plasmid DNA by l-methionine. <i>Journal of Molecular Recognition</i> , 2014 , 27, 588-96	2.6	3
16	Naphthalene amine support for G-quadruplex isolation. <i>Analyst, The</i> , 2017 , 142, 2982-2994	5	3
15	An Alkenylresorcinol Derivative from Hakea Sericea Fruits and their Antimicrobial Activity. <i>Natural Product Communications</i> , 2013 , 8, 1934578X1300801	0.9	3
14	Pre-miRNA-149 G-quadruplex as a molecular agent to capture nucleolin.. <i>European Journal of Pharmaceutical Sciences</i> , 2021 , 169, 106093	5.1	3
13	Ligands as Stabilizers of G-Quadruplexes in Non-Coding RNAs. <i>Molecules</i> , 2021 , 26,	4.8	3
12	Forster resonance energy transfer for studying nucleic acids denaturation: A chemical and biological sciences laboratory experiment. <i>Biochemistry and Molecular Biology Education</i> , 2020 , 48, 329-336	1.3	2
11	New (Iso)quinolinyl-pyridine-2,6-dicarboxamide G-Quadruplex Stabilizers. A Structure-Activity Relationship Study. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	2
10	NMR screening of new carbocyanine dyes as ligands for affinity chromatography. <i>Journal of Molecular Recognition</i> , 2014 , 27, 197-204	2.6	1
9	Molecular Beacon Assay Development for Severe Acute Respiratory Syndrome Coronavirus 2 Detection. <i>Sensors</i> , 2021 , 21,	3.8	1
8	Nucleolin as a potential biomarker for canine malignant neoplasia. <i>Research in Veterinary Science</i> , 2021 , 135, 297-303	2.5	1
7	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
6	Stabilization of a DNA aptamer by ligand binding.. <i>Biochimie</i> , 2022 , 200, 8-8	4.6	1
5	Screening of Scaffolds for the Design of G-Quadruplex Ligands. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2170	2.6	0
4	Targeting a G-quadruplex from let-7e pre-miRNA with small molecules and nucleolin.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022 , 215, 114757	3.5	0
3	Diketopyrrolo[3,4-c]pyrrole derivative as a promising ligand for the stabilization of G-quadruplex DNA structures.. <i>Bioorganic Chemistry</i> , 2022 , 122, 105703	5.1	0
2	Quantitative analysis of the interaction between l-methionine derivative and oligonucleotides. <i>Journal of Biochemistry</i> , 2015 , 157, 261-70	3.1	
1	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	

