

# Cristina Airoidi

## List of Publications by Year in Descending Order

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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.

84  
papers

1,805  
citations

28  
h-index

38  
g-index

97  
ext. papers

2,079  
ext. citations

4.9  
avg, IF

4.54  
L-index

#	Paper	IF	Citations
84	Targeting GRP receptor: Design, synthesis and preliminary biological characterization of new non-peptide antagonists of bombesin. <i>Bioorganic Chemistry</i> , <b>2021</b> , 109, 104739	5.1	2
83	Tubulin binding potentially clears up Bortezomib and Carfilzomib differential neurotoxic effect. <i>Scientific Reports</i> , <b>2021</b> , 11, 10523	4.9	0
82	Cross-Linking Effects Dictate the Preference of Galectins to Bind LacNAc-Decorated HPMA Copolymers. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
81	NMR-based Lavado cocoa chemical characterization and comparison with fermented cocoa varieties: Insights on cocoa's anti-amyloidogenic activity. <i>Food Chemistry</i> , <b>2021</b> , 341, 128249	8.5	7
80	Synthesis of C- and S-Glycosides <b>2021</b> , 160-199		1
79	The Multi-Level Mechanism of Action of a Pan-Ras Inhibitor Explains its Antiproliferative Activity on Cetuximab-Resistant Cancer Cells. <i>Frontiers in Molecular Biosciences</i> , <b>2021</b> , 8, 625979	5.6	1
78	On-cell saturation transfer difference NMR for the identification of FimH ligands and inhibitors. <i>Bioorganic Chemistry</i> , <b>2021</b> , 112, 104876	5.1	1
77	Phytotoxicity, nematicidal activity and chemical constituents of <i>Peucedanum ostruthium</i> (L.) W.D.J.Koch (Apiaceae). <i>Industrial Crops and Products</i> , <b>2021</b> , 166, 113499	5.9	1
76	Structural Basis of Inhibition of the Pioneer Transcription Factor NF- $\kappa$ B by Suramin. <i>Cells</i> , <b>2020</b> , 9,	7.9	2
75	Different phytotoxic effect of <i>Lolium multiflorum</i> Lam. leaves against <i>Echinochloa oryzoides</i> (Ard.) Fritsch and <i>Oryza sativa</i> L. <i>Environmental Science and Pollution Research</i> , <b>2020</b> , 27, 33204-33214	5.1	3
74	Effectiveness of <i>Vigna unguiculata</i> seed extracts in preventing colorectal cancer. <i>Food and Function</i> , <b>2020</b> , 11, 5853-5865	6.1	3
73	A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy. <i>Talanta</i> , <b>2020</b> , 214, 120855	6.2	8
72	Metabolomic profiling of beers: Combining <sup>1</sup> H NMR spectroscopy and chemometric approaches to discriminate craft and industrial products. <i>Food Chemistry</i> , <b>2020</b> , 327, 127025	8.5	14
71	A Contribution to the Harmonization of Non-targeted NMR Methods for Data-Driven Food Authenticity Assessment. <i>Food Analytical Methods</i> , <b>2020</b> , 13, 530-541	3.4	14
70	Synthesis, Molecular Modeling and Biological Evaluation of Metabolically Stable Analogues of the Endogenous Fatty Acid Amide Palmitoylethanolamide. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	1
69	On-cell saturation transfer difference NMR study of Bombesin binding to GRP receptor. <i>Bioorganic Chemistry</i> , <b>2020</b> , 99, 103861	5.1	5
68	Targeting Bacterial Biofilm: A New LecA Multivalent Ligand with Inhibitory Activity. <i>ChemBioChem</i> , <b>2019</b> , 20, 2911-2915	3.8	11

67	Anticancer Effects of Wild Mountain Extract in Adrenocortical Tumor Cell Models. <i>Frontiers in Pharmacology</i> , <b>2019</b> , 10, 1647	5.6	5
66	Glycan Carriers As Glycotools for Medicinal Chemistry Applications. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 6349-6398	4.3	2
65	Coffee variety, origin and extraction procedure: Implications for coffee beneficial effects on human health. <i>Food Chemistry</i> , <b>2019</b> , 278, 47-55	8.5	50
64	Methacycline displays a strong efficacy in reducing toxicity in a SCA3 <i>Caenorhabditis elegans</i> model. <i>Biochimica Et Biophysica Acta - General Subjects</i> , <b>2019</b> , 1863, 279-290	4	2
63	bioNMR-based identification of natural anti-A $\beta$ compounds in <i>Peucedanum ostruthium</i> . <i>Bioorganic Chemistry</i> , <b>2019</b> , 83, 76-86	5.1	11
62	Structure-Activity Relationship in Monosaccharide-Based Toll-Like Receptor 4 (TLR4) Antagonists. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 2895-2909	8.3	32
61	NMR-driven identification of anti-amyloidogenic compounds in green and roasted coffee extracts. <i>Food Chemistry</i> , <b>2018</b> , 252, 171-180	8.5	30
60	Flavonoids in the Treatment of Alzheimer $\beta$ and Other Neurodegenerative Diseases. <i>Current Medicinal Chemistry</i> , <b>2018</b> , 25, 3228-3246	4.3	32
59	Methionine supplementation stimulates mitochondrial respiration. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2018</b> , 1865, 1901-1913	4.9	8
58	H NMR To Evaluate the Metabolome of Bronchoalveolar Lavage Fluid (BALF) in Bronchiolitis Obliterans Syndrome (BOS): Toward the Development of a New Approach for Biomarker Identification. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 1669-1682	5.6	13
57	Green coffee extract enhances oxidative stress resistance and delays aging in <i>Caenorhabditis elegans</i> . <i>Journal of Functional Foods</i> , <b>2017</b> , 33, 297-306	5.1	31
56	Epigallocatechin-3-gallate and related phenol compounds redirect the amyloidogenic aggregation pathway of ataxin-3 towards non-toxic aggregates and prevent toxicity in neural cells and <i>Caenorhabditis elegans</i> animal model. <i>Human Molecular Genetics</i> , <b>2017</b> , 26, 3271-3284	5.6	16
55	HIV-1 matrix protein p17 misfolding forms toxic amyloidogenic assemblies that induce neurocognitive disorders. <i>Scientific Reports</i> , <b>2017</b> , 7, 10313	4.9	21
54	Natural Compounds in Cancer Prevention: Effects of Coffee Extracts and Their Main Polyphenolic Component, 5-O-Caffeoylquinic Acid, on Oncogenic Ras Proteins. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 2457-2466	4.5	32
53	Flavonoids and Their Glycosides as Anti-amyloidogenic Compounds: A $\beta$ -42 Interaction Studies to Gain New Insights into Their Potential for Alzheimer $\beta$ Disease Prevention and Therapy. <i>Chemistry - an Asian Journal</i> , <b>2017</b> , 12, 67-75	4.5	21
52	H NMR To Explore the Metabolome of Exhaled Breath Condensate in $\alpha$ 1-Antitrypsin Deficient Patients: A Pilot Study. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 4569-4578	5.6	20
51	Protein Kinase A Activation Promotes Cancer Cell Resistance to Glucose Starvation and Anoikis. <i>PLoS Genetics</i> , <b>2016</b> , 12, e1005931	6	45
50	Structural Modifications of cis-Glycofused Benzopyran Compounds and Their Influence on the Binding to Amyloid- $\beta$ Peptide. <i>Chemistry - an Asian Journal</i> , <b>2016</b> , 11, 299-309	4.5	16

49	Antimicrobial Peptides: Insights into Membrane Permeabilization, Lipopolysaccharide Fragmentation and Application in Plant Disease Control. <i>Scientific Reports</i> , <b>2015</b> , 5, 11951	4.9	59
48	Enhanced amino acid utilization sustains growth of cells lacking Snf1/AMPK. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2015</b> , 1853, 1615-25	4.9	21
47	NMR analysis of budding yeast metabolomics: a rapid method for sample preparation. <i>Molecular BioSystems</i> , <b>2015</b> , 11, 379-83		16
46	How Epigallocatechin-3-gallate and Tetracycline Interact with the Josephin Domain of Ataxin-3 and Alter Its Aggregation Mode. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 18383-93	4.8	15
45	Towards a Universal Approach Based on Omics Technologies for the Quality Control of Food. <i>BioMed Research International</i> , <b>2015</b> , 2015, 365794	3	20
44	Performance Assessment in Fingerprinting and Multi Component Quantitative NMR Analyses. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 6709-17	7.8	41
43	NMR Molecular Recognition Studies for the Elucidation of Protein and Nucleic Acid Structure and Function <b>2015</b> , 147-219		4
42	Synthesis and biological evaluation of arabinose 5-phosphate mimics modified at position five. <i>Carbohydrate Research</i> , <b>2014</b> , 389, 186-91	2.9	1
41	Exploiting the therapeutic potential of 8- $\beta$ -D-glucopyranosylgenistein: synthesis, antidiabetic activity, and molecular interaction with islet amyloid polypeptide and amyloid $\beta$ peptide (1-42). <i>Journal of Medicinal Chemistry</i> , <b>2014</b> , 57, 9463-72	8.3	33
40	Natural compounds against neurodegenerative diseases: molecular characterization of the interaction of catechins from green tea with A $\beta$ -42, PrP106-126, and ataxin-3 oligomers. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 13793-800	4.8	30
39	Nanoliposomes presenting on surface a cis-glycofused benzopyran compound display binding affinity and aggregation inhibition ability towards Amyloid $\beta$ -42 peptide. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 85, 43-50	6.8	20
38	Cis-Glyco-Fused Benzopyran Derivatives as Hit Compounds for the Development of Therapeutic and Diagnostic Tools against Neurodegenerative Diseases. <i>ChemPlusChem</i> , <b>2014</b> , 79, 835-843	2.8	13
37	Arabinose 5-phosphate isomerase as a target for antibacterial design: studies with substrate analogues and inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , <b>2014</b> , 22, 2576-83	3.4	7
36	Natural compounds against Alzheimer's disease: molecular recognition of A $\beta$ -42 peptide by <i>Salvia sclareoides</i> extract and its major component, rosmarinic acid, as investigated by NMR. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 596-602	4.5	62
35	Phosphonate Analogues of Arabinose 5-Phosphate: Putative Ligands for Arabinose 5-Phosphate Isomerases. <i>European Journal of Organic Chemistry</i> , <b>2013</b> , 2013, 7776-7784	3.2	3
34	Fluorescent amyloid $\beta$ -peptide ligand derivatives as potential diagnostic tools for Alzheimer's disease. <i>Pure and Applied Chemistry</i> , <b>2013</b> , 85, 1813-1823	2.1	9
33	From cancer metabolism to new biomarkers and drug targets. <i>Biotechnology Advances</i> , <b>2012</b> , 30, 30-51	17.8	46
32	Versatile and efficient targeting using a single nanoparticulate platform: application to cancer and Alzheimer's disease. <i>ACS Nano</i> , <b>2012</b> , 6, 5866-79	16.7	113

31	Sugar-based enantiomeric and conformationally constrained pyrrolo[2,1-c][1,4]-benzodiazepines as potential GABAA ligands. <i>Journal of Medicinal Chemistry</i> , <b>2011</b> , 54, 1266-75	8.3	27
30	Natural glycoconjugates with antitumor activity. <i>Natural Product Reports</i> , <b>2011</b> , 28, 630-48	15.1	57
29	Tetracycline prevents A $\beta$ oligomer toxicity through an atypical supramolecular interaction. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 463-72	3.9	45
28	Curcumin derivatives as new ligands of A $\beta$ peptides. <i>Journal of Biotechnology</i> , <b>2011</b> , 156, 317-24	3.7	29
27	The molecular assembly of amyloid a $\beta$ controls its neurotoxicity and binding to cellular proteins. <i>PLoS ONE</i> , <b>2011</b> , 6, e24909	3.7	35
26	cis-Glyco-fused benzopyran compounds as new amyloid- $\beta$ peptide ligands. <i>Chemical Communications</i> , <b>2011</b> , 47, 10266-8	5.8	32
25	Fructose-Based Proline Analogues: Exploring the Prolyl trans/cis-Amide Rotamer Population in Model Peptides. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 128-136	3.2	7
24	Saturation transfer difference NMR experiments of membrane proteins in living cells under HR-MAS conditions: the interaction of the SGLT1 co-transporter with its ligands. <i>Chemistry - A European Journal</i> , <b>2011</b> , 17, 13395-9	4.8	28
23	Targeting bacterial membranes: identification of <i>Pseudomonas aeruginosa</i> D-arabinose-5P isomerase and NMR characterisation of its substrate recognition and binding properties. <i>ChemBioChem</i> , <b>2011</b> , 12, 719-27	3.8	21
22	A $\beta$ ; Monomers, Oligomers and Fibrils: Structural Features. <i>Current Bioactive Compounds</i> , <b>2011</b> , 7, 198-213	0.9	7
21	New targets for antibacterial design: Kdo biosynthesis and LPS machinery transport to the cell surface. <i>Current Medicinal Chemistry</i> , <b>2011</b> , 18, 830-52	4.3	31
20	Synthesis of 3-Deoxy-d-threopentofuranose 5-Phosphate, a Substrate of Arabinose 5-Phosphate Isomerase. <i>Journal of Carbohydrate Chemistry</i> , <b>2010</b> , 29, 30-38	1.7	9
19	Beta amyloid aggregation inhibitors: small molecules as candidate drugs for therapy of Alzheimer's disease. <i>Current Medicinal Chemistry</i> , <b>2010</b> , 17, 2990-3006	4.3	103
18	Carbohydrate mimetics and scaffolds: sweet spots in medicinal chemistry. <i>Future Medicinal Chemistry</i> , <b>2010</b> , 2, 587-99	4.1	30
17	Structure-activity studies on arylamides and arylsulfonamides Ras inhibitors. <i>Current Cancer Drug Targets</i> , <b>2010</b> , 10, 192-9	2.8	9
16	Targeting bacterial membranes: NMR spectroscopy characterization of substrate recognition and binding requirements of D-arabinose-5-phosphate isomerase. <i>Chemistry - A European Journal</i> , <b>2010</b> , 16, 1897-902	4.8	26
15	Pyrrolo[2,1-c][1,4]benzodiazepine as a scaffold for the design and synthesis of anti-tumour drugs. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2009</b> , 9, 1-31	2.2	61
14	Design, synthesis, and biological evaluation of levoglucosenone-derived ras activation inhibitors. <i>ChemMedChem</i> , <b>2009</b> , 4, 524-8	3.7	25

13	Solid-phase supported mimic of GDP-l-galactose. <i>Tetrahedron: Asymmetry</i> , <b>2009</b> , 20, 744-745		1
12	Carbohydrate scaffolds in chemical genetic studies. <i>Journal of Biotechnology</i> , <b>2009</b> , 144, 234-41	3.7	11
11	Selective cytotoxicity of a bicyclic Ras inhibitor in cancer cells expressing K-Ras(G13D). <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 386, 593-7	3.4	32
10	The Kdo biosynthetic pathway toward OM biogenesis as target in antibacterial drug design and development. <i>Current Drug Discovery Technologies</i> , <b>2009</b> , 6, 19-33	1.5	24
9	Glycoconjugates in cancer therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , <b>2008</b> , 8, 92-121	2.2	44
8	Re LPS Biogenetic Pathway: Enzyme Characterisation and Synthetic Efforts Towards Inhibitors. <i>Current Organic Chemistry</i> , <b>2008</b> , 12, 576-600	1.7	3
7	Synthesis and Biological Evaluation of Novel Rigid 1,4-Benzodiazepine-2,5-dione Chimeric Scaffolds. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 635-639	3.2	17
6	Glucose-derived Ras pathway inhibitors: evidence of Ras-ligand binding and Ras-GEF (Cdc25) interaction inhibition. <i>ChemBioChem</i> , <b>2007</b> , 8, 1376-9	3.8	23
5	Synthesis and biological evaluation of a small library of nojirimycin-derived bicyclic iminosugars. <i>Carbohydrate Research</i> , <b>2007</b> , 342, 1813-30	2.9	30
4	Synthesis of C- and S-Glycosides <b>2007</b> , 647-683		3
3	Sugar-Derived Ras Inhibitors: Group Epitope Mapping by NMR Spectroscopy and Biological Evaluation. <i>European Journal of Organic Chemistry</i> , <b>2006</b> , 2006, 3707-3720	3.2	22
2	Design, synthesis and biological evaluation of sugar-derived Ras inhibitors. <i>ChemBioChem</i> , <b>2005</b> , 6, 1839-48	3.8	35
1	Aminated Sugars, Synthesis, and Biological Activity 257-304		