

Cristina Airoidi

List of Publications by Citations

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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	Versatile and efficient targeting using a single nanoparticulate platform: application to cancer and Alzheimer β disease. <i>ACS Nano</i> , 2012 , 6, 5866-79	16.7	113
83	Beta amyloid aggregation inhibitors: small molecules as candidate drugs for therapy of Alzheimer β disease. <i>Current Medicinal Chemistry</i> , 2010 , 17, 2990-3006	4.3	103
82	Natural compounds against Alzheimer β disease: molecular recognition of A β -42 peptide by <i>Salvia sclareoides</i> extract and its major component, rosmarinic acid, as investigated by NMR. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 596-602	4.5	62
81	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> , 2009 , 9, 1-31	2.2	61
80	Antimicrobial Peptides: Insights into Membrane Permeabilization, Lipopolysaccharide Fragmentation and Application in Plant Disease Control. <i>Scientific Reports</i> , 2015 , 5, 11951	4.9	59
79	Natural glycoconjugates with antitumor activity. <i>Natural Product Reports</i> , 2011 , 28, 630-48	15.1	57
78	Coffee variety, origin and extraction procedure: Implications for coffee beneficial effects on human health. <i>Food Chemistry</i> , 2019 , 278, 47-55	8.5	50
77	From cancer metabolism to new biomarkers and drug targets. <i>Biotechnology Advances</i> , 2012 , 30, 30-51	17.8	46
76	Tetracycline prevents A β oligomer toxicity through an atypical supramolecular interaction. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 463-72	3.9	45
75	Protein Kinase A Activation Promotes Cancer Cell Resistance to Glucose Starvation and Anoikis. <i>PLoS Genetics</i> , 2016 , 12, e1005931	6	45
74	Glycoconjugates in cancer therapy. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2008 , 8, 92-121	2.2	44
73	Performance Assessment in Fingerprinting and Multi Component Quantitative NMR Analyses. <i>Analytical Chemistry</i> , 2015 , 87, 6709-17	7.8	41
72	The molecular assembly of amyloid α controls its neurotoxicity and binding to cellular proteins. <i>PLoS ONE</i> , 2011 , 6, e24909	3.7	35
71	Design, synthesis and biological evaluation of sugar-derived Ras inhibitors. <i>ChemBioChem</i> , 2005 , 6, 1839-48	3.8	35
70	Exploiting the therapeutic potential of 8- β -D-glucopyranosylgenistein: synthesis, antidiabetic activity, and molecular interaction with islet amyloid polypeptide and amyloid β peptide (1-42). <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 9463-72	8.3	33
69	Structure-Activity Relationship in Monosaccharide-Based Toll-Like Receptor 4 (TLR4) Antagonists. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 2895-2909	8.3	32
68	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> , 2017 , 12, 2457-2466	4.5	32

67	cis-Glyco-fused benzopyran compounds as new amyloid- β peptide ligands. <i>Chemical Communications</i> , 2011 , 47, 10266-8	5.8	32
66	Selective cytotoxicity of a bicyclic Ras inhibitor in cancer cells expressing K-Ras(G13D). <i>Biochemical and Biophysical Research Communications</i> , 2009 , 386, 593-7	3.4	32
65	Flavonoids in the Treatment of Alzheimer's and Other Neurodegenerative Diseases. <i>Current Medicinal Chemistry</i> , 2018 , 25, 3228-3246	4.3	32
64	Green coffee extract enhances oxidative stress resistance and delays aging in <i>Caenorhabditis elegans</i> . <i>Journal of Functional Foods</i> , 2017 , 33, 297-306	5.1	31
63	New targets for antibacterial design: Kdo biosynthesis and LPS machinery transport to the cell surface. <i>Current Medicinal Chemistry</i> , 2011 , 18, 830-52	4.3	31
62	NMR-driven identification of anti-amyloidogenic compounds in green and roasted coffee extracts. <i>Food Chemistry</i> , 2018 , 252, 171-180	8.5	30
61	Natural compounds against neurodegenerative diseases: molecular characterization of the interaction of catechins from green tea with A β -42, PrP106-126, and ataxin-3 oligomers. <i>Chemistry - A European Journal</i> , 2014 , 20, 13793-800	4.8	30
60	Carbohydrate mimetics and scaffolds: sweet spots in medicinal chemistry. <i>Future Medicinal Chemistry</i> , 2010 , 2, 587-99	4.1	30
59	Synthesis and biological evaluation of a small library of nojirimycin-derived bicyclic iminosugars. <i>Carbohydrate Research</i> , 2007 , 342, 1813-30	2.9	30
58	Curcumin derivatives as new ligands of A β peptides. <i>Journal of Biotechnology</i> , 2011 , 156, 317-24	3.7	29
57	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> , 2011 , 17, 13395-9	4.8	28
56	Sugar-based enantiomeric and conformationally constrained pyrrolo[2,1-c][1,4]-benzodiazepines as potential GABA _A ligands. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 1266-75	8.3	27
55	Targeting bacterial membranes: NMR spectroscopy characterization of substrate recognition and binding requirements of D-arabinose-5-phosphate isomerase. <i>Chemistry - A European Journal</i> , 2010 , 16, 1897-902	4.8	26
54	Design, synthesis, and biological evaluation of levoglucosenone-derived ras activation inhibitors. <i>ChemMedChem</i> , 2009 , 4, 524-8	3.7	25
53	The Kdo biosynthetic pathway toward OM biogenesis as target in antibacterial drug design and development. <i>Current Drug Discovery Technologies</i> , 2009 , 6, 19-33	1.5	24
52	Glucose-derived Ras pathway inhibitors: evidence of Ras-ligand binding and Ras-GEF (Cdc25) interaction inhibition. <i>ChemBioChem</i> , 2007 , 8, 1376-9	3.8	23
51	Sugar-Derived Ras Inhibitors: Group Epitope Mapping by NMR Spectroscopy and Biological Evaluation. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 3707-3720	3.2	22
50	Enhanced amino acid utilization sustains growth of cells lacking Snf1/AMPK. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015 , 1853, 1615-25	4.9	21

49	HIV-1 matrix protein p17 misfolding forms toxic amyloidogenic assemblies that induce neurocognitive disorders. <i>Scientific Reports</i> , 2017 , 7, 10313	4.9	21
48	Flavonoids and Their Glycosides as Anti-amyloidogenic Compounds: A β -42 Interaction Studies to Gain New Insights into Their Potential for Alzheimer's Disease Prevention and Therapy. <i>Chemistry - an Asian Journal</i> , 2017 , 12, 67-75	4.5	21
47	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> , 2011 , 12, 719-27	3.8	21
46	H NMR To Explore the Metabolome of Exhaled Breath Condensate in α -Antitrypsin Deficient Patients: A Pilot Study. <i>Journal of Proteome Research</i> , 2016 , 15, 4569-4578	5.6	20
45	Nanoliposomes presenting on surface a cis-glycofused benzopyran compound display binding affinity and aggregation inhibition ability towards Amyloid β -42 peptide. <i>European Journal of Medicinal Chemistry</i> , 2014 , 85, 43-50	6.8	20
44	Towards a Universal Approach Based on Omics Technologies for the Quality Control of Food. <i>BioMed Research International</i> , 2015 , 2015, 365794	3	20
43	Synthesis and Biological Evaluation of Novel Rigid 1,4-Benzodiazepine-2,5-dione Chimeric Scaffolds. <i>European Journal of Organic Chemistry</i> , 2008 , 2008, 635-639	3.2	17
42	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> , 2017 , 26, 3271-3284	5.6	16
41	NMR analysis of budding yeast metabolomics: a rapid method for sample preparation. <i>Molecular BioSystems</i> , 2015 , 11, 379-83		16
40	Structural Modifications of cis-Glycofused Benzopyran Compounds and Their Influence on the Binding to Amyloid- β Peptide. <i>Chemistry - an Asian Journal</i> , 2016 , 11, 299-309	4.5	16
39	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> , 2015 , 21, 18383-93	4.8	15
38	Metabolomic profiling of beers: Combining H NMR spectroscopy and chemometric approaches to discriminate craft and industrial products. <i>Food Chemistry</i> , 2020 , 327, 127025	8.5	14
37	A Contribution to the Harmonization of Non-targeted NMR Methods for Data-Driven Food Authenticity Assessment. <i>Food Analytical Methods</i> , 2020 , 13, 530-541	3.4	14
36	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> , 2017 , 16, 1669-1682	5.6	13
35	Cis-Glyco-Fused Benzopyran Derivatives as Hit Compounds for the Development of Therapeutic and Diagnostic Tools against Neurodegenerative Diseases. <i>ChemPlusChem</i> , 2014 , 79, 835-843	2.8	13
34	Targeting Bacterial Biofilm: A New LecA Multivalent Ligand with Inhibitory Activity. <i>ChemBioChem</i> , 2019 , 20, 2911-2915	3.8	11
33	Carbohydrate scaffolds in chemical genetic studies. <i>Journal of Biotechnology</i> , 2009 , 144, 234-41	3.7	11
32	bioNMR-based identification of natural anti-A β compounds in <i>Peucedanum ostruthium</i> . <i>Bioorganic Chemistry</i> , 2019 , 83, 76-86	5.1	11

31	Fluorescent amyloid β-peptide ligand derivatives as potential diagnostic tools for Alzheimer's disease. <i>Pure and Applied Chemistry</i> , 2013 , 85, 1813-1823	2.1	9
30	Synthesis of 3-Deoxy-d-threopentofuranose 5-Phosphate, a Substrate of Arabinose 5-Phosphate Isomerase. <i>Journal of Carbohydrate Chemistry</i> , 2010 , 29, 30-38	1.7	9
29	Structure-activity studies on arylamides and arylsulfonamides Ras inhibitors. <i>Current Cancer Drug Targets</i> , 2010 , 10, 192-9	2.8	9
28	A community-built calibration system: The case study of quantification of metabolites in grape juice by qNMR spectroscopy. <i>Talanta</i> , 2020 , 214, 120855	6.2	8
27	Methionine supplementation stimulates mitochondrial respiration. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018 , 1865, 1901-1913	4.9	8
26	Arabinose 5-phosphate isomerase as a target for antibacterial design: studies with substrate analogues and inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 2576-83	3.4	7
25	Fructose-Based Proline Analogues: Exploring the Prolyl trans/cis-Amide Rotamer Population in Model Peptides. <i>European Journal of Organic Chemistry</i> , 2011 , 2011, 128-136	3.2	7
24	Aβ; Monomers, Oligomers and Fibrils: Structural Features. <i>Current Bioactive Compounds</i> , 2011 , 7, 198-213	0.9	7
23	NMR-based Lavado cocoa chemical characterization and comparison with fermented cocoa varieties: Insights on cocoa's anti-amyloidogenic activity. <i>Food Chemistry</i> , 2021 , 341, 128249	8.5	7
22	Anticancer Effects of Wild Mountain Extract in Adrenocortical Tumor Cell Models. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1647	5.6	5
21	On-cell saturation transfer difference NMR study of Bombesin binding to GRP receptor. <i>Bioorganic Chemistry</i> , 2020 , 99, 103861	5.1	5
20	NMR Molecular Recognition Studies for the Elucidation of Protein and Nucleic Acid Structure and Function 2015 , 147-219		4
19	Different phytotoxic effect of Lolium multiflorum Lam. leaves against Echinochloa oryzoides (Ard.) Fritsch and Oryza sativa L. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 33204-33214	5.1	3
18	Effectiveness of Vigna unguiculata seed extracts in preventing colorectal cancer. <i>Food and Function</i> , 2020 , 11, 5853-5865	6.1	3
17	Phosphonate Analogues of Arabinose 5-Phosphate: Putative Ligands for Arabinose 5-Phosphate Isomerases. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 7776-7784	3.2	3
16	Re LPS Biogenetic Pathway: Enzyme Characterisation and Synthetic Efforts Towards Inhibitors. <i>Current Organic Chemistry</i> , 2008 , 12, 576-600	1.7	3
15	Synthesis of C- and S-Glycosides 2007 , 647-683		3
14	Structural Basis of Inhibition of the Pioneer Transcription Factor NF-κB by Suramin. <i>Cells</i> , 2020 , 9,	7.9	2

13	Glycan Carriers As Glycotools for Medicinal Chemistry Applications. <i>Current Medicinal Chemistry</i> , 2019 , 26, 6349-6398	4.3	2
12	Targeting GRP receptor: Design, synthesis and preliminary biological characterization of new non-peptide antagonists of bombesin. <i>Bioorganic Chemistry</i> , 2021 , 109, 104739	5.1	2
11	Methacycline displays a strong efficacy in reducing toxicity in a SCA3 Caenorhabditis elegans model. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2019 , 1863, 279-290	4	2
10	Synthesis and biological evaluation of arabinose 5-phosphate mimics modified at position five. <i>Carbohydrate Research</i> , 2014 , 389, 186-91	2.9	1
9	Solid-phase supported mimic of GDP-l-galactose. <i>Tetrahedron: Asymmetry</i> , 2009 , 20, 744-745		1
8	Synthesis, Molecular Modeling and Biological Evaluation of Metabolically Stable Analogues of the Endogenous Fatty Acid Amide Palmitoylethanolamide. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	1
7	Cross-Linking Effects Dictate the Preference of Galectins to Bind LacNAc-Decorated HPMA Copolymers. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
6	Synthesis of C- and S-Glycosides 2021 , 160-199		1
5	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> , 2021 , 8, 625979	5.6	1
4	On-cell saturation transfer difference NMR for the identification of FimH ligands and inhibitors. <i>Bioorganic Chemistry</i> , 2021 , 112, 104876	5.1	1
3	Phytotoxicity, nematocidal activity and chemical constituents of Peucedanum ostruthium (L.) W.D.J.Koch (Apiaceae). <i>Industrial Crops and Products</i> , 2021 , 166, 113499	5.9	1
2	Tubulin binding potentially clears up Bortezomib and Carfilzomib differential neurotoxic effect. <i>Scientific Reports</i> , 2021 , 11, 10523	4.9	0
1	Aminated Sugars, Synthesis, and Biological Activity 257-304		