

# Alexandra M Antunes

## 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.

65

papers

991

citations

18

h-index

28

g-index

93

ext. papers

1,178

ext. citations

4.5

avg, IF

3.87

L-index

#	Paper	IF	Citations
65	Identification of gallotannins and ellagitannins in aged wine spirits: A new perspective using alternative ageing technology and high-resolution mass spectrometry.. <i>Food Chemistry</i> , <b>2022</b> , 382, 132322	8.5	0
64	Synthetic Red Blood Cell-Specific Glycolytic Intermediate 2,3-Diphosphoglycerate (2,3-DPG) Inhibits Development .. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2022</b> , 12, 840968	5.9	0
63	The 2-hydroxy-nevirapine metabolite as a candidate for boosting apolipoprotein A1 and for modulating anti-HDL antibodies. <i>Pharmacological Research</i> , <b>2021</b> , 165, 105446	10.2	
62	A simple method to measure sulfonation in man using paracetamol as probe drug. <i>Scientific Reports</i> , <b>2021</b> , 11, 9036	4.9	0
61	A Mechanistic-Based and Non-invasive Approach to Quantify the Capability of Kidney to Detoxify Cysteine-Disulfides. <i>Advances in Experimental Medicine and Biology</i> , <b>2021</b> , 1306, 109-120	3.6	1
60	Bioactivity of Isostructural Hydrogen Bonding Frameworks Built from Pipemidic Acid Metal Complexes. <i>Molecules</i> , <b>2020</b> , 25,	4.8	7
59	Nevirapine Biotransformation Insights: An Integrated In Vitro Approach Unveils the Biocompetence and Profile of a Human Hepatocyte-Like Cell 3D Model. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	6
58	Novel Antibacterial Azelaic Acid BioMOFs. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 370-382	3.5	20
57	16 $\beta$ -Hydroxyestrone: Mass Spectrometry-Based Methodologies for the Identification of Covalent Adducts Formed with Blood Proteins. <i>Chemical Research in Toxicology</i> , <b>2020</b> , 33, 2147-2156	4	1
56	Metabolic Profile of Four Selected Cathinones in Microsome Incubations: Identification of Phase I and II Metabolites by Liquid Chromatography High Resolution Mass Spectrometry. <i>Frontiers in Chemistry</i> , <b>2020</b> , 8, 609251	5	1
55	Mg- and Mn-MOFs Boost the Antibiotic Activity of Nalidixic Acid.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 2347-2354	17	
54	The mercapturomic profile of health and non-communicable diseases. <i>High-Throughput</i> , <b>2019</b> , 8,	4.3	4
53	Mass Spectrometry-Based Methodologies for Targeted and Untargeted Identification of Protein Covalent Adducts (Adductomics): Current Status and Challenges. <i>High-Throughput</i> , <b>2019</b> , 8,	4.3	9
52	A Metabolomics-Inspired Strategy for the Identification of Protein Covalent Modifications. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 532	5	1
51	Targeting Glutathione and Cystathionine Synthase in Ovarian Cancer Treatment by Selenium-Chrysin Polyurea Dendrimer Nanoformulation. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	20
50	Singularities of nevirapine metabolism: from sex-dependent differences to idiosyncratic toxicity. <i>Drug Metabolism Reviews</i> , <b>2019</b> , 51, 76-90	7	7
49	Genotoxic and Epigenotoxic Alterations in the Lung and Liver of Mice Induced by Acrylamide: A 28 Day Drinking Water Study. <i>Chemical Research in Toxicology</i> , <b>2019</b> , 32, 869-877	4	15

48	Mercapturate Pathway in the Tubulocentric Perspective of Diabetic Kidney Disease. <i>Nephron</i> , <b>2019</b> , 143, 17-23	3.3	12
47	Severe Acute Kidney Injury and Double Tubulopathy Due to Dual Toxicity Caused by Combination Antiretroviral Therapy. <i>Kidney International Reports</i> , <b>2019</b> , 4, 494-499	4.1	9
46	High resolution mass spectrometry-based methodologies for identification of Etravirine bioactivation to reactive metabolites: In vitro and in vivo approaches. <i>European Journal of Pharmaceutical Sciences</i> , <b>2018</b> , 119, 70-82	5.1	8
45	The first-line antiepileptic drug carbamazepine: Reaction with biologically relevant free radicals. <i>Free Radical Biology and Medicine</i> , <b>2018</b> , 129, 559-568	7.8	6
44	Integration of cellular and molecular endpoints to assess the toxicity of polycyclic aromatic hydrocarbons in HepG2 cell line. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 3404-3414	3.8	6
43	Hepatocyte spheroids as a competent in vitro system for drug biotransformation studies: nevirapine as a bioactivation case study. <i>Archives of Toxicology</i> , <b>2017</b> , 91, 1199-1211	5.8	19
42	Unmasking efavirenz neurotoxicity: Time matters to the underlying mechanisms. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 105, 47-54	5.1	18
41	Efavirenz biotransformation as an up-stream event of mood changes in HIV-infected patients. <i>Toxicology Letters</i> , <b>2016</b> , 260, 28-35	4.4	5
40	New insights into the molecular mechanisms of chemical carcinogenesis: In vivo adduction of histone H2B by a reactive metabolite of the chemical carcinogen furan. <i>Toxicology Letters</i> , <b>2016</b> , 264, 106-113	4.4	16
39	Nevirapine modulation of paraoxonase-1 in the liver: An in vitro three-model approach. <i>European Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 82, 147-53	5.1	6
38	Packing Interactions and Physicochemical Properties of Novel Multicomponent Crystal Forms of the Anti-Inflammatory Azelaic Acid Studied by X-ray and Solid-State NMR. <i>Crystal Growth and Design</i> , <b>2016</b> , 16, 154-166	3.5	28
37	Selenium-containing chrysin and quercetin derivatives: attractive scaffolds for cancer therapy. <i>Journal of Medicinal Chemistry</i> , <b>2015</b> , 58, 4250-65	8.3	64
36	Sex differences in hepatic and intestinal contributions to nevirapine biotransformation in rats. <i>Chemico-Biological Interactions</i> , <b>2015</b> , 233, 115-21	5	4
35	Quinoid derivatives of the nevirapine metabolites 2-hydroxy- and 3-hydroxy-nevirapine: activation pathway to amino acid adducts. <i>Toxicology Research</i> , <b>2015</b> , 4, 1565-1577	2.6	3
34	Bioactivation to an aldehyde metabolite--possible role in the onset of toxicity induced by the anti-HIV drug abacavir. <i>Toxicology Letters</i> , <b>2014</b> , 224, 416-23	4.4	18
33	Differences in nevirapine biotransformation as a factor for its sex-dependent dimorphic profile of adverse drug reactions. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2014</b> , 69, 476-82	5.1	18
32	Quantification of the arylesterase activity of paraoxonase-1 in human blood. <i>Analytical Methods</i> , <b>2014</b> , 6, 289-294	3.2	10
31	Chlorinated Polycyclic Aromatic Hydrocarbons Associated with Drinking Water Disinfection: Synthesis, Formation under Aqueous Chlorination Conditions and Genotoxic Effects. <i>Polycyclic Aromatic Compounds</i> , <b>2014</b> , 34, 356-371	1.3	16

30	The phenolic metabolites of the anti-HIV drug efavirenz: evidence for distinct reactivities upon oxidation with FrhnyB salt. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 74, 7-11	6.8	12
29	Development and validation of an HPLC-UV method for quantifying nevirapine and its main phase I metabolites in human blood. <i>Analytical Methods</i> , <b>2014</b> , 6, 1575	3.2	7
28	Sex differences in apolipoprotein A1 and nevirapine-induced toxicity. <i>Journal of the International AIDS Society</i> , <b>2014</b> , 17, 19575	5.4	2
27	Synthesis and evaluation of diaryl sulfides and diaryl selenide compounds for antitubulin and cytotoxic activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2013</b> , 23, 4669-73	2.9	52
26	Monitoring abacavir bioactivation in humans: screening for an aldehyde metabolite. <i>Toxicology Letters</i> , <b>2013</b> , 219, 59-64	4.4	17
25	Synthesis and biological activity of 6-selenocaffeine: potential modulator of chemotherapeutic drugs in breast cancer cells. <i>Molecules</i> , <b>2013</b> , 18, 5251-64	4.8	17
24	Gabapentin Coordination Networks: Mechanochemical Synthesis and Behavior under Shelf Conditions. <i>Crystal Growth and Design</i> , <b>2013</b> , 13, 5007-5017	3.5	7
23	The role of competitive binding to human serum albumin on efavirenz-warfarin interaction: a nuclear magnetic resonance study. <i>International Journal of Antimicrobial Agents</i> , <b>2013</b> , 42, 443-6	14.3	10
22	Electronic communication in linear oligo(azobenzene) radical anions. <i>Journal of Physical Chemistry A</i> , <b>2013</b> , 117, 14056-64	2.8	10
21	<sup>2</sup> UDeoxythymidine adducts from the anti-HIV drug nevirapine. <i>Molecules</i> , <b>2013</b> , 18, 4955-71	4.8	6
20	Biomimetic oxidation of aromatic xenobiotics: synthesis of the phenolic metabolites from the anti-HIV drug efavirenz. <i>Organic and Biomolecular Chemistry</i> , <b>2012</b> , 10, 4554-61	3.9	5
19	N-terminal valine adduct from the anti-HIV drug abacavir in rat haemoglobin as evidence for abacavir metabolism to a reactive aldehyde in vivo. <i>British Journal of Pharmacology</i> , <b>2012</b> , 167, 1353-61	8.6	14
18	Evidence for nevirapine bioactivation in man: searching for the first step in the mechanism of nevirapine toxicity. <i>Toxicology</i> , <b>2012</b> , 301, 33-9	4.4	31
17	Insights into the Role of Bioactivation Mechanisms in the Toxic Events Elicited by Non-nucleoside Reverse Transcriptase Inhibitors. <i>Advances in Molecular Toxicology</i> , <b>2012</b> , 6, 1-39	0.4	3
16	Oxidation of 2-hydroxynevirapine, a phenolic metabolite of the anti-HIV drug nevirapine: evidence for an unusual pyridine ring contraction. <i>Molecules</i> , <b>2012</b> , 17, 2616-27	4.8	7
15	Reactive aldehyde metabolites from the anti-HIV drug abacavir: amino acid adducts as possible factors in abacavir toxicity. <i>Chemical Research in Toxicology</i> , <b>2011</b> , 24, 2129-41	4	26
14	Synthesis and oxidation of 2-hydroxynevirapine, a metabolite of the HIV reverse transcriptase inhibitor nevirapine. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 7822-35	3.9	19
13	Protein adducts as prospective biomarkers of nevirapine toxicity. <i>Chemical Research in Toxicology</i> , <b>2010</b> , 23, 1714-25	4	39

12	Amino acid adduct formation by the nevirapine metabolite, 12-hydroxynevirapine--a possible factor in nevirapine toxicity. <i>Chemical Research in Toxicology</i> , <b>2010</b> , 23, 888-99	4	31
11	Scavenging activity of aminoantipyrines against hydroxyl radical. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 2258-64	6.8	36
10	Molecular motions in amorphous ibuprofen as studied by broadband dielectric spectroscopy. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 11087-99	3.4	138
9	Synthesis and characterization of DNA adducts from the HIV reverse transcriptase inhibitor nevirapine. <i>Chemical Research in Toxicology</i> , <b>2008</b> , 21, 1443-56	4	24
8	Use of in vivo <sup>13</sup> C nuclear magnetic resonance spectroscopy to elucidate L-arabinose metabolism in yeasts. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 1845-55	4.8	12
7	Palladium(II) mediated aziridination of olefins with bromamine-T as the nitrogen source: scope and mechanism. <i>Tetrahedron</i> , <b>2007</b> , 63, 7009-7017	2.4	16
6	Differentiation of isomeric C8-substituted alkyaniline adducts of guanine by electrospray ionization and tandem quadrupole ion trap mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2003</b> , 14, 1488-92	3.5	10
5	Palladium(II)-promoted aziridination of olefins with bromamine T as the nitrogen transfer reagent. <i>Chemical Communications</i> , <b>2001</b> , 405-406	5.8	46
4	Post-source decay production studies of aniline and methylaniline adducts of deoxyguanosine. <i>Analytica Chimica Acta</i> , <b>1999</b> , 397, 257-265	6.6	
3	Product ion studies of some novel arylamine adducts of deoxyguanosine by matrix-assisted laser desorption/ionization and post-source decay. <i>Rapid Communications in Mass Spectrometry</i> , <b>1999</b> , 13, 2004-10	2.2	4
2	New syntheses of DNA adducts from methylated anilines present in tobacco smoke. <i>Chemical Research in Toxicology</i> , <b>1999</b> , 12, 1223-33	4	11
1	Isonothoapiol: A New Phenylpropenoid From <i>Ammi huntii</i> . <i>Natural Product Research</i> , <b>1997</b> , 11, 77-80		