

# M Matilde Marques

## List of Publications by Citations

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101  
papers

3,657  
citations

31  
h-index

57  
g-index

131  
ext. papers

4,090  
ext. citations

5.9  
avg, IF

4.82  
L-index

#	Paper	IF	Citations
101	Carcinogenicity of alcoholic beverages. <i>Lancet Oncology, The</i> , <b>2007</b> , 8, 292-3	21.7	599
100	Carcinogenicity of polycyclic aromatic hydrocarbons. <i>Lancet Oncology, The</i> , <b>2005</b> , 6, 931-2	21.7	234
99	DNA adduct formation from acrylamide via conversion to glycidamide in adult and neonatal mice. <i>Chemical Research in Toxicology</i> , <b>2003</b> , 16, 1328-37	4	213
98	Synthesis and antiviral evaluation of benzimidazoles, quinoxalines and indoles from dehydroabiatic acid. <i>Bioorganic and Medicinal Chemistry</i> , <b>2004</b> , 12, 103-12	3.4	114
97	Metabolism of biochanin A and formononetin by human liver microsomes in vitro. <i>Journal of Agricultural and Food Chemistry</i> , <b>2002</b> , 50, 4783-90	5.7	110
96	NMR structural studies of a 15-mer DNA duplex from a ras protooncogene modified with the carcinogen 2-aminofluorene: conformational heterogeneity. <i>Biochemistry</i> , <b>1994</b> , 33, 1373-84	3.2	89
95	Comparison of the toxicity of several fumonisin derivatives in a 28-day feeding study with female B6C3F(1) mice. <i>Toxicology and Applied Pharmacology</i> , <b>2002</b> , 185, 153-65	4.6	77
94	Formation of N-(Carboxymethyl)fumonisin B1, Following the Reaction of Fumonisin B1 with Reducing Sugars. <i>Journal of Agricultural and Food Chemistry</i> , <b>1998</b> , 46, 3546-3557	5.7	75
93	Carcinogenicity of acrylamide in B6C3F(1) mice and F344/N rats from a 2-year drinking water exposure. <i>Food and Chemical Toxicology</i> , <b>2013</b> , 51, 149-59	4.7	73
92	Studies on the Use of Ionic Liquids as Potential Extractants of Phenolic Compounds and Metal Ions. <i>Separation Science and Technology</i> , <b>2005</b> , 39, 2155-2169	2.5	72
91	Mutations induced by aromatic amine DNA adducts in pBR322. <i>Carcinogenesis</i> , <b>1994</b> , 15, 889-99	4.6	68
90	Synthesis, characterization, and quantitation of a 4-aminobiphenyl-DNA adduct standard. <i>Chemical Research in Toxicology</i> , <b>1999</b> , 12, 68-77	4	66
89	NMR structural studies of a 15-mer DNA sequence from a ras protooncogene, modified at the first base of codon 61 with the carcinogen 4-aminobiphenyl. <i>Biochemistry</i> , <b>1992</b> , 31, 9587-602	3.2	62
88	High-performance liquid chromatography electrospray ionization tandem mass spectrometry for the detection and quantitation of pyrrolizidine alkaloid-derived DNA adducts in vitro and in vivo. <i>Chemical Research in Toxicology</i> , <b>2010</b> , 23, 637-52	4	57
87	Synthesis and Characterization of New Organometallic Benzo[b]thiophene Derivatives with Potential Antitumor Properties. <i>Organometallics</i> , <b>2009</b> , 28, 5412-5423	3.8	53
86	Unlocking the Potential of HK2 in Cancer Metabolism and Therapeutics. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 7285-7322	4.3	53
85	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

84	Identification of tamoxifen-DNA adducts formed by 4-hydroxytamoxifen quinone methide. <i>Carcinogenesis</i> , <b>1997</b> , 18, 1949-54	4.6	51
83	Cytogenetic damage induced by acrylamide and glycidamide in mammalian cells: correlation with specific glycidamide-DNA adducts. <i>Toxicological Sciences</i> , <b>2007</b> , 95, 383-90	4.4	51
82	Inhibition of extrahepatic human cytochromes P450 1A1 and 1B1 by metabolism of isoflavones found in <i>Trifolium pratense</i> (red clover). <i>Journal of Agricultural and Food Chemistry</i> , <b>2004</b> , 52, 6623-32	5.7	51
81	Comparison of the DNA adducts formed by tamoxifen and 4-hydroxytamoxifen in vivo. <i>Carcinogenesis</i> , <b>1999</b> , 20, 471-7	4.6	48
80	Effect of substitution site upon the oxidation potentials of alkyylanilines, the mutagenicities of N-hydroxyalkylanilines, and the conformations of alkyylaniline-DNA adducts. <i>Chemical Research in Toxicology</i> , <b>1997</b> , 10, 1266-74	4	47
79	Advisory Group recommendations on priorities for the IARC Monographs. <i>Lancet Oncology</i> , <b>2019</b> , 20, 763-764	21.7	44
78	Protein adducts as prospective biomarkers of nevirapine toxicity. <i>Chemical Research in Toxicology</i> , <b>2010</b> , 23, 1714-25	4	39
77	Synthesis, characterization, and conformational analysis of DNA adducts from methylated anilines present in tobacco smoke. <i>Chemical Research in Toxicology</i> , <b>1996</b> , 9, 99-108	4	38
76	Electrospray ionization-tandem mass spectrometry and 32P-postlabeling analyses of tamoxifen-DNA adducts in humans. <i>Journal of the National Cancer Institute</i> , <b>2004</b> , 96, 1099-104	9.7	35
75	Quantitative analysis of 4-aminobiphenyl-C8-deoxyguanosyl DNA adducts produced in vitro and in vivo using HPLC-ES-MS. <i>Carcinogenesis</i> , <b>1999</b> , 20, 1055-61	4.6	35
74	Tumorigenicity of acrylamide and its metabolite glycidamide in the neonatal mouse bioassay. <i>International Journal of Cancer</i> , <b>2012</b> , 131, 2008-15	7.5	33
73	DNA adduct formation and induction of micronuclei and mutations in B6C3F1/Tk mice treated neonatally with acrylamide or glycidamide. <i>International Journal of Cancer</i> , <b>2009</b> , 124, 2006-15	7.5	33
72	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
71	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
70	Quantification of tamoxifen DNA adducts using on-line sample preparation and HPLC-electrospray ionization tandem mass spectrometry. <i>Chemical Research in Toxicology</i> , <b>2003</b> , 16, 357-66	4	31
69	Interactions of D-ribose with polyatomic anions, and alkaline and alkaline-earth cations: possible clues to environmental synthesis conditions in the pre-RNA world. <i>New Journal of Chemistry</i> , <b>2008</b> , 32, 2043	3.6	30
68	Carcinogenicity of glycidamide in B6C3F1 mice and F344/N rats from a two-year drinking water exposure. <i>Food and Chemical Toxicology</i> , <b>2015</b> , 86, 104-15	4.7	29
67	DNA adduct formation and mutant induction in Sprague-Dawley rats treated with tamoxifen and its derivatives. <i>Carcinogenesis</i> , <b>2001</b> , 22, 1307-15	4.6	29

66	Low dose assessment of the carcinogenicity of furan in male F344/N Nctr rats in a 2-year gavage study. <i>Food and Chemical Toxicology</i> , <b>2017</b> , 99, 170-181	4.7	27
65	Synthesis, characterization, and comparative <sup>32</sup> P-postlabeling efficiencies of 2,6-dimethylaniline-DNA adducts. <i>Chemical Research in Toxicology</i> , <b>2001</b> , 14, 165-74	4	27
64	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
63	Tetrahedral intermediates formed by nitrogen and oxygen attack of aromatic hydroxylamines on acetyl cyanide. <i>Journal of Organic Chemistry</i> , <b>1987</b> , 52, 2925-2927	4.2	26
62	Reactions between hydroxylamines and aroyl cyanides. <i>Tetrahedron Letters</i> , <b>1982</b> , 23, 1391-1394	2	25
61	Mechanistic insights into the cytotoxicity and genotoxicity induced by glycidamide in human mammary cells. <i>Mutagenesis</i> , <b>2013</b> , 28, 721-9	2.8	24
60	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
59	Characterization of the major DNA adduct formed by alpha-hydroxy-N-desmethyltamoxifen in vitro and in vivo. <i>Chemical Research in Toxicology</i> , <b>2000</b> , 13, 200-7	4	24
58	Arylamine-DNA adduct conformation in relation to mutagenesis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>1997</b> , 376, 13-9	3.3	20
57	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
56	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
55	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
54	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
53	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
52	Monitoring abacavir bioactivation in humans: screening for an aldehyde metabolite. <i>Toxicology Letters</i> , <b>2013</b> , 219, 59-64	4.4	17
51	DNA adducts from nitroreduction of 2,7-dinitrofluorene, a mammary gland carcinogen, catalyzed by rat liver or mammary gland cytosol. <i>Chemical Research in Toxicology</i> , <b>2002</b> , 15, 536-44	4	17
50	Formation of tamoxifen-DNA adducts in multiple organs of adult female cynomolgus monkeys dosed with tamoxifen for 30 days. <i>Cancer Research</i> , <b>2003</b> , 63, 5999-6003	10.1	17
49	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

48	Induction of lacI mutations in Big Blue rats treated with tamoxifen and alpha-hydroxytamoxifen. <i>Cancer Letters</i> , <b>2002</b> , 176, 37-45	9.9	16
47	Analysis of tamoxifen-DNA adducts in endometrial explants by MS and 32P-postlabeling. <i>Biochemical and Biophysical Research Communications</i> , <b>2004</b> , 320, 297-302	3.4	15
46	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
45	Mutations induced by alpha-hydroxytamoxifen in the lacI and cII genes of Big Blue transgenic rats. <i>Carcinogenesis</i> , <b>2002</b> , 23, 1751-7	4.6	14
44	32P-Postlabeling of N-(deoxyguanosin-8-yl)arylamine adducts: a comparative study of labeling efficiencies. <i>Chemical Research in Toxicology</i> , <b>1999</b> , 12, 661-9	4	13
43	Tetrahedral intermediates formed during acyl transfer. Reactions of acetyl cyanide. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1985</b> , 1113		13
42	The phenolic metabolites of the anti-HIV drug efavirenz: evidence for distinct reactivities upon oxidation with Fröhly's salt. <i>European Journal of Medicinal Chemistry</i> , <b>2014</b> , 74, 7-11	6.8	12
41	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
40	Synthesis, characterization, and solution properties of ras sequences modified by arylamine carcinogens at the first base of codon 61. <i>Chemical Research in Toxicology</i> , <b>1990</b> , 3, 559-65	4	11
39	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
38	Differentiation of isomeric C8-substituted alkylaniline 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
37	DNA adduct formation in the livers of female Sprague-Dawley rats treated with toremifene or alpha-hydroxytoremifene. <i>Chemical Research in Toxicology</i> , <b>2007</b> , 20, 300-10	4	9
36	Uracil and thiouracil complexes of dicyclopentadienyl molybdenum and tungsten: Preparation and electrochemistry. The structures of [M(η-C5H5)2(2-SN2OC4H3)][PF6], [M(η-C5H5)2{2-S(CH3)N2OC4H2}][PF6], [Mo(η-C5H5)2(4-SN2OC4H3)][PF6] and [Mo(η-C5H5)2{4-S(CH3)N2OC4H2}][PF6] (M = Mo and W). <i>Polyhedron</i> , <b>1995</b> , 14, 675-685	2.7	9
35	NKp30 - A prospective target for new cancer immunotherapy strategies. <i>British Journal of Pharmacology</i> , <b>2020</b> , 177, 4563-4580	8.6	9
34	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
33	Synthesis and investigation of alpha-hydroxy-N,N-didesmethyltamoxifen as a proximate carcinogen in the metabolic activation of tamoxifen. <i>Chemical Research in Toxicology</i> , <b>2003</b> , 16, 1090-8	4	8
32	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
31	Synthesis of catecholamine conjugates with nitrogen-centered bionucleophiles. <i>Bioorganic Chemistry</i> , <b>2012</b> , 44, 19-24	5.1	7

30	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
29	Tamoxifen-DNA adduct formation in human endometrium. <i>Chemical Research in Toxicology</i> , <b>2005</b> , 18, 1507-9; author reply 1509-11	4	7
28	Singularities of nevirapine metabolism: from sex-dependent differences to idiosyncratic toxicity. <i>Drug Metabolism Reviews</i> , <b>2019</b> , 51, 76-90	7	7
27	Antimicrobial and antitumor activity of S-methyl dithiocarbamate Schiff base zinc(II) complexes. <i>Journal of Inorganic Biochemistry</i> , <b>2021</b> , 216, 111331	4.2	7
26	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
25	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
24	2RDeoxythymidine adducts from the anti-HIV drug nevirapine. <i>Molecules</i> , <b>2013</b> , 18, 4955-71	4.8	6
23	Effect of N,N-didesmethyltamoxifen upon DNA adduct formation by tamoxifen and alpha-hydroxytamoxifen. <i>Cancer Letters</i> , <b>2007</b> , 257, 191-8	9.9	6
22	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
21	Synthesis, Crystal Structure, and Biological Evaluation of Fused Thiazolo[3,2-]Pyrimidines as New Acetylcholinesterase Inhibitors. <i>Molecules</i> , <b>2019</b> , 24,	4.8	5
20	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
19	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
18	An ester derivative of the drug gabapentin: pH dependent crystal stability. <i>Journal of Molecular Structure</i> , <b>2010</b> , 973, 173-179	3.4	5
17	Targeting gliomas with triazene-based hybrids: Structure-activity relationship, mechanistic study and stability. <i>European Journal of Medicinal Chemistry</i> , <b>2019</b> , 172, 16-25	6.8	4
16	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
15	The effect of deuterium and fluorine substitution upon the mutagenicity of N-hydroxy-2,6-dimethylaniline. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2002</b> , 506-507, 41-8	3.3	4
14	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
13	Effect of substituents in the molecular and supramolecular architectures of 1-ferrocenyl-2-(aryl)thioethanones. <i>CrystEngComm</i> , <b>2015</b> , 17, 3089-3102	3.3	3

12	Effect of C <sub>H</sub> X interactions (X = O, S, N) in the supramolecular arrangements of 3-ferrocenyl-methoxybenzo[b]thiophene isomers. <i>CrystEngComm</i> , <b>2011</b> , 13, 1638-1645	3.3	3
11	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
10	Molecular recognition of guanosine and 2-acetylaminofluorene-modified guanosine. A comparative study. <i>Supramolecular Chemistry</i> , <b>1995</b> , 5, 243-253	1.8	3
9	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
8	Molecular Recognition of Acetylaminofluorene-and Aminofluorene-modified Guanosine. <i>Supramolecular Chemistry</i> , <b>2000</b> , 11, 201-215	1.8	1
7	A New Bi-Functional Receptor for Acetylamino- Fluorene Modified Guanosine <b>1998</b> , 487-490		1
6	Pharmacometabolomics in Drug Discovery and Development <b>2021</b> , 480-500		1
5	One-dimensional multiple quantum filtration <sup>1</sup> H NMR spectra of a 15-mer DNA Duplex modified by the carcinogen 4-aminobiphenyl. <i>Magnetic Resonance in Chemistry</i> , <b>1993</b> , 31, 1008-1010	2.1	0
4	Antioxidative response of lettuce ( <i>Lactuca sativa</i> ) to carbamazepine-induced stress. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 28, 45920-45932	5.1	0
3	1st Spring Virtual Meeting on Medicinal Chemistry. <i>Chemistry Proceedings</i> , <b>2021</b> , 4, 1		
2	Effects of Metformin on Antioxidative Response of <i>Lactuca sativa</i> Plants. <i>Biology and Life Sciences Forum</i> , <b>2021</b> , 4, 63		
1	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	