

M Matilde Marques

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.

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	1st Spring Virtual Meeting on Medicinal Chemistry. <i>Chemistry Proceedings</i> , 2021 , 4, 1		
100	Effects of Metformin on Antioxidative Response of Lactuca sativa Plants. <i>Biology and Life Sciences Forum</i> , 2021 , 4, 63		
99	The 2-hydroxy-nevirapine metabolite as a candidate for boosting apolipoprotein A1 and for modulating anti-HDL antibodies. <i>Pharmacological Research</i> , 2021 , 165, 105446	10.2	
98	Antioxidative response of lettuce (Lactuca sativa) to carbamazepine-induced stress. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 45920-45932	5.1	0
97	Antimicrobial and antitumor activity of S-methyl dithiocarbazate Schiff base zinc(II) complexes. <i>Journal of Inorganic Biochemistry</i> , 2021 , 216, 111331	4.2	7
96	Pharmacometabolomics in Drug Discovery and Development 2021 , 480-500		1
95	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> , 2020 , 21,	6.3	6
94	NKp30 - A prospective target for new cancer immunotherapy strategies. <i>British Journal of Pharmacology</i> , 2020 , 177, 4563-4580	8.6	9
93	Synthesis, Crystal Structure, and Biological Evaluation of Fused Thiazolo[3,2-]Pyrimidines as New Acetylcholinesterase Inhibitors. <i>Molecules</i> , 2019 , 24,	4.8	5
92	Advisory Group recommendations on priorities for the IARC Monographs. <i>Lancet Oncology</i> , 2019 , 20, 763-764	21.7	44
91	Targeting gliomas with triazene-based hybrids: Structure-activity relationship, mechanistic study and stability. <i>European Journal of Medicinal Chemistry</i> , 2019 , 172, 16-25	6.8	4
90	Unlocking the Potential of HK2 in Cancer Metabolism and Therapeutics. <i>Current Medicinal Chemistry</i> , 2019 , 26, 7285-7322	4.3	53
89	Singularities of nevirapine metabolism: from sex-dependent differences to idiosyncratic toxicity. <i>Drug Metabolism Reviews</i> , 2019 , 51, 76-90	7	7
88	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> , 2018 , 119, 70-82	5.1	8
87	The first-line antiepileptic drug carbamazepine: Reaction with biologically relevant free radicals. <i>Free Radical Biology and Medicine</i> , 2018 , 129, 559-568	7.8	6
86	Hepatocyte spheroids as a competent in vitro system for drug biotransformation studies: nevirapine as a bioactivation case study. <i>Archives of Toxicology</i> , 2017 , 91, 1199-1211	5.8	19
85	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> , 2017 , 99, 170-181	4.7	27

84	Unmasking efavirenz neurotoxicity: Time matters to the underlying mechanisms. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 105, 47-54	5.1	18
83	Efavirenz biotransformation as an up-stream event of mood changes in HIV-infected patients. <i>Toxicology Letters</i> , 2016 , 260, 28-35	4.4	5
82	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> , 2016 , 264, 106-113	4.4	16
81	Nevirapine modulation of paraoxonase-1 in the liver: An in vitro three-model approach. <i>European Journal of Pharmaceutical Sciences</i> , 2016 , 82, 147-53	5.1	6
80	Sex differences in hepatic and intestinal contributions to nevirapine biotransformation in rats. <i>Chemico-Biological Interactions</i> , 2015 , 233, 115-21	5	4
79	Quinoid derivatives of the nevirapine metabolites 2-hydroxy- and 3-hydroxy-nevirapine: activation pathway to amino acid adducts. <i>Toxicology Research</i> , 2015 , 4, 1565-1577	2.6	3
78	Carcinogenicity of glycidamide in B6C3F1 mice and F344/N rats from a two-year drinking water exposure. <i>Food and Chemical Toxicology</i> , 2015 , 86, 104-15	4.7	29
77	Effect of substituents in the molecular and supramolecular architectures of 1-ferrocenyl-2-(aryl)thioethanones. <i>CrystEngComm</i> , 2015 , 17, 3089-3102	3.3	3
76	Bioactivation to an aldehyde metabolite--possible role in the onset of toxicity induced by the anti-HIV drug abacavir. <i>Toxicology Letters</i> , 2014 , 224, 416-23	4.4	18
75	Differences in nevirapine biotransformation as a factor for its sex-dependent dimorphic profile of adverse drug reactions. <i>Journal of Antimicrobial Chemotherapy</i> , 2014 , 69, 476-82	5.1	18
74	The phenolic metabolites of the anti-HIV drug efavirenz: evidence for distinct reactivities upon oxidation with Fr ₄ hyB salt. <i>European Journal of Medicinal Chemistry</i> , 2014 , 74, 7-11	6.8	12
73	Development and validation of an HPLC-UV method for quantifying nevirapine and its main phase I metabolites in human blood. <i>Analytical Methods</i> , 2014 , 6, 1575	3.2	7
72	Sex differences in apolipoprotein A1 and nevirapine-induced toxicity. <i>Journal of the International AIDS Society</i> , 2014 , 17, 19575	5.4	2
71	Synthesis and evaluation of diaryl sulfides and diaryl selenide compounds for antitubulin and cytotoxic activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 4669-73	2.9	52
70	Monitoring abacavir bioactivation in humans: screening for an aldehyde metabolite. <i>Toxicology Letters</i> , 2013 , 219, 59-64	4.4	17
69	Carcinogenicity of acrylamide in B6C3F(1) mice and F344/N rats from a 2-year drinking water exposure. <i>Food and Chemical Toxicology</i> , 2013 , 51, 149-59	4.7	73
68	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> , 2013 , 42, 443-6	14.3	10
67	Mechanistic insights into the cytotoxicity and genotoxicity induced by glycidamide in human mammary cells. <i>Mutagenesis</i> , 2013 , 28, 721-9	2.8	24

66	2RDeoxythymidine adducts from the anti-HIV drug nevirapine. <i>Molecules</i> , 2013 , 18, 4955-71	4.8	6
65	Biomimetic oxidation of aromatic xenobiotics: synthesis of the phenolic metabolites from the anti-HIV drug efavirenz. <i>Organic and Biomolecular Chemistry</i> , 2012 , 10, 4554-61	3.9	5
64	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> , 2012 , 167, 1353-61	8.6	14
63	Evidence for nevirapine bioactivation in man: searching for the first step in the mechanism of nevirapine toxicity. <i>Toxicology</i> , 2012 , 301, 33-9	4.4	31
62	Synthesis of catecholamine conjugates with nitrogen-centered bionucleophiles. <i>Bioorganic Chemistry</i> , 2012 , 44, 19-24	5.1	7
61	Tumorigenicity of acrylamide and its metabolite glycidamide in the neonatal mouse bioassay. <i>International Journal of Cancer</i> , 2012 , 131, 2008-15	7.5	33
60	Insights into the Role of Bioactivation Mechanisms in the Toxic Events Elicited by Non-nucleoside Reverse Transcriptase Inhibitors. <i>Advances in Molecular Toxicology</i> , 2012 , 6, 1-39	0.4	3
59	Oxidation of 2-hydroxynevirapine, a phenolic metabolite of the anti-HIV drug nevirapine: evidence for an unusual pyridine ring contraction. <i>Molecules</i> , 2012 , 17, 2616-27	4.8	7
58	Reactive aldehyde metabolites from the anti-HIV drug abacavir: amino acid adducts as possible factors in abacavir toxicity. <i>Chemical Research in Toxicology</i> , 2011 , 24, 2129-41	4	26
57	Synthesis and oxidation of 2-hydroxynevirapine, a metabolite of the HIV reverse transcriptase inhibitor nevirapine. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 7822-35	3.9	19
56	Effect of CH π interactions (X = O, S, N) in the supramolecular arrangements of 3-ferrocenyl-methoxybenzo[b]thiophene isomers. <i>CrystEngComm</i> , 2011 , 13, 1638-1645	3.3	3
55	Protein adducts as prospective biomarkers of nevirapine toxicity. <i>Chemical Research in Toxicology</i> , 2010 , 23, 1714-25	4	39
54	Amino acid adduct formation by the nevirapine metabolite, 12-hydroxynevirapine--a possible factor in nevirapine toxicity. <i>Chemical Research in Toxicology</i> , 2010 , 23, 888-99	4	31
53	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> , 2010 , 23, 637-52	4	57
52	An ester derivative of the drug gabapentin: pH dependent crystal stability. <i>Journal of Molecular Structure</i> , 2010 , 973, 173-179	3.4	5
51	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> , 2009 , 124, 2006-15	7.5	33
50	Synthesis and Characterization of New Organometallic Benzo[b]thiophene Derivatives with Potential Antitumor Properties. <i>Organometallics</i> , 2009 , 28, 5412-5423	3.8	53
49	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> , 2008 , 32, 2043	3.6	30

48	Synthesis and characterization of DNA adducts from the HIV reverse transcriptase inhibitor nevirapine. <i>Chemical Research in Toxicology</i> , 2008 , 21, 1443-56	4	24
47	DNA adduct formation in the livers of female Sprague-Dawley rats treated with toremifene or alpha-hydroxytoremifene. <i>Chemical Research in Toxicology</i> , 2007 , 20, 300-10	4	9
46	Carcinogenicity of alcoholic beverages. <i>Lancet Oncology, The</i> , 2007 , 8, 292-3	21.7	599
45	Effect of N,N-didesmethyltamoxifen upon DNA adduct formation by tamoxifen and alpha-hydroxytamoxifen. <i>Cancer Letters</i> , 2007 , 257, 191-8	9.9	6
44	Cytogenetic damage induced by acrylamide and glycidamide in mammalian cells: correlation with specific glycidamide-DNA adducts. <i>Toxicological Sciences</i> , 2007 , 95, 383-90	4.4	51
43	Carcinogenicity of polycyclic aromatic hydrocarbons. <i>Lancet Oncology, The</i> , 2005 , 6, 931-2	21.7	234
42	Tamoxifen-DNA adduct formation in human endometrium. <i>Chemical Research in Toxicology</i> , 2005 , 18, 1507-9; author reply 1509-11	4	7
41	Studies on the Use of Ionic Liquids as Potential Extractants of Phenolic Compounds and Metal Ions. <i>Separation Science and Technology</i> , 2005 , 39, 2155-2169	2.5	72
40	Electrospray ionization-tandem mass spectrometry and 32P-postlabeling analyses of tamoxifen-DNA adducts in humans. <i>Journal of the National Cancer Institute</i> , 2004 , 96, 1099-104	9.7	35
39	Synthesis and antiviral evaluation of benzimidazoles, quinoxalines and indoles from dehydroabiatic acid. <i>Bioorganic and Medicinal Chemistry</i> , 2004 , 12, 103-12	3.4	114
38	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> , 2004 , 52, 6623-32	5.7	51
37	Analysis of tamoxifen-DNA adducts in endometrial explants by MS and 32P-postlabeling. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 320, 297-302	3.4	15
36	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> , 2003 , 14, 1488-92	3.5	10
35	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> , 2003 , 16, 1090-8	4	8
34	Quantification of tamoxifen DNA adducts using on-line sample preparation and HPLC-electrospray ionization tandem mass spectrometry. <i>Chemical Research in Toxicology</i> , 2003 , 16, 357-66	4	31
33	DNA adduct formation from acrylamide via conversion to glycidamide in adult and neonatal mice. <i>Chemical Research in Toxicology</i> , 2003 , 16, 1328-37	4	213
32	Formation of tamoxifen-DNA adducts in multiple organs of adult female cynomolgus monkeys dosed with tamoxifen for 30 days. <i>Cancer Research</i> , 2003 , 63, 5999-6003	10.1	17
31	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> , 2002 , 506-507, 41-8	3.3	4

30	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> , 2002 , 185, 153-65	4.6	77
29	Mutations induced by alpha-hydroxytamoxifen in the lacI and cII genes of Big Blue transgenic rats. <i>Carcinogenesis</i> , 2002 , 23, 1751-7	4.6	14
28	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> , 2002 , 15, 536-44	4	17
27	Metabolism of biochanin A and formononetin by human liver microsomes in vitro. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 4783-90	5.7	110
26	Induction of lacI mutations in Big Blue rats treated with tamoxifen and alpha-hydroxytamoxifen. <i>Cancer Letters</i> , 2002 , 176, 37-45	9.9	16
25	DNA adduct formation and mutant induction in Sprague-Dawley rats treated with tamoxifen and its derivatives. <i>Carcinogenesis</i> , 2001 , 22, 1307-15	4.6	29
24	Synthesis, characterization, and comparative ³² P-postlabeling efficiencies of 2,6-dimethylaniline-DNA adducts. <i>Chemical Research in Toxicology</i> , 2001 , 14, 165-74	4	27
23	Characterization of the major DNA adduct formed by alpha-hydroxy-N-desmethyltamoxifen in vitro and in vivo. <i>Chemical Research in Toxicology</i> , 2000 , 13, 200-7	4	24
22	Molecular Recognition of Acetylaminofluorene-and Aminofluorene-modified Guanosine. <i>Supramolecular Chemistry</i> , 2000 , 11, 201-215	1.8	1
21	Comparison of the DNA adducts formed by tamoxifen and 4-hydroxytamoxifen in vivo. <i>Carcinogenesis</i> , 1999 , 20, 471-7	4.6	48
20	Quantitative analysis of 4-aminobiphenyl-C8-deoxyguanosyl DNA adducts produced in vitro and in vivo using HPLC-ES-MS. <i>Carcinogenesis</i> , 1999 , 20, 1055-61	4.6	35
19	New syntheses of DNA adducts from methylated anilines present in tobacco smoke. <i>Chemical Research in Toxicology</i> , 1999 , 12, 1223-33	4	11
18	³² P-Postlabeling of N-(deoxyguanosin-8-yl)arylamine adducts: a comparative study of labeling efficiencies. <i>Chemical Research in Toxicology</i> , 1999 , 12, 661-9	4	13
17	Synthesis, characterization, and quantitation of a 4-aminobiphenyl-DNA adduct standard. <i>Chemical Research in Toxicology</i> , 1999 , 12, 68-77	4	66
16	Formation of N-(Carboxymethyl)fumonisin B1, Following the Reaction of Fumonisin B1 with Reducing Sugars. <i>Journal of Agricultural and Food Chemistry</i> , 1998 , 46, 3546-3557	5.7	75
15	A New Bi-Functional Receptor for Acetylamino- Fluorene Modified Guanosine 1998 , 487-490		1
14	Identification of tamoxifen-DNA adducts formed by 4-hydroxytamoxifen quinone methide. <i>Carcinogenesis</i> , 1997 , 18, 1949-54	4.6	51
13	Effect of substitution site upon the oxidation potentials of alkylanilines, the mutagenicities of N-hydroxyalkylanilines, and the conformations of alkylaniline-DNA adducts. <i>Chemical Research in Toxicology</i> , 1997 , 10, 1266-74	4	47

12	Arylamine-DNA adduct conformation in relation to mutagenesis. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1997 , 376, 13-9	3.3	20
11	Synthesis, characterization, and conformational analysis of DNA adducts from methylated anilines present in tobacco smoke. <i>Chemical Research in Toxicology</i> , 1996 , 9, 99-108	4	38
10	Uracil and thiouracil complexes of dicyclopentadienyl molybdenum and tungsten: Preparation and electrochemistry. The structures of [M(η -C ₅ H ₅) ₂ (2-SN ₂ OC ₄ H ₃)]PF ₆ , [M(η -C ₅ H ₅) ₂ {2-S(CH ₃)N ₂ OC ₄ H ₂ }]PF ₆ , [Mo(η -C ₅ H ₅) ₂ (4-SN ₂ OC ₄ H ₃)]PF ₆ and [Mo(η -C ₅ H ₅) ₂ {4-S(CH ₃)N ₂ OC ₄ H ₂ }]PF ₆ (M = Mo and W). <i>Polyhedron</i> , 1995 , 14, 675-685	2.7	9
9	Molecular recognition of guanosine and 2-acetylaminofluorene-modified guanosine. A comparative study. <i>Supramolecular Chemistry</i> , 1995 , 5, 243-253	1.8	3
8	Mutations induced by aromatic amine DNA adducts in pBR322. <i>Carcinogenesis</i> , 1994 , 15, 889-99	4.6	68
7	NMR structural studies of a 15-mer DNA duplex from a ras protooncogene modified with the carcinogen 2-aminofluorene: conformational heterogeneity. <i>Biochemistry</i> , 1994 , 33, 1373-84	3.2	89
6	One-dimensional multiple quantum filtration ¹ H NMR spectra of a 15-mer DNA Duplex modified by the carcinogen 4-aminobiphenyl. <i>Magnetic Resonance in Chemistry</i> , 1993 , 31, 1008-1010	2.1	0
5	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> , 1992 , 31, 9587-602	3.2	62
4	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> , 1990 , 3, 559-65	4	11
3	Tetrahedral intermediates formed by nitrogen and oxygen attack of aromatic hydroxylamines on acetyl cyanide. <i>Journal of Organic Chemistry</i> , 1987 , 52, 2925-2927	4.2	26
2	Tetrahedral intermediates formed during acyl transfer. Reactions of acetyl cyanide. <i>Journal of the Chemical Society Chemical Communications</i> , 1985 , 1113		13
1	Reactions between hydroxylamines and aroyl cyanides. <i>Tetrahedron Letters</i> , 1982 , 23, 1391-1394	2	25