M Matilde Marques

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Carcinogenicity of alcoholic beverages. Lancet Oncology, The, 2007, 8, 292-293.	10.7	733
2	Carcinogenicity of polycyclic aromatic hydrocarbons. Lancet Oncology, The, 2005, 6, 931-932.	10.7	270
3	DNA Adduct Formation from Acrylamide via Conversion To Glycidamide in Adult and Neonatal Mice. Chemical Research in Toxicology, 2003, 16, 1328-1337.	3.3	245
4	A review of human carcinogens—Part A: pharmaceuticals. Lancet Oncology, The, 2009, 10, 13-14.	10.7	137
5	Synthesis and antiviral evaluation of benzimidazoles, quinoxalines and indoles from dehydroabietic acid. Bioorganic and Medicinal Chemistry, 2004, 12, 103-112.	3.0	133
6	Metabolism of Biochanin A and Formononetin by Human Liver Microsomes in Vitro. Journal of Agricultural and Food Chemistry, 2002, 50, 4783-4790.	5.2	128
7	Unlocking the Potential of HK2 in Cancer Metabolism and Therapeutics. Current Medicinal Chemistry, 2020, 26, 7285-7322.	2.4	122
8	Carcinogenicity of acrylamide in B6C3F1 mice and F344/N rats from a 2-year drinking water exposure. Food and Chemical Toxicology, 2013, 51, 149-159.	3.6	97
9	NMR structural studies of a 15-mer DNA duplex from a ras protooncogene modified with the carcinogen 2-aminofluorene: conformational heterogeneity. Biochemistry, 1994, 33, 1373-1384.	2.5	96
10	Formation ofN-(Carboxymethyl)fumonisin B1, Following the Reaction of Fumonisin B1with Reducing Sugars. Journal of Agricultural and Food Chemistry, 1998, 46, 3546-3557.	5.2	86
11	Comparison of the Toxicity of Several Fumonisin Derivatives in a 28-Day Feeding Study with Female B6C3F1 Mice. Toxicology and Applied Pharmacology, 2002, 185, 153-165.	2.8	85
12	Studies on the Use of Ionic Liquids as Potential Extractants of Phenolic Compounds and Metal Ions. Separation Science and Technology, 2005, 39, 2155-2169.	2.5	81
13	Synthesis, Characterization, and Quantitation of a 4-Aminobiphenylâ^'DNA Adduct Standard. Chemical Research in Toxicology, 1999, 12, 68-77.	3.3	73
14	Mutations induced by aromatic amine DNA adducts in pBR322. Carcinogenesis, 1994, 15, 889-899.	2.8	70
15	Advisory Group recommendations on priorities for the IARC Monographs. Lancet Oncology, The, 2019, 20, 763-764.	10.7	70
16	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. Biochemistry, 1992, 31, 9587-9602.	2.5	69
17	Synthesis and evaluation of diaryl sulfides and diaryl selenide compounds for antitubulin and cytotoxic activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4669-4673.	2.2	67
18	Cytogenetic Damage Induced by Acrylamide and Glycidamide in Mammalian Cells: Correlation with Specific Glycidamide-DNA Adducts. Toxicological Sciences, 2006, 95, 383-390.	3.1	66

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19	High-Performance Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry for the Detection and Quantitation of Pyrrolizidine Alkaloid-Derived DNA Adducts <i>in Vitro</i> and <i>in Vivo</i> . Chemical Research in Toxicology, 2010, 23, 637-652.	3.3	65
20	Inhibition of Extrahepatic Human Cytochromes P450 1A1 and 1B1 by Metabolism of Isoflavones Found inTrifolium pratense(Red Clover). Journal of Agricultural and Food Chemistry, 2004, 52, 6623-6632.	5.2	63
21	Identification of tamoxifen-DNA adducts formed by 4-hydroxytamoxifen quinone methide. Carcinogenesis, 1997, 18, 1949-1954.	2.8	62
22	Carcinogenicity of acrolein, crotonaldehyde, and arecoline. Lancet Oncology, The, 2021, 22, 19-20.	10.7	60
23	Synthesis and Characterization of New Organometallic Benzo[<i>b</i>]thiophene Derivatives with Potential Antitumor Properties. Organometallics, 2009, 28, 5412-5423.	2.3	59
24	Effect of Substitution Site upon the Oxidation Potentials of Alkylanilines, the Mutagenicities ofN-Hydroxyalkylanilines, and the Conformations of Alkylanilineâ^'DNA Adducts. Chemical Research in Toxicology, 1997, 10, 1266-1274.	3.3	51
25	Comparison of the DNA adducts formed by tamoxifen and 4-hydroxytamoxifen in vivo. Carcinogenesis, 1999, 20, 471-477.	2.8	51
26	Carcinogenicity of some industrial chemicals. Lancet Oncology, The, 2016, 17, 419-420.	10.7	46
27	Tumorigenicity of acrylamide and its metabolite glycidamide in the neonatal mouse bioassay. International Journal of Cancer, 2012, 131, 2008-2015.	5.1	44
28	Low dose assessment of the carcinogenicity of furan in male F344/N Nctr rats in a 2-year gavage study. Food and Chemical Toxicology, 2017, 99, 170-181.	3.6	44
29	Synthesis, Characterization, and Conformational Analysis of DNA Adducts from Methylated Anilines Present in Tobacco Smoke. Chemical Research in Toxicology, 1996, 9, 99-108.	3.3	43
30	Quantitative analysis of 4-aminobiphenyl-C8-deoxyguanosyl DNA adducts produced in vitro and in vivo using HPLCES-MS. Carcinogenesis, 1999, 20, 1055-1061.	2.8	42
31	Protein Adducts As Prospective Biomarkers of Nevirapine Toxicity. Chemical Research in Toxicology, 2010, 23, 1714-1725.	3.3	42
32	Carcinogenicity of glycidamide in B6C3F1 mice and F344/N rats from a two-year drinking water exposure. Food and Chemical Toxicology, 2015, 86, 104-115.	3.6	41
33	Electrospray Ionization-Tandem Mass Spectrometry and 32P-Postlabeling Analyses of Tamoxifen-DNA Adducts in Humans. Journal of the National Cancer Institute, 2004, 96, 1099-1104.	6.3	39
34	DNA adduct formation and mutant induction in Sprague-Dawley rats treated with tamoxifen and its derivatives. Carcinogenesis, 2001, 22, 1307-1315.	2.8	36
35	Interactions of d-ribose with polyatomic anions, and alkaline and alkaline-earth cations: possible clues to environmental synthesis conditions in the pre-RNA world. New Journal of Chemistry, 2008, 32, 2043.	2.8	36
36	DNA adduct formation and induction of micronuclei and mutations in B6C3F ₁ / <i>Tk</i> mice treated neonatally with acrylamide or glycidamide. International Journal of Cancer, 2009, 124, 2006-2015.	5.1	36

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37	Evidence for nevirapine bioactivation in man: Searching for the first step in the mechanism of nevirapine toxicity. Toxicology, 2012, 301, 33-39.	4.2	35
38	Synthesis, Characterization, and Comparative 32P-Postlabeling Efficiencies of 2,6-Dimethylanilineâ^'DNA Adducts. Chemical Research in Toxicology, 2001, 14, 165-174.	3.3	34
39	Quantification of Tamoxifen DNA Adducts Using On-Line Sample Preparation and HPLC-Electrospray Ionization Tandem Mass Spectrometry. Chemical Research in Toxicology, 2003, 16, 357-366.	3.3	34
40	Amino Acid Adduct Formation by the Nevirapine Metabolite, 12-Hydroxynevirapine—A Possible Factor in Nevirapine Toxicity. Chemical Research in Toxicology, 2010, 23, 888-899.	3.3	34
41	Tetrahedral intermediates formed by nitrogen and oxygen attack of aromatic hydroxylamines on acetyl cyanide. Journal of Organic Chemistry, 1987, 52, 2925-2927.	3.2	33
42	Mechanistic insights into the cytotoxicity and genotoxicity induced by glycidamide in human mammary cells. Mutagenesis, 2013, 28, 721-729.	2.6	32
43	Reactive Aldehyde Metabolites from the Anti-HIV Drug Abacavir: Amino Acid Adducts as Possible Factors in Abacavir Toxicity. Chemical Research in Toxicology, 2011, 24, 2129-2141.	3.3	31
44	Reactions between hydroxylamines and aroyl cyanides. Tetrahedron Letters, 1982, 23, 1391-1394.	1.4	30
45	Antimicrobial and antitumor activity of S-methyl dithiocarbazate Schiff base zinc(II) complexes. Journal of Inorganic Biochemistry, 2021, 216, 111331.	3.5	30
46	Characterization of the Major DNA Adduct Formed by α-Hydroxy-N-desmethyltamoxifen in Vitro and in Vivo. Chemical Research in Toxicology, 2000, 13, 200-207.	3.3	28
47	Carcinogenicity of some drugs and herbal products. Lancet Oncology, The, 2013, 14, 807-808.	10.7	28
48	Arylamine–DNA adduct conformation in relation to mutagenesis. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 1997, 376, 13-19.	1.0	27
49	Synthesis and Characterization of DNA Adducts from the HIV Reverse Transcriptase Inhibitor Nevirapine. Chemical Research in Toxicology, 2008, 21, 1443-1456.	3.3	27
50	New insights into the molecular mechanisms of chemical carcinogenesis: In vivo adduction of histone H2B by a reactive metabolite of the chemical carcinogen furan. Toxicology Letters, 2016, 264, 106-113.	0.8	26
51	Hepatocyte spheroids as a competent in vitro system for drug biotransformation studies: nevirapine as a bioactivation case study. Archives of Toxicology, 2017, 91, 1199-1211.	4.2	25
52	Bioactivation to an aldehyde metabolite—Possible role in the onset of toxicity induced by the anti-HIV drug abacavir. Toxicology Letters, 2014, 224, 416-423.	0.8	23
53	DNA Adducts from Nitroreduction of 2,7-Dinitrofluorene, a Mammary Gland Carcinogen, Catalyzed by Rat Liver or Mammary Gland Cytosol. Chemical Research in Toxicology, 2002, 15, 536-544.	3.3	22
54	Synthesis and oxidation of 2-hydroxynevirapine, a metabolite of the HIV reverse transcriptase inhibitor nevirapine. Organic and Biomolecular Chemistry, 2011, 9, 7822.	2.8	22

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55	NKp30 ―A prospective target for new cancer immunotherapy strategies. British Journal of Pharmacology, 2020, 177, 4563-4580.	5.4	22
56	Bitumens and bitumen emissions, and some heterocyclic polycyclic aromatic hydrocarbons. Lancet Oncology, The, 2011, 12, 1190-1191.	10.7	21
57	Differences in nevirapine biotransformation as a factor for its sex-dependent dimorphic profile of adverse drug reactions. Journal of Antimicrobial Chemotherapy, 2014, 69, 476-482.	3.0	21
58	Unmasking efavirenz neurotoxicity: Time matters to the underlying mechanisms. European Journal of Pharmaceutical Sciences, 2017, 105, 47-54.	4.0	21
59	Formation of tamoxifen-DNA adducts in multiple organs of adult female cynomolgus monkeys dosed with tamoxifen for 30 days. Cancer Research, 2003, 63, 5999-6003.	0.9	21
60	Induction of lacl mutations in Big Blue rats treated with tamoxifen and α-hydroxytamoxifen. Cancer Letters, 2002, 176, 37-45.	7.2	20
61	Monitoring abacavir bioactivation in humans: Screening for an aldehyde metabolite. Toxicology Letters, 2013, 219, 59-64.	0.8	20
62	Mutations induced by alpha-hydroxytamoxifen in the lacl and cll genes of Big Blue transgenic rats. Carcinogenesis, 2002, 23, 1751-1758.	2.8	18
63	Analysis of tamoxifen–DNA adducts in endometrial explants by MS and 32P-postlabeling. Biochemical and Biophysical Research Communications, 2004, 320, 297-302.	2.1	17
64	<i>N</i> â€ŧerminal valine adduct from the antiâ€HIV drug abacavir in rat haemoglobin as evidence for abacavir metabolism to a reactive aldehyde <i>in vivo</i> . British Journal of Pharmacology, 2012, 167, 1353-1361.	5.4	17
65	Tetrahedral intermediates formed during acyl transfer. Reactions of acetyl cyanide. Journal of the Chemical Society Chemical Communications, 1985, , 1113.	2.0	16
66	32P-Postlabeling of N-(Deoxyguanosin-8-yl)arylamine Adducts:  A Comparative Study of Labeling Efficiencies. Chemical Research in Toxicology, 1999, 12, 661-669.	3.3	16
67	Synthesis, characterization and solution properties of ras sequences modified by arylamine carcinogens at the first base of codon 61. Chemical Research in Toxicology, 1990, 3, 559-565.	3.3	14
68	Synthesis, Crystal Structure, and Biological Evaluation of Fused Thiazolo[3,2-a]Pyrimidines as New Acetylcholinesterase Inhibitors. Molecules, 2019, 24, 2306.	3.8	14
69	The role of competitive binding to human serum albumin on efavirenz–warfarin interaction: a nuclear magnetic resonance study. International Journal of Antimicrobial Agents, 2013, 42, 443-446.	2.5	13
70	The phenolic metabolites of the anti-HIV drug efavirenz: Evidence forÂdistinct reactivities upon oxidation with Frémy's salt. European Journal of Medicinal Chemistry, 2014, 74, 7-11.	5.5	13
71	High resolution mass spectrometry-based methodologies for identification of Etravirine bioactivation to reactive metabolites: In vitro and in vivo approaches. European Journal of Pharmaceutical Sciences, 2018, 119, 70-82.	4.0	12
72	New Syntheses of DNA Adducts from Methylated Anilines Present in Tobacco Smoke. Chemical Research in Toxicology, 1999, 12, 1223-1233.	3.3	11

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73	Differentiation of isomeric C8-substituted alkylaniline adducts of guanine by electrospray ionization and tandem quadrupole ion trap mass spectrometry. Journal of the American Society for Mass Spectrometry, 2003, 14, 1488-1492.	2.8	11
74	Uracil and thiouracil complexes of dicyclopentadienyl molybdenum and tungsten: Preparation and electrochemistry. The structures of [M(η5-C5H5)2(2-SN2OC4H3)][PF6], [M(η5-C5H5)2{2-S(CH3)N2OC4H2}][PF6], [Mo(η5-C5H5)2 (4-SN2OC4H3)][PF6] and [Mo(η5-C5H5)2{4-S(CH3)N2OC4H2}][PF6] (M  Mo and W). Polyhedron, 1995, 14, 675-685.	2.2	10
75	DNA Adduct Formation in the Livers of Female Spragueâ `Dawley Rats Treated with Toremifene or α-Hydroxytoremifene. Chemical Research in Toxicology, 2007, 20, 300-310.	3.3	10
76	Nevirapine Biotransformation Insights: An Integrated In Vitro Approach Unveils the Biocompetence and Glutathiolomic Profile of a Human Hepatocyte-Like Cell 3D Model. International Journal of Molecular Sciences, 2020, 21, 3998.	4.1	10
77	Singularities of nevirapine metabolism: from sex-dependent differences to idiosyncratic toxicity. Drug Metabolism Reviews, 2019, 51, 76-90.	3.6	10
78	Development and validation of an HPLC-UV method for quantifying nevirapine and its main phase I metabolites in human blood. Analytical Methods, 2014, 6, 1575.	2.7	9
79	The first-line antiepileptic drug carbamazepine: Reaction with biologically relevant free radicals. Free Radical Biology and Medicine, 2018, 129, 559-568.	2.9	9
80	Synthesis and Investigation of α-Hydroxy-N,N-didesmethyltamoxifen as a Proximate Carcinogen in the Metabolic Activation of Tamoxifen. Chemical Research in Toxicology, 2003, 16, 1090-1098.	3.3	8
81	The effect of deuterium and fluorine substitution upon the mutagenicity of N-hydroxy-2,6-dimethylaniline. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2002, 506-507, 41-48.	1.0	7
82	Tamoxifenâ^'DNA Adduct Formation in Human Endometrium. Chemical Research in Toxicology, 2005, 18, 1507-1509.	3.3	7
83	Effect of N,N-didesmethyltamoxifen upon DNA adduct formation by tamoxifen and α-hydroxytamoxifen. Cancer Letters, 2007, 257, 191-198.	7.2	7
84	An ester derivative of the drug gabapentin: pH dependent crystal stability. Journal of Molecular Structure, 2010, 973, 173-179.	3.6	7
85	Oxidation of 2-Hydroxynevirapine, a Phenolic Metabolite of the Anti-HIV Drug Nevirapine: Evidence for an Unusual Pyridine Ring Contraction. Molecules, 2012, 17, 2616-2627.	3.8	7
86	Synthesis of catecholamine conjugates with nitrogen-centered bionucleophiles. Bioorganic Chemistry, 2012, 44, 19-24.	4.1	7
87	Efavirenz biotransformation as an up-stream event of mood changes in HIV-infected patients. Toxicology Letters, 2016, 260, 28-35.	0.8	7
88	Nevirapine modulation of paraoxonase-1 in the liver: An in vitro three-model approach. European Journal of Pharmaceutical Sciences, 2016, 82, 147-153.	4.0	7
89	Biomimetic oxidation of aromatic xenobiotics: synthesis of the phenolic metabolites from the anti-HIV drug efavirenz. Organic and Biomolecular Chemistry, 2012, 10, 4554.	2.8	6
90	2'-Deoxythymidine Adducts from the Anti-HIV Drug Nevirapine. Molecules, 2013, 18, 4955-4971.	3.8	6

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91	Targeting gliomas with triazene-based hybrids: Structure-activity relationship, mechanistic study and stability. European Journal of Medicinal Chemistry, 2019, 172, 16-25.	5.5	6
92	Acetaminophen Induces an Antioxidative Response in Lettuce Plants. Plants, 2021, 10, 1152.	3.5	6
93	Sex differences in hepatic and intestinal contributions to nevirapine biotransformation in rats. Chemico-Biological Interactions, 2015, 233, 115-121.	4.0	5
94	Antioxidative response of lettuce (Lactuca sativa) to carbamazepine-induced stress. Environmental Science and Pollution Research, 2021, 28, 45920-45932.	5.3	5
95	Quinoid derivatives of the nevirapine metabolites 2-hydroxy- and 3-hydroxy-nevirapine: activation pathway to amino acid adducts. Toxicology Research, 2015, 4, 1565-1577.	2.1	4
96	Carcinogenicity of isobutyl nitrite, β-picoline, and some acrylates. Lancet Oncology, The, 2018, 19, 1020-1022.	10.7	4
97	Covalent Histone Modification by an Electrophilic Derivative of the Anti-HIV Drug Nevirapine. Molecules, 2021, 26, 1349.	3.8	4
98	Molecular recognition of guanosine and 2-acetylaminofluorene-modified guanosine. A comparative study. Supramolecular Chemistry, 1995, 5, 243-253.	1.2	3
99	Effect of C–H…X interactions (X = O, S, π) in the supramolecular arrangements of 3-ferrocenyl-methoxybenzo[b]thiophene isomers. CrystEngComm, 2011, 13, 1638-1645.	2.6	3
100	Insights into the Role of Bioactivation Mechanisms in the Toxic Events Elicited by Non-nucleoside Reverse Transcriptase Inhibitors. Advances in Molecular Toxicology, 2012, 6, 1-39.	0.4	3
101	Effect of substituents in the molecular and supramolecular architectures of 1-ferrocenyl-2-(aryl)thioethanones. CrystEngComm, 2015, 17, 3089-3102.	2.6	3
102	Characterizing a tetrahedral intermediate in an acyl transfer reaction: An undergraduate 1H NMR demonstration. Journal of Chemical Education, 1987, 64, 725.	2.3	2
103	Sex differences in apolipoprotein A1 and nevirapine-induced toxicity. Journal of the International AIDS Society, 2014, 17, 19575.	3.0	2
104	One-dimensional multiple quantum filtration1H NMR spectra of a 15-mer DNA Duplex modified by the carcinogen 4-aminobiphenyl. Magnetic Resonance in Chemistry, 1993, 31, 1008-1010.	1.9	1
105	Molecular Recognition of Acetylaminofluorene-and Aminofluorene-modified Guanosine. Supramolecular Chemistry, 2000, 11, 201-215.	1.2	1
106	Anti-histone antibodies in HIV-infected patients on Nevirapine-containing ANTIRETROVIRAL THERAPY. Clinical Therapeutics, 2015, 37, e142.	2.5	1
107	Pharmacometabolomics in Drug Discovery and Development. , 2021, , 480-500.		1
108	The 2-hydroxy-nevirapine metabolite as a candidate for boosting apolipoprotein A1 and for modulating anti-HDL antibodies. Pharmacological Research, 2021, 165, 105446.	7.1	1

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109	A New Bi-Functional Receptor for Acetylamino- Fluorene Modified Guanosine. , 1998, , 487-490.		1
110	Protein adduct formation: A possible factor in hypersensitivity reactions induced by the anti HIV drug abacavir. Toxicology Letters, 2010, 196, S110.	0.8	0
111	Thiol status in HIV-infected patients: The effect of nevirapine metabolism. Toxicology Letters, 2014, 229, S95.	0.8	0
112	An animal model to explore efavirenz toxicokinetics and its relation to neurological phenotype. Toxicology Letters, 2014, 229, S244.	0.8	0
113	Sex differences in hepatic and intestinal contributions for nevirapine biotransformation. Toxicology Letters, 2014, 229, S240-S241.	0.8	0
114	First in vitro evidence for a catechol metabolite from the anti-HIV drug efavirenz – A plausible role in toxicity. Toxicology Letters, 2015, 238, S360.	0.8	0
115	Toxic events induced by the antiepileptic drug carbamazepine: Is bioactivation really involved?. Toxicology Letters, 2017, 280, S241.	0.8	0
116	1st Spring Virtual Meeting on Medicinal Chemistry. Chemistry Proceedings, 2021, 4, 1.	0.1	0
117	Synthesis and characterization of 2-arylidene derivatives of thiazolopyrimidines with potential biological activity .,0,,.		0
118	Effects of Metformin on Antioxidative Response of Lactuca sativa Plants. Biology and Life Sciences Forum, 2020, 4, .	0.6	0