

Nigel J Gooderham

List of Publications by Year in descending order

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84
papers

2,330
citations

201674

27
h-index

233421

45
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95
all docs

95
docs citations

95
times ranked

3112
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic surgery and cancer. <i>Cancer</i> , 2011, 117, 1788-1799.	4.1	134
2	Quantification of the carcinogens 2-amino-3,8-dimethyl- and 2-amino-3,4,8-trimethylimidazo[4,5-f]quinoxaline and 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine in food using a combined assay based on gas chromatography-negative ion mass spectrometry. <i>Biomedical Applications</i> , 1993, 616, 211-219.	1.7	111
3	Early events in the mammalian response to DNA double-strand breaks. <i>Mutagenesis</i> , 2008, 23, 331-339.	2.6	105
4	Identification of Human Urinary Biomarkers of Cruciferous Vegetable Consumption by Metabonomic Profiling. <i>Journal of Proteome Research</i> , 2011, 10, 4513-4521.	3.7	104
5	Expression of cyclooxygenase-2 parallels expression of interleukin-1beta, interleukin-6 and NF-kappaB in human colorectal cancer. <i>Carcinogenesis</i> , 2003, 24, 665-671.	2.8	103
6	In silico and in vitro evaluation of exonic and intronic off-target effects form a critical element of therapeutic ASO gapmer optimization. <i>Nucleic Acids Research</i> , 2015, 43, 8638-8650.	14.5	91
7	Diet-induced metabolic changes of the human gut microbiome: importance of short-chain fatty acids, methylamines and indoles. <i>Acta Diabetologica</i> , 2019, 56, 493-500.	2.5	85
8	The cooked food derived carcinogen 2-amino-1-methyl-6-phenylimidazo[4,5-b] pyridine is a potent oestrogen: a mechanistic basis for its tissue-specific carcinogenicity. <i>Carcinogenesis</i> , 2004, 25, 2509-2517.	2.8	80
9	ACCELERATED PAPER: Mutational spectra of the dietary carcinogen 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) at the Chinese hamster hprt locus. <i>Carcinogenesis</i> , 1996, 17, 617-624.	2.8	72
10	Molecular and genetic toxicology of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP). <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2002, 506-507, 91-99.	1.0	64
11	Elevated serum microRNA 483-5p levels may predict patients at risk of post-operative atrial fibrillation. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 51, 73-78.	1.4	61
12	In vitro genotoxicity of the West African anti-malarial herbal <i>Cryptolepis sanguinolenta</i> and its major alkaloid cryptolepine. <i>Toxicology</i> , 2005, 208, 141-147.	4.2	56
13	Hepatic MicroRNA Profiles Offer Predictive and Mechanistic Insights After Exposure to Genotoxic and Epigenetic Hepatocarcinogens. <i>Toxicological Sciences</i> , 2012, 128, 532-543.	3.1	53
14	Rapid Biomonitoring of Heterocyclic Aromatic Amines in Human Urine by Tandem Solvent Solid Phase Extraction Liquid Chromatography Electrospray Ionization Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 2004, 17, 1121-1136.	3.3	52
15	N-Hydroxy-MeIQx is the major microsomal oxidation product of the dietary carcinogen MeIQx with human liver. <i>Carcinogenesis</i> , 1992, 13, 2221-2226.	2.8	51
16	IL6 Mediates Immune and Colorectal Cancer Cell Cross-talk via miR-21 and miR-29b. <i>Molecular Cancer Research</i> , 2015, 13, 1502-1508.	3.4	50
17	S-Methyl-cysteine sulphoxide: the Cinderella phytochemical?. <i>Toxicology Research</i> , 2013, 2, 11-22.	2.1	47
18	Strategies for In Vivo Screening and Mitigation of Hepatotoxicity Associated with Antisense Drugs. <i>Molecular Therapy - Nucleic Acids</i> , 2017, 8, 383-394.	5.1	37

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19	Infection by HIV is blocked by binding of dextrin sulphate to the cell surface of activated human peripheral blood mononuclear cells and cultured cells. <i>British Journal of Pharmacology</i> , 1994, 113, 151-158.	5.4	35
20	Induction of xanthine oxidase and depression of cytochrome P-450 by interferon inducers: Genetic difference in the responses of mice. <i>Biochemical and Biophysical Research Communications</i> , 1985, 131, 109-114.	2.1	34
21	Updated procedure for the safety evaluation of natural flavor complexes used as ingredients in food. <i>Food and Chemical Toxicology</i> , 2018, 113, 171-178.	3.6	34
22	FEMA GRAS assessment of natural flavor complexes: Citrus-derived flavoring ingredients. <i>Food and Chemical Toxicology</i> , 2019, 124, 192-218.	3.6	34
23	Mechanistic evidence that benzo[a]pyrene promotes an inflammatory microenvironment that drives the metastatic potential of human mammary cells. <i>Archives of Toxicology</i> , 2018, 92, 3223-3239.	4.2	32
24	The safety evaluation of food flavoring substances: the role of genotoxicity studies. <i>Critical Reviews in Toxicology</i> , 2020, 50, 1-27.	3.9	32
25	The mutagenicity of benzo[a]pyrene in mouse small intestine. <i>Carcinogenesis</i> , 1999, 20, 109-114.	2.8	31
26	The Cooked Meat-Derived Genotoxic Carcinogen 2-Amino-3-Methylimidazo[4,5-b]Pyridine Has Potent Hormone-Like Activity: Mechanistic Support for a Role in Breast Cancer. <i>Cancer Research</i> , 2007, 67, 9597-9602.	0.9	31
27	Depression of cytochrome P-450 and alterations of protein metabolism in mice treated with the interferon inducer polyribinosinic acid · polyribocytidylic acid. <i>Archives of Biochemistry and Biophysics</i> , 1986, 250, 418-425.	3.0	28
28	Time and dose-dependent effects of phenobarbital on the rat liver miRNAome. <i>Toxicology</i> , 2013, 314, 247-253.	4.2	27
29	The safety evaluation of food flavouring substances: the role of metabolic studies. <i>Toxicology Research</i> , 2018, 7, 618-646.	2.1	27
30	The Cooked Meat Carcinogen 2-Amino-1-Methyl-6-Phenylimidazo[4,5-b]Pyridine Activates the Extracellular Signal-Regulated Kinase Mitogen-Activated Protein Kinase Pathway. <i>Cancer Research</i> , 2007, 67, 11455-11462.	0.9	26
31	The cooked meat-derived mammary carcinogen 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine promotes invasive behaviour of breast cancer cells. <i>Toxicology</i> , 2011, 279, 139-145.	4.2	26
32	Post-operative atrial fibrillation is associated with a pre-existing structural and electrical substrate in human right atrial myocardium. <i>International Journal of Cardiology</i> , 2016, 220, 580-588.	1.7	25
33	Improved physiology and metabolic flux after Roux-en-Y gastric bypass is associated with temporal changes in the circulating miRNAome: a longitudinal study in humans. <i>BMC Obesity</i> , 2018, 5, 20.	3.1	23
34	Mass spectrometric detection and measurement of N2-(2-deoxyguanosin-8-yl)PhIP adducts in DNA. <i>Biomedical Applications</i> , 2000, 744, 55-64.	1.7	21
35	Synergistic and Antagonistic Mutation Responses of Human MCL-5 Cells to Mixtures of Benzo[a]pyrene and 2-Amino-1-Methyl-6-Phenylimidazo[4,5-b]pyridine: Dose-Related Variation in the Joint Effects of Common Dietary Carcinogens. <i>Environmental Health Perspectives</i> , 2016, 124, 88-96.	6.0	21
36	microRNA Expression in Women With and Without Polycystic Ovarian Syndrome Matched for Body Mass Index. <i>Frontiers in Endocrinology</i> , 2020, 11, 206.	3.5	21

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37	GRASr2 Evaluation of Aliphatic Acyclic and Alicyclic Terpenoid Tertiary Alcohols and Structurally Related Substances Used as Flavoring Ingredients. <i>Journal of Food Science</i> , 2014, 79, R428-41.	3.1	19
38	The selective cytotoxicity of the alkenyl glucosinolate hydrolysis products and their presence in Brassica vegetables.. <i>Toxicology</i> , 2015, 334, 59-71.	4.2	19
39	Are Differences in MicroRNA Regulation Implicated in Species-Dependent Response to Toxicological Exposures?. <i>Toxicological Sciences</i> , 2013, 131, 337-342.	3.1	18
40	Pre-operative serum VCAM-1 as a biomarker of atrial fibrillation after coronary artery bypass grafting. <i>Journal of Cardiothoracic Surgery</i> , 2017, 12, 70.	1.1	18
41	Improved Preparation of $\hat{\pm}$,N-Diphenylnitrones andN-Benzyl-N-Phenylhydroxylamines by direct Oxidation of Secondary Anilines. <i>Archiv Der Pharmazie</i> , 1986, 319, 261-265.	4.1	17
42	Safety evaluation of substituted thiophenes used as flavoring ingredients. <i>Food and Chemical Toxicology</i> , 2017, 99, 40-59.	3.6	17
43	Phytoalexin resveratrol attenuates the mutagenicity of the heterocyclic amines 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine and 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 802, 217-223.	2.3	15
44	Neoplastic transformation of human lung fibroblast MRC-5 SV2 cells induced by benzo[a]pyrene and confluence culture. <i>Cancer Research</i> , 2002, 62, 4605-9.	0.9	15
45	Responses of genes involved in cell cycle control to diverse DNA damaging chemicals in human lung adenocarcinoma A549 cells. <i>Cancer Cell International</i> , 2005, 5, 28.	4.1	14
46	Ethanol potentiates the genotoxicity of the food-derived mammary carcinogen PhIP in human estrogen receptor-positive mammary cells: mechanistic support for lifestyle factors (cooked red meat and) <i>Tj ETQq0 0 0 rgBT4/0verlock 140 Tf 50 3</i>	4.0	14
47	Increased MicroRNA Levels in Women With Polycystic Ovarian Syndrome but Without Insulin Resistance: A Pilot Prospective Study. <i>Frontiers in Endocrinology</i> , 2020, 11, 571357.	3.5	14
48	DNA damage responses after exposure to DNA-based products. <i>Journal of Gene Medicine</i> , 2006, 8, 175-185.	2.8	12
49	Effects of treatment with androgen receptor ligands on microRNA expression of prostate cancer cells. <i>Toxicology</i> , 2015, 333, 45-52.	4.2	12
50	Tumour necrosis factor- $\hat{\pm}$ (TNF- $\hat{\pm}$) enhances dietary carcinogen-induced DNA damage in colorectal cancer epithelial cells through activation of JNK signaling pathway. <i>Toxicology</i> , 2021, 457, 152806.	4.2	12
51	FEMA GRAS assessment of natural flavor complexes: Eucalyptus oil and other cyclic ether-containing flavoring ingredients. <i>Food and Chemical Toxicology</i> , 2021, 155, 112357.	3.6	12
52	Dose-dependent synergistic and antagonistic mutation responses of binary mixtures of the environmental carcinogen benzo[a]pyrene with food-derived carcinogens. <i>Archives of Toxicology</i> , 2018, 92, 3459-3469.	4.2	11
53	Aspartame Sensitivity? A Double Blind Randomised Crossover Study. <i>PLoS ONE</i> , 2015, 10, e0116212.	2.5	11
54	Interleukin-6 selectively induces drug metabolism to potentiate the genotoxicity of dietary carcinogens in mammary cells. <i>Archives of Toxicology</i> , 2019, 93, 3005-3020.	4.2	10

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55	FEMA expert panel review of p-mentha-1,8-dien-7-al genotoxicity testing results. <i>Food and Chemical Toxicology</i> , 2016, 98, 201-209.	3.6	9
56	Interleukin-6 promotes dietary carcinogen-induced DNA damage in colorectal cancer cells. <i>Toxicology Research</i> , 2015, 4, 858-866.	2.1	8
57	Bariatric Surgery Modulates Urinary Levels of MicroRNAs Involved in the Regulation of Renal Function. <i>Frontiers in Endocrinology</i> , 2019, 10, 319.	3.5	8
58	A molecular beacon approach to detecting RAD52 expression in response to DNA damage in human cells. <i>Toxicology in Vitro</i> , 2010, 24, 652-660.	2.4	7
59	Re-evaluation of the Mutagenic Response to Phosphorothioate Nucleotides in Human Lymphoblastoid TK6 Cells. <i>Toxicological Sciences</i> , 2015, 145, 169-176.	3.1	7
60	Mutagenesis by an Antisense Oligonucleotide and Its Degradation Product. <i>Toxicological Sciences</i> , 2012, 130, 319-327.	3.1	6
61	The mutagenic effects of 2-amino-1-methyl-6-phenylimidazo[4,5-b] pyridine in Mutaâ„¢ Mouse colon is attenuated by resveratrol. <i>Toxicology Research</i> , 2014, 3, 197.	2.1	6
62	The cellular toxicology of mitragynine, the dominant alkaloid of the narcotic-like herb, <i>Mitragyna speciosa</i> Korth. <i>Toxicology Research</i> , 2015, 4, 1173-1183.	2.1	6
63	FEMA GRAS assessment of natural flavor complexes: Origanum oil, thyme oil and related phenol derivative-containing flavoring ingredients. <i>Food and Chemical Toxicology</i> , 2021, 155, 112378.	3.6	6
64	Evaluating the genetic toxicology of DNA-based products using existing genetic toxicology assays. <i>Mutagenesis</i> , 2003, 18, 259-264.	2.6	5
65	Using 3D MCF-7 mammary spheroids to assess the genotoxicity of mixtures of the food-derived carcinogens benzo[a]pyrene and 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine. <i>Toxicology Research</i> , 2016, 5, 312-317.	2.1	5
66	A triple-helix forming oligonucleotide targeting genomic DNA fails to induce mutation. <i>Mutagenesis</i> , 2012, 27, 713-719.	2.6	4
67	2â€²-O-(2-Methoxyethyl) Nucleosides Are Not Phosphorylated or Incorporated Into the Genome of Human Lymphoblastoid TK6 Cells. <i>Toxicological Sciences</i> , 2018, 163, 70-78.	3.1	4
68	Cryptolepine Provokes Changes in the Expression of Cell Cycle Proteins in Growing Cells. <i>American Journal of Pharmacology and Toxicology</i> , 2009, 4, 177-185.	0.7	3
69	Activation of the food carcinogen 2-amino-3,8-dimethylimidazo[4,5-f]quinoxaline by hepatocytes. <i>Biochemical Society Transactions</i> , 1989, 17, 734-735.	3.4	2
70	Inflammatory cells from the rat pleural cavity can activate the food-derived carcinogen MeIQx. <i>Biochemical Society Transactions</i> , 1990, 18, 611-612.	3.4	2
71	The Lack of Mutagenic Potential of a Guanine-Rich Triplex Forming Oligonucleotide in Physiological Conditions. <i>Toxicological Sciences</i> , 2017, 155, 101-111.	3.1	2
72	Human neutrophils can activate the food-derived carcinogen MeIQx. <i>Biochemical Society Transactions</i> , 1990, 18, 610-611.	3.4	1

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73	Mechanisms of action of carcinogenic heterocyclic amines. <i>Toxicology Letters</i> , 2006, 164, S61-S62.	0.8	1
74	Improved hepatic physiology in hepatic cytochrome P450 reductase null (HRN ^Δ , ^ϕ) mice dosed orally with fenclozic acid. <i>Toxicology Research</i> , 2017, 6, 81-88.	2.1	1
75	Effects of polyriboinosinic acid polyribocytidylic acid administration on mouse hepatic flavin containing mono-oxygenase activity. <i>Biochemical Society Transactions</i> , 1988, 16, 630-631.	3.4	0
76	Polyriboinosinic acid polyribocytidylic acid depresses mouse extrahepatic cytochrome <i>P</i> -450 systems and alleviates chloroform nephrotoxicity. <i>Biochemical Society Transactions</i> , 1988, 16, 631-632.	3.4	0
77	Hepatotoxicity of carbon tetrachloride: protection by pretreatment of mice with polyriboinosinic acid polyribocytidylic acid. <i>Biochemical Society Transactions</i> , 1988, 16, 632-633.	3.4	0
78	3,8-Dimethyl-2-nitro-imidazo[4,5- <i>f</i>]quinoxaline(Nitro-MeIQx) is a potent direct-acting mutagen. <i>Biochemical Society Transactions</i> , 1989, 17, 540-541.	3.4	0
79	Effect of interferon inducers on carbon tetrachloride toxicity in congenic strains of mice. <i>Biochemical Society Transactions</i> , 1989, 17, 733-734.	3.4	0
80	The role of CYP1A enzymes in murine activation of the cooked food carcinogen 2-amino-1-methyl-6-phenylimidazo[4,5- <i>b</i>]pyridine. <i>Biochemical Society Transactions</i> , 1994, 22, 128S-128S.	3.4	0
81	Analysis of the N-(deoxyguanosin-8-yl) adduct of the food derived carcinogen PhIP using capillary electrophoresis. <i>Biochemical Society Transactions</i> , 1997, 25, 27S-27S.	3.4	0
82	Novel methods for detecting double DNA strand breaks. <i>Toxicology Letters</i> , 2006, 164, S263.	0.8	0
83	A molecular beacon to detect transcription of RAD52 in response to DNA double strand breaks. <i>Toxicology</i> , 2007, 240, 176-177.	4.2	0
84	Toxicology Research New Talents themed issue. <i>Toxicology Research</i> , 2015, 4, 540-540.	2.1	0