Peter P Fu

List of Publications by Year
in descending order

259 papers	11,522 citations	36303 51 h-index	38395 95 g-index
263 all docs	263 docs citations	263 times ranked	10487 citing authors

#	Article	IF	Citations
1	Mechanisms of nanotoxicity: Generation of reactive oxygen species. Journal of Food and Drug Analysis, 2014, 22, 64-75.	1.9	1,061
2	Toxicity and Environmental Risks of Nanomaterials: Challenges and Future Needs. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2009, 27, 1-35.	2.9	593
3	Pyrrolizidine Alkaloidsâ€"Genotoxicity, Metabolism Enzymes, Metabolic Activation, and Mechanisms. Drug Metabolism Reviews, 2004, 36, 1-55.	3.6	511
4	The scavenging of reactive oxygen species and the potential for cell protection by functionalized fullerene materials. Biomaterials, 2009, 30, 611-621.	11.4	388
5	Dehydrogenation of polycyclic hydroaromatic compounds. Chemical Reviews, 1978, 78, 317-361.	47.7	296
6	Photomutagenicity of 16 polycyclic aromatic hydrocarbons from the US EPA priority pollutant list. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 557, 99-108.	1.7	293
7	Ginkgo BilobaLeave Extract: Biological, Medicinal, and Toxicological Effects. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2007, 25, 211-244.	2.9	239
8	Phototoxicity of nano titanium dioxides in HaCaT keratinocytesâ€"Generation of reactive oxygen species and cell damage. Toxicology and Applied Pharmacology, 2012, 263, 81-88.	2.8	205
9	Metabolism of Nitro-Polycyclic Aromatic Hydrocarbons. Drug Metabolism Reviews, 1990, 22, 209-268.	3.6	196
10	Degradation of Benzo[a]pyrene by Mycobacterium vanbaalenii PYR-1. Applied and Environmental Microbiology, 2004, 70, 340-345.	3.1	179
11	Phototoxicity and Environmental Transformation of Polycyclic Aromatic Hydrocarbons (PAHs)â€"Light-Induced Reactive Oxygen Species, Lipid Peroxidation, and DNA Damage. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2012, 30, 1-41.	2.9	179
12	Genotoxicity of pyrrolizidine alkaloids. Journal of Applied Toxicology, 2010, 30, 183-196.	2.8	156
13	Theranostic nanomedicine for cancer detection and treatment. Journal of Food and Drug Analysis, 2014, 22, 3-17.	1.9	138
14	Metabolic Activation of Pyrrolizidine Alkaloids: Insights into the Structural and Enzymatic Basis. Chemical Research in Toxicology, 2014, 27, 1030-1039.	3.3	133
15	Langerhans Cells Facilitate Epithelial DNA Damage and Squamous Cell Carcinoma. Science, 2012, 335, 104-108.	12.6	132
16	Inhibition of Tumor Growth by Endohedral Metallofullerenol Nanoparticles Optimized as Reactive Oxygen Species Scavenger. Molecular Pharmacology, 2008, 74, 1132-1140.	2.3	117
17	Metabolic Activation of the Tumorigenic Pyrrolizidine Alkaloid, Riddelliine, Leading to DNA Adduct Formation in Vivo. Chemical Research in Toxicology, 2001, 14, 101-109.	3.3	105
18	The orientation of the nitro substituent predicts the direct-acting bacterial mutagenicity of nitrated polycyclic aromatic hydrocarbons. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1985, 143, 173-181.	1.1	104

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19	Toxicity of engineered metal oxide nanomaterials mediated by nanoâ€“bioâ€“ecoâ€“interactions: a review and perspective. Environmental Science: Nano, 2015, 2, 564-582.	4.3	103
20	High-Performance Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry for the Detection and Quantitation of Benzo[a]pyreneâ^'DNA Adducts. Chemical Research in Toxicology, 2005, 18, 1306-1315.	3.3	99
21	Hepatotoxicity and Tumorigenicity Induced by Metabolic Activation of Pyrrolizidine Alkaloids in Herbs. Current Drug Metabolism, 2011, 12, 823-834.	1.2	99
22	Platinum Nanoparticles: Efficient and Stable Catechol Oxidase Mimetics. ACS Applied Materials & Interfaces, 2015, 7, 19709-19717.	8.0	98
23	Riddelliine N-oxide is a phytochemical and mammalian metabolite with genotoxic activity that is comparable to the parent pyrrolizidine alkaloid riddelliine. Toxicology Letters, 2003, 145, 239-247.	0.8	93
24	Human liver microsomal reduction of pyrrolizidine alkaloid N-oxides to form the corresponding carcinogenic parent alkaloid. Toxicology Letters, 2005, 155, 411-420.	0.8	89
25	Nitro group orientation, reduction potential, and direct-acting mutagenicity of nitro-polycyclic aromatic hydrocarbons. Environmental and Molecular Mutagenesis, 1991, 17, 169-180.	2.2	85
26	Pyrrolizidine Alkaloid-Derived DNA Adducts as a Common Biological Biomarker of Pyrrolizidine Alkaloid-Induced Tumorigenicity. Chemical Research in Toxicology, 2013, 26, 1384-1396.	3.3	83
27	Human Liver Microsomal Metabolism and DNA Adduct Formation of the Tumorigenic Pyrrolizidine Alkaloid, Riddelliine. Chemical Research in Toxicology, 2003, 16, 66-73.	3.3	76
28	Pyrrolizidine Alkaloids: Metabolic Activation Pathways Leading to Liver Tumor Initiation. Chemical Research in Toxicology, 2017, 30, 81-93.	3.3	74
29	Photoirradiation of Polycyclic Aromatic Hydrocarbons with UVA Light â€“ A Pathway Leading to the Generation of Reactive Oxygen Species, Lipid Peroxidation, and DNA Damage. International Journal of Environmental Research and Public Health, 2006, 3, 348-354.	2.6	73
30	Highly sensitive chemiluminescence immunoassay for benzo[a]pyrene-DNA adducts: validation by comparison with other methods, and use in human biomonitoring. Carcinogenesis, 2002, 23, 2043-2049.	2.8	72
31	Toxicity of Kava Kava. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2008, 26, 89-112.	2.9	70
32	UVA photoirradiation of retinyl palmitateâ€"Formation of singlet oxygen and superoxide, and their role in induction of lipid peroxidation. Toxicology Letters, 2006, 163, 30-43.	0.8	69
33	Stereoselective formation of a K-region dihydrodiol from phenanthrene by Streptomyces flavovirens. Archives of Microbiology, 1990, 154, 260-266.	2.2	68
34	Regioselective catalytic hydrogenation of polycyclic aromatic hydrocarbons under mild conditions. Journal of Organic Chemistry, 1980, 45, 2797-2803.	3.2	67
35	Genotoxic Pyrrolizidine Alkaloids â€" Mechanisms Leading to DNA Adduct Formation and Tumorigenicity. International Journal of Molecular Sciences, 2002, 3, 948-964.	4.1	65
36	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. Chemical Research in Toxicology, 2010, 23, 637-652.	3.3	65

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37	Identification of C8-modified deoxyinosine and N2-and C8-modified deoxyguanosine as major products of the in vitro reaction of N-hydroxy-6-aminochrysene with DNA and the formation of these adducts in isolated rat hepatocytes treated with 6-nitrochrysene and 6-aminochrysene. Carcinogenesis, 1987, 8, 1703-1709.	2.8	63
38	Metabolic activation of the tumorigenic pyrrolizidine alkaloid, monocrotaline, leading to DNA adduct formation in vivo. Cancer Letters, 2005, 226, 27-35.	7.2	63
39	Cytotoxicity of organic surface coating agents used for nanoparticles synthesis and stability. Toxicology in Vitro, 2015, 29, 762-768.	2.4	62
40	Cytotoxicity of pyrrolizidine alkaloid in human hepatic parenchymal and sinusoidal endothelial cells: Firm evidence for the reactive metabolites mediated pyrrolizidine alkaloid-induced hepatotoxicity. Chemico-Biological Interactions, 2016, 243, 119-126.	4.0	62
41	Tumor-initiating ability of the twelve monomethylbenz[a]-anthracenes. Carcinogenesis, 1982, 3, 215-217.	2.8	60
42	Photodecomposition of Retinyl Palmitate in Ethanol by UVA LightFormation of Photodecomposition Products, Reactive Oxygen Species, and Lipid Peroxidesâ€. Chemical Research in Toxicology, 2005, 18, 129-138.	3.3	59
43	Photodecomposition and Phototoxicity of Natural Retinoids. International Journal of Environmental Research and Public Health, 2005, 2, 147-155.	2.6	58
44	A new approach for simultaneous screening and quantification of toxic pyrrolizidine alkaloids in some potential pyrrolizidine alkaloid-containing plants by using ultra performance liquid chromatographyâ€“tandem quadrupole mass spectrometry. Analytica Chimica Acta, 2010, 681, 33-40.	5.4	58
45	Identification of five hepatotoxic pyrrolizidine alkaloids in a commonly used traditional Chinese medicinal herb, Herba Senecionis scandentis (Qianliguang). Rapid Communications in Mass Spectrometry, 2008, 22, 591-602.	1.5	57
46	Synthesis and32P-Postlabeling/High-Performance Liquid Chromatography Separation of Diastereomeric 1,N2-(1,3-Propano)-2â€˜-deoxyguanosine 3â€˜-Phosphate Adducts Formed from 4-Hydroxy-2-nonenal. Chemical Research in Toxicology, 1997, 10, 1259-1265.	3.3	56
47	Dual Role of Selected Antioxidants Found in Dietary Supplements: Crossover between Anti- and Pro-Oxidant Activities in the Presence of Copper. Journal of Agricultural and Food Chemistry, 2012, 60, 2554-2561.	5.2	56
48	Phototoxicity of Zinc Oxide Nanoparticles in HaCaT Keratinocytes-Generation of Oxidative DNA Damage During UVA and Visible Light Irradiation. Journal of Nanoscience and Nanotechnology, 2013, 13, 3880-3888.	0.9	56
49	Metabolism of nitropolycyclic aromatic hydrocarbons by human intestinal microflora. Biochemical and Biophysical Research Communications, 1984, 123, 262-270.	2.1	55
50	Quality Assurance and Safety of Herbal Dietary Supplements. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2009, 27, 91-119.	2.9	55
51	Nanoscale ZnO Induces Cytotoxicity and DNA Damage in Human Cell Lines and Rat Primary Neuronal Cells. Journal of Nanoscience and Nanotechnology, 2012, 12, 2126-2135.	0.9	55
52	Multiple metabolic pathways for the mutagenic activation of 3-nitrobenzo[a]pyrene. Carcinogenesis, 1985, 6, 1235-1238.	2.8	54
53	Pyrrole-protein adducts â€“ A biomarker of pyrrolizidine alkaloid-induced hepatotoxicity. Journal of Food and Drug Analysis, 2018, 26, 965-972.	1.9	54
54	Full Structure Assignments of Pyrrolizidine Alkaloid DNA Adducts and Mechanism of Tumor Initiation. Chemical Research in Toxicology, 2012, 25, 1985-1996.	3.3	53

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55	Photo-irradiation of Aloe vera by UVAâ€"Formation of free radicals, singlet oxygen, superoxide, and induction of lipid peroxidationâ˜†. Toxicology Letters, 2007, 168, 165-175.	0.8	51
56	Molecular orbital theoretical prediction of the isomeric products formed from reactions of arene oxides and related metabolites of polycyclic aromatic hydrocarbons. Tetrahedron, 1978, 34, 857-866.	1.9	50
57	Development of a 32P-Postlabeling/HPLC Method for Detection of Dehydroretronecine-Derived DNA Adducts in Vivo and in Vitro. Chemical Research in Toxicology, 2001, 14, 91-100.	3.3	50
58	Photodecomposition of Vitamin A and Photobiological Implications for the Skinâ€. Photochemistry and Photobiology, 2007, 83, 409-424.	2.5	50
59	7-Glutathione Pyrrole Adduct: A Potential DNA Reactive Metabolite of Pyrrolizidine Alkaloids. Chemical Research in Toxicology, 2015, 28, 615-620.	3.3	50
60	Cyclopenta-polycyclic aromatic hydrocarbons: Potential carcinogens and mutagens. Carcinogenesis, 1980, 1, 725-727.	2.8	49
61	Analysis of gene expression changes of drug metabolizing enzymes in the livers of F344 rats following oral treatment with kava extract. Food and Chemical Toxicology, 2009, 47, 433-442.	3.6	49
62	Nitroâ€polycyclic aromatic hydrocarbons: A class of genotoxic environmental pollutants. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 1999, 17, 1-43.	2.9	48
63	Metabolic Formation of DHP-Derived DNA Adducts from a Representative Otonecine Type Pyrrolizidine Alkaloid Clivorine and the Extract ofLigularia hodgsonniiHook. Chemical Research in Toxicology, 2004, 17, 702-708.	3.3	48
64	Formation of DHP-derived DNA adducts from metabolic activation of the prototype heliotridine-type pyrrolizidine alkaloid, lasiocarpine. Cancer Letters, 2006, 231, 138-145.	7.2	48
65	Photomutagenicity of cosmetic ingredient chemicals azulene and guaiazulene. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2003, 530, 19-26.	1.0	46
66	Identification of DNA Adducts Derived from Riddelliine, a Carcinogenic Pyrrolizidine Alkaloid. Chemical Research in Toxicology, 2003, 16, 1130-1137.	3.3	46
67	UVA Light-Induced DNA Cleavage by Isomeric Methylbenz[a]anthracenes. Chemical Research in Toxicology, 2002, 15, 400-407.	3.3	44
68	Correlation of DNA adduct formation and riddelliine-induced liver tumorigenesis in F344 rats and B6C3F1 mice. Cancer Letters, 2003, 193, 119-125.	7.2	44
69	Characteristic ion clusters as determinants for the identification of pyrrolizidine alkaloid Nâ€oxides in pyrrolizidine alkaloidâ€"containing natural products using HPLCâ€"MS analysis. Journal of Mass Spectrometry, 2012, 47, 331-337.	1.6	43
70	The long persistence of pyrrolizidine alkaloid-derived DNA adducts in vivo: kinetic study following single and multiple exposures in male ICR mice. Archives of Toxicology, 2017, 91, 949-965.	4.2	43
71	Halogenatedâ€polycyclic aromatic hydrocarbons: A class of Genotoxic environmental pollutants. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 1999, 17, 71-109.	2.9	42
72	Formation of DHP-derived DNA adducts in vivo from dietary supplements and Chinese herbal plant extracts containing carcinogenic pyrrolizidine alkaloids. Toxicology and Industrial Health, 2006, 22, 321-327.	1.4	42

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73	Ginkgo Biloba Extract Induces Gene Expression Changes in Xenobiotics Metabolism and the Myc-Centered Network. OMICS A Journal of Integrative Biology, 2010, 14, 75-90.	2.0	42
74	Direct resolution of mono- and diol enantiomers of unsubstituted and methyl-substituted benz[a]anthracene and benzo[a]pyrene by high-performance liquid chromatography with a chiral stationary phase. Journal of Chromatography A, 1984, 316, 569-584.	3.7	41
75	Effect of the nitro group conformation on the rat liver microsomal metabolism and bacterial mutagenicity of 2- and 9-nitroanthracene. Carcinogenesis, 1986, 7, 1819-1827.	2.8	41
76	Metabolism of l-nitrobenzo[a]pyrene by rat liver microsomes to potent mutagenic metabolites. Carcinogenesis, 1986, 7, 1837-1844.	2.8	41
77	Biotransformation of Mirtazapine byCunninghamella Elegans. Drug Metabolism and Disposition, 2002, 30, 1274-1279.	3.3	41
78	Metabolic Activation of the Tumorigenic Pyrrolizidine Alkaloid, Retrorsine, Leading to DNA Adduct Formation In Vivo. International Journal of Environmental Research and Public Health, 2005, 2, 74-79.	2.6	41
79	Stereochemistry of 9,10-dialkyl-9,10-dihydroanthracene and 9-alkyl-10-lithio-9,10-dihydroanthracene. Journal of the American Chemical Society, 1975, 97, 1145-1153.	13.7	40
80	Tu-San-Qi (Gynura japonica): the culprit behind pyrrolizidine alkaloid-induced liver injury in China. Acta Pharmacologica Sinica, 2021, 42, 1212-1222.	6.1	40
81	Pyrrolizidine Alkaloid-Protein Adducts: Potential Non-invasive Biomarkers of Pyrrolizidine Alkaloid-Induced Liver Toxicity and Exposure. Chemical Research in Toxicology, 2016, 29, 1282-1292.	3.3	39
82	Stereoselective metabolism of 6-bromobenzo[a]pyrene by rat liver microsomes: Absolute configuration of trans-dihydrodiol metabolites. Biochemical and Biophysical Research Communications, 1982, 109, 927-934.	2.1	38
83	Phototoxicity and DNA damage induced by the cosmetic ingredient chemical azulene in human Jurkat T-cells. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2004, 562, 143-150.	1.7	38
84	Regio- and Stereoselective Metabolism of 7,12-Dimethylbenz[a]anthracene by Mycobacterium vanbaalenii PYR-1. Applied and Environmental Microbiology, 2003, 69, 3924-3931.	3.1	37
85	Photoirradiation of dehydropyrrolizidine alkaloidsâ€"Formation of reactive oxygen species and induction of lipid peroxidation. Toxicology Letters, 2011, 205, 302-309.	0.8	37
86	Caloric restriction profoundly inhibits liver tumor formation after initiation by 6-nitrochrysene in male mice. Carcinogenesis, 1994, 15, 159-161.	2.8	36
87	Formation of DHP-derived DNA adducts from metabolic activation of the prototype heliotridine-type pyrrolizidine alkaloid, heliotrine. Toxicology Letters, 2008, 178, 77-82.	0.8	35
88	Contamination of hepatotoxic pyrrolizidine alkaloids in retail honey in China. Food Control, 2018, 85, 484-494.	5.5	35
89	Introduction to the Special Issue: Nanomaterialsâ€" Toxicology and medical applications. Journal of Food and Drug Analysis, 2014, 22, 1-2.	1.9	33
90	Platinum nanoparticles inhibit antioxidant effects of vitamin C via ascorbate oxidase-mimetic activity. Journal of Materials Chemistry B, 2016, 4, 7895-7901.	5.8	33

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91	Mutagenicity of nitrofurans in Salmonella typhimurium TA98, TA98NR and TA98/1,8-DNP6. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1987, 192, 15-22.	1.1	32
92	An Improved32P-Postlabeling/High-Performance Liquid Chromatography Method for the Analysis of the Malondialdehye-Derived 1,N2-Propanodeoxyguanosine DNA Adduct in Animal and Human Tissues. Chemical Research in Toxicology, 1998, 11, 1032-1041.	3.3	32
93	Induction of rat hepatic cytochromes P-450 by environmental nitropolycyclic aromatic hydrocarbons. Biochemical Pharmacology, 1987, 36, 2449-2454.	4.4	31
94	Effect of the orientation of nitro substituent on the bacterial mutagenicity of dinitrobenzo[e]pyrenes. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1989, 225, 121-125.	1.1	31
95	Formation of C8-modified deoxyguanosine and C8-modified deoxyadenosine as major DNA adducts from 2-nitropyrene metabolism mediated by rat and mouse liver microsomes and cytosols. Carcinogenesis, 1991, 12, 609-616.	2.8	31
96	Two-Year Toxicity and Carcinogenicity Studies of Panax ginseng in Fischer 344 Rats and B6C3F1 Mice. The American Journal of Chinese Medicine, 2011, 39, 779-788.	3.8	31
97	Enantiomeric Composition of the trans -Dihydrodiols Produced from Phenanthrene by Fungi. Applied and Environmental Microbiology, 1993, 59, 2145-2149.	3.1	31
98	Identification of Two N2-Deoxyguanosinyl DNA Adducts upon Nitroreduction of the Environmental Mutagen 1-Nitropyrene. Chemical Research in Toxicology, 1995, 8, 269-277.	3.3	30
99	Differential mutagenicity of riddelliine in liver endothelial and parenchymal cells of transgenic big blue rats. Cancer Letters, 2004, 215, 151-158.	7.2	30
100	Pyrroleâ€“Hemoglobin Adducts, a More Feasible Potential Biomarker of Pyrrolizidine Alkaloid Exposure. Chemical Research in Toxicology, 2019, 32, 1027-1039.	3.3	30
101	Stereoselective metabolism of 7-bromobenz [a]anthracene by rat liver microsomes: absolute configurations of trans-dihydrodiol metabolites. Carcinogenesis, 1983, 4, 979-984.	2.8	29
102	Photomutagenicity of Retinyl Palmitate by Ultraviolet A Irradiation in Mouse Lymphoma Cells. Toxicological Sciences, 2005, 88, 142-149.	3.1	29
103	The role of formation of pyrroleâ€“ATP synthase subunit beta adduct in pyrrolizidine alkaloid-induced hepatotoxicity. Archives of Toxicology, 2018, 92, 3403-3414.	4.2	29
104	Synthesis of the isomeric phenols of benz[a]anthracene from benz[a]anthracene. Journal of Organic Chemistry, 1979, 44, 4265-4271.	3.2	28
105	Metabolism of 9-nitroanthracene by rat liver microsomes: identification and mutagenicity of metabolites. Carcinogenesis, 1985, 6, 753-757.	2.8	28
106	Gene expression profiling in male B6C3F1 mouse livers exposed to kava identifies â€“ Changes in drug metabolizing genes and potential mechanisms linked to kava toxicity. Food and Chemical Toxicology, 2010, 48, 686-696.	3.6	28
107	A novel ultra-performance liquid chromatography hyphenated with quadrupole time of flight mass spectrometry method for rapid estimation of total toxic retronecine-type of pyrrolizidine alkaloids in herbs without requiring corresponding standards. Food Chemistry, 2016, 194, 1320-1328.	8.2	28
108	Nitroreduction of 6-nitrobenzo[a]pyrene: a potential activation pathway in humans. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1988, 209, 123-129.	1.1	27

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109	Photoirradiation of azulene and guaiazuleneâ€"Formation of reactive oxygen species and induction of lipid peroxidation. Journal of Photochemistry and Photobiology A: Chemistry, 2010, 211, 123-128.	3.9	27
110	7-cysteine-pyrrole conjugate: A new potential DNA reactive metabolite of pyrrolizidine alkaloids. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2016, 34, 57-76.	2.9	27
111	Detection of Pyrrolizidine Alkaloid DNA Adducts in Livers of Cattle Poisoned with Heliotropium europaeum. Chemical Research in Toxicology, 2017, 30, 851-858.	3.3	27
112	Photo-induced DNA damage and photocytotoxicity of retinyl palmitate and its photodecomposition products. Toxicology and Industrial Health, 2005, 21, 167-175.	1.4	26
113	Phototoxicity of Herbal Plants and Herbal Products. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2013, 31, 213-255.	2.9	26
114	UVA photoirradiation of benzo[a]pyrene metabolites: induction of cytotoxicity, reactive oxygen species, and lipid peroxidation. Toxicology and Industrial Health, 2015, 31, 898-910.	1.4	26
115	Stereoselective metabolism of 7-methylbenz[a]anthracene: Absolute configuration of five dihydrodiol metabolites and the effect of dihydrodiol conformation on circular dichroism spectra. Chemico-Biological Interactions, 1984, 49, 71-88.	4.0	25
116	Relationships among direct-acting mutagenicity, nitro group orientation and polarographic reduction potential of 6-nitrobenzo[a]pyrene, 7-nitrobenz[a]anthracene and their derivatives. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1988, 209, 115-122.	1.1	25
117	Photoirradiation of Retinyl Palmitate in Ethanol with Ultraviolet Light - Formation of Photodecomposition Products, Reactive Oxygen Species, and Lipid Peroxides. International Journal of Environmental Research and Public Health, 2006, 3, 185-190.	2.6	25
118	Nanogold-Based Sensing of Environmental Toxins: Excitement and Challenges. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2011, 29, 52-89.	2.9	25
119	Pyrrolizidine Alkaloid Secondary Pyrrolic Metabolites Construct Multiple Activation Pathways Leading to DNA Adduct Formation and Potential Liver Tumor Initiation. Chemical Research in Toxicology, 2018, 31, 619-628.	3.3	25
120	Comprehensive investigation and risk study on pyrrolizidine alkaloid contamination in Chinese retail honey. Environmental Pollution, 2020, 267, 115542.	7.5	25
121	Direct separation of non-k-region mono-ol and diol enantiomers of phenanthrene, benz[a]anthracene, and chrysene by high-performance liquid chromatography with chiral stationary phases. Journal of Chromatography A, 1986, 371, 211-225.	3.7	24
122	Stereoselective metabolism of chrysene by rat liver microsomes. Direct separation of diol enantiomers by chiral stationary phase h.p.l.c.. Carcinogenesis, 1986, 7, 1221-1230.	2.8	24
123	Synthesis of the biologically reactive bay-region diol epoxide of the mutagenic environmental contaminant 1-nitrobenzo[a]pyrene. Journal of Organic Chemistry, 1993, 58, 7283-7285.	3.2	24
124	Phototoxicity of Kava â€" Formation of Reactive Oxygen Species Leading to Lipid Peroxidation and DNA Damage. The American Journal of Chinese Medicine, 2012, 40, 1271-1288.	3.8	24
125	A novel and convenient synthesis of dibenz[a,c]anthracene. Journal of Organic Chemistry, 1978, 43, 3423-3425.	3.2	23
126	Stereoselective metabolism of 9-methyl-, 9-hydroxymethyl- and 9,10-dimethylanthracenes: absolute configurations and optical purities of trans-dihydrodiol metabolites. Carcinogenesis, 1986, 7, 1135-1141.	2.8	23

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127	Pyrrolizidine alkaloid-derived DNA adducts are common toxicological biomarkers of pyrrolizidine alkaloid N -oxides. Journal of Food and Drug Analysis, 2017, 25, 984-991.	1.9	23
128	Metal-ammonia reduction. 15. Regioselectivity of reduction and reductive methylation in the fluorene series. Journal of Organic Chemistry, 1976, 41, 2706-2710.	3.2	22
129	Synthesis of the dihydro diols and diol epoxides of chrysene from chrysene. Journal of Organic Chemistry, 1979, 44, 3778-3784.	3.2	22
130	Stereoselective metabolism of 7-nitrobenz(a)anthracene to 3,4- and 8,9- trans -dihydrodiols. Biochemical and Biophysical Research Communications, 1983, 115, 123-129.	2.1	22
131	Evidence for a 2,3-epoxide as an intermediate in the microsomal metabolism of 6-nitrobenzo[a]pyrene. Carcinogenesis, 1983, 4, 699-702.	2.8	22
132	Synthesis of 3-aryl-3,4-dihydroisocoumarins. Journal of Organic Chemistry, 1985, 50, 1259-1261.	3.2	22
133	Mass Spectral Analysis of Nitropolycyclic Aromatic Hydrocarbons with Torsion Angle Obtained from Semiempirical Calculations. Journal of Organic Chemistry, 1996, 61, 5271-5273.	3.2	22
134	Liver tumors induced in B6C3F1 mice by 7-chlorobenz[a]anthracene and 7-bromobenz[a]anthracene contain K-ras protooncogene mutations. Cancer Letters, 1998, 123, 21-25.	7.2	22
135	Reaction of Dehydropyrrolizidine Alkaloids with Valine and Hemoglobin. Chemical Research in Toxicology, 2014, 27, 1720-1731.	3.3	22
136	Long-range coupling constants for structural analysis of complex polycyclic aromatic hydrocarbons by high-field proton magnetic resonance spectrometry. Analytical Chemistry, 1981, 53, 558-560.	6.5	21
137	Mutagenicity of nitro-polycyclic aromatic hydrocarbons with the nitro substituent situated at the longest molecular axis. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1992, 283, 45-52.	1.1	21
138	Potent tumorigenicity of 7-chlorobenz[Î±]anthracene and 7-bromobenz[Î±]anthracene in the neonatal B6C3F1 male mouse. Cancer Letters, 1996, 101, 37-42.	7.2	21
139	Gene Expression Profiling as an Initial Approach for Mechanistic Studies of Toxicity and Tumorigenicity of Herbal Plants and Herbal Dietary Supplements. Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews, 2010, 28, 60-87.	2.9	21
140	Microsomal metabolism of 1-nitrobenzo[e] to a highly mutagenic K-region dihydrodiol. Carcinogenesis, 1988, 9, 951-958.	2.8	20
141	Mutagenicity of 1-, 3- and 6-nitrosobenzo[a]pyrene in Salmonella typhimurium and Chinese hamster ovary cells. Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis, 1989, 225, 157-163.	1.1	20
142	Structure, Tumorigenicity, Microsomal Metabolism, and DNA Binding of 7-Nitrodibenz[a,h]anthracene. Chemical Research in Toxicology, 1998, 11, 937-945.	3.3	20
143	Photomutagenicity of Anhydroretinol and 5,6-Epoxyretinyl Palmitate in Mouse Lymphoma Cells. Chemical Research in Toxicology, 2006, 19, 1435-1440.	3.3	20
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