

Peter P Fu

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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.

256
papers

9,646
citations

48
h-index

86
g-index

263
ext. papers

10,544
ext. citations

4.8
avg. IF

6.09
L-index

#	Paper	IF	Citations
256	Mechanisms of nanotoxicity: generation of reactive oxygen species. <i>Journal of Food and Drug Analysis</i> , 2014 , 22, 64-75	7	822
255	Toxicity and environmental risks of nanomaterials: challenges and future needs. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2009 , 27, 1-35	4.5	450
254	Pyrrrolizidine alkaloids--genotoxicity, metabolism enzymes, metabolic activation, and mechanisms. <i>Drug Metabolism Reviews</i> , 2004 , 36, 1-55	7	426
253	The scavenging of reactive oxygen species and the potential for cell protection by functionalized fullerene materials. <i>Biomaterials</i> , 2009 , 30, 611-21	15.6	337
252	Dehydrogenation of polycyclic hydroaromatic compounds. <i>Chemical Reviews</i> , 1978 , 78, 317-361	68.1	257
251	Photomutagenicity of 16 polycyclic aromatic hydrocarbons from the US EPA priority pollutant list. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004 , 557, 99-108	3	230
250	Ginkgo biloba leave extract: biological, medicinal, and toxicological effects. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2007 , 25, 211-44	4.5	198
249	Metabolism of nitro-polycyclic aromatic hydrocarbons. <i>Drug Metabolism Reviews</i> , 1990 , 22, 209-68	7	184
248	Phototoxicity of nano titanium dioxides in HaCaT keratinocytes--generation of reactive oxygen species and cell damage. <i>Toxicology and Applied Pharmacology</i> , 2012 , 263, 81-8	4.6	180
247	Degradation of benzo[a]pyrene by Mycobacterium vanbaalenii PYR-1. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 340-5	4.8	148
246	Phototoxicity and environmental transformation of polycyclic aromatic hydrocarbons (PAHs)-light-induced reactive oxygen species, lipid peroxidation, and DNA damage. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2012 , 30, 1-41	4.5	139
245	Theranostic nanomedicine for cancer detection and treatment. <i>Journal of Food and Drug Analysis</i> , 2014 , 22, 3-17	7	116
244	Genotoxicity of pyrrolizidine alkaloids. <i>Journal of Applied Toxicology</i> , 2010 , 30, 183-96	4.1	111
243	Inhibition of tumor growth by endohedral metallofullerenol nanoparticles optimized as reactive oxygen species scavenger. <i>Molecular Pharmacology</i> , 2008 , 74, 1132-40	4.3	109
242	Langerhans cells facilitate epithelial DNA damage and squamous cell carcinoma. <i>Science</i> , 2012 , 335, 104-8	33.3	106
241	Metabolic activation of pyrrolizidine alkaloids: insights into the structural and enzymatic basis. <i>Chemical Research in Toxicology</i> , 2014 , 27, 1030-9	4	104
240	The orientation of the nitro substituent predicts the direct-acting bacterial mutagenicity of nitrated polycyclic aromatic hydrocarbons. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1985 , 143, 173-81		95

239	Metabolic activation of the tumorigenic pyrrolizidine alkaloid, riddelliine, leading to DNA adduct formation in vivo. <i>Chemical Research in Toxicology</i> , 2001 , 14, 101-9	4	92
238	Hepatotoxicity and tumorigenicity induced by metabolic activation of pyrrolizidine alkaloids in herbs. <i>Current Drug Metabolism</i> , 2011 , 12, 823-34	3.5	88
237	High-performance liquid chromatography electrospray ionization tandem mass spectrometry for the detection and quantitation of benzo[a]pyrene-DNA adducts. <i>Chemical Research in Toxicology</i> , 2005 , 18, 1306-15	4	88
236	Toxicity of engineered metal oxide nanomaterials mediated by nanoBioEcoInteractions: a review and perspective. <i>Environmental Science: Nano</i> , 2015 , 2, 564-582	7.1	84
235	Riddelliine N-oxide is a phytochemical and mammalian metabolite with genotoxic activity that is comparable to the parent pyrrolizidine alkaloid riddelliine. <i>Toxicology Letters</i> , 2003 , 145, 239-47	4.4	81
234	Nitro group orientation, reduction potential, and direct-acting mutagenicity of nitro-polycyclic aromatic hydrocarbons. <i>Environmental and Molecular Mutagenesis</i> , 1991 , 17, 169-80	3.2	81
233	Human liver microsomal reduction of pyrrolizidine alkaloid N-oxides to form the corresponding carcinogenic parent alkaloid. <i>Toxicology Letters</i> , 2005 , 155, 411-20	4.4	80
232	Platinum Nanoparticles: Efficient and Stable Catechol Oxidase Mimetics. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 19709-17	9.5	75
231	Pyrrolizidine alkaloid-derived DNA adducts as a common biological biomarker of pyrrolizidine alkaloid-induced tumorigenicity. <i>Chemical Research in Toxicology</i> , 2013 , 26, 1384-96	4	70
230	Human liver microsomal metabolism and DNA adduct formation of the tumorigenic pyrrolizidine alkaloid, riddelliine. <i>Chemical Research in Toxicology</i> , 2003 , 16, 66-73	4	69
229	Highly sensitive chemiluminescence immunoassay for benzo[a]pyrene-DNA adducts: validation by comparison with other methods, and use in human biomonitoring. <i>Carcinogenesis</i> , 2002 , 23, 2043-9	4.6	62
228	UVA photoirradiation of retinyl palmitate--formation of singlet oxygen and superoxide, and their role in induction of lipid peroxidation. <i>Toxicology Letters</i> , 2006 , 163, 30-43	4.4	61
227	Photoirradiation of polycyclic aromatic hydrocarbons with UVA light - a pathway leading to the generation of reactive oxygen species, lipid peroxidation, and dna damage. <i>International Journal of Environmental Research and Public Health</i> , 2006 , 3, 348-54	4.6	61
226	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. <i>Carcinogenesis</i> , 1987 , 8, 1763-9	4.6	61
225	Regioselective catalytic hydrogenation of polycyclic aromatic hydrocarbons under mild conditions. <i>Journal of Organic Chemistry</i> , 1980 , 45, 2797-2803	4.2	61
224	Genotoxic Pyrrolizidine Alkaloids [Mechanisms Leading to DNA Adduct Formation and Tumorigenicity. <i>International Journal of Molecular Sciences</i> , 2002 , 3, 948-964	6.3	58
223	Tumor-initiating ability of the twelve monomethylbenz[a]anthracenes. <i>Carcinogenesis</i> , 1982 , 3, 215-7	4.6	58
222	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

221	Synthesis and 32P-postlabeling/high-performance liquid chromatography separation of diastereomeric 1,N2-(1,3-propano)-2Rdeoxyguanosine 3Rphosphate adducts formed from 4-hydroxy-2-nonenal. <i>Chemical Research in Toxicology</i> , 1997 , 10, 1259-65	4	56
220	Metabolic activation of the tumorigenic pyrrolizidine alkaloid, monocrotaline, leading to DNA adduct formation in vivo. <i>Cancer Letters</i> , 2005 , 226, 27-35	9.9	55
219	Toxicity of kava kava. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2008 , 26, 89-112	4.5	54
218	Photodecomposition of retinyl palmitate in ethanol by UVA light-formation of photodecomposition products, reactive oxygen species, and lipid peroxides. <i>Chemical Research in Toxicology</i> , 2005 , 18, 129-38 ⁴		54
217	Cytotoxicity of pyrrolizidine alkaloid in human hepatic parenchymal and sinusoidal endothelial cells: Firm evidence for the reactive metabolites mediated pyrrolizidine alkaloid-induced hepatotoxicity. <i>Chemico-Biological Interactions</i> , 2016 , 243, 119-26	5	53
216	Pyrrolizidine Alkaloids: Metabolic Activation Pathways Leading to Liver Tumor Initiation. <i>Chemical Research in Toxicology</i> , 2017 , 30, 81-93	4	53
215	Identification of five hepatotoxic pyrrolizidine alkaloids in a commonly used traditional Chinese medicinal herb, Herba Senecionis scandentis (Qianliguang). <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 591-602	2.2	53
214	Stereoselective formation of a K-region dihydrodiol from phenanthrene by <i>Streptomyces flavovirens</i> . <i>Archives of Microbiology</i> , 1990 , 154, 260-6	3	52
213	A new approach for simultaneous screening and quantification of toxic pyrrolizidine alkaloids in some potential pyrrolizidine alkaloid-containing plants by using ultra performance liquid chromatography-tandem quadrupole mass spectrometry. <i>Analytica Chimica Acta</i> , 2010 , 681, 33-40	6.6	51
212	Dual role of selected antioxidants found in dietary supplements: crossover between anti- and pro-oxidant activities in the presence of copper. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 2554-61	5.7	50
211	Phototoxicity of zinc oxide nanoparticles in HaCaT keratinocytes-generation of oxidative DNA damage during UVA and visible light irradiation. <i>Journal of Nanoscience and Nanotechnology</i> , 2013 , 13, 3880-8	1.3	50
210	Nanoscale ZnO induces cytotoxicity and DNA damage in human cell lines and rat primary neuronal cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 2126-35	1.3	50
209	Multiple metabolic pathways for the mutagenic activation of 3-nitrobenzo[a]pyrene. <i>Carcinogenesis</i> , 1985 , 6, 1235-8	4.6	50
208	Quality assurance and safety of herbal dietary supplements. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2009 , 27, 91-119	4.5	48
207	Metabolism of nitropolycyclic aromatic hydrocarbons by human intestinal microflora. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 123, 262-70	3.4	48
206	Full structure assignments of pyrrolizidine alkaloid DNA adducts and mechanism of tumor initiation. <i>Chemical Research in Toxicology</i> , 2012 , 25, 1985-96	4	47
205	Analysis of gene expression changes of drug metabolizing enzymes in the livers of F344 rats following oral treatment with kava extract. <i>Food and Chemical Toxicology</i> , 2009 , 47, 433-42	4.7	47
204	Cyclopenta-polycyclic aromatic hydrocarbons: potential carcinogens and mutagens. <i>Carcinogenesis</i> , 1980 , 1, 725-7	4.6	47

203	Molecular orbital theoretical prediction of the isomeric products formed from reactions of arene oxides and related metabolites of polycyclic aromatic hydrocarbons. <i>Tetrahedron</i> , 1978 , 34, 857-866	2.4	46
202	Metabolic formation of DHP-derived DNA adducts from a representative otonecine type pyrrolizidine alkaloid clivorine and the extract of <i>Ligularia hodgsonnii</i> hook. <i>Chemical Research in Toxicology</i> , 2004 , 17, 702-8	4	45
201	Cytotoxicity of organic surface coating agents used for nanoparticles synthesis and stability. <i>Toxicology in Vitro</i> , 2015 , 29, 762-8	3.6	44
200	Development of a (32)P-postlabeling/HPLC method for detection of dehydroretronecine-derived DNA adducts in vivo and in vitro. <i>Chemical Research in Toxicology</i> , 2001 , 14, 91-100	4	44
199	Photo-irradiation of Aloe vera by UVA--formation of free radicals, singlet oxygen, superoxide, and induction of lipid peroxidation. <i>Toxicology Letters</i> , 2007 , 168, 165-75	4.4	42
198	Formation of DHP-derived DNA adducts from metabolic activation of the prototype heliotridine-type pyrrolizidine alkaloid, lasiocarpine. <i>Cancer Letters</i> , 2006 , 231, 138-45	9.9	42
197	Identification of DNA adducts derived from riddelliine, a carcinogenic pyrrolizidine alkaloid. <i>Chemical Research in Toxicology</i> , 2003 , 16, 1130-7	4	41
196	Metabolism of 1-nitrobenzo[a]pyrene by rat liver microsomes to potent mutagenic metabolites. <i>Carcinogenesis</i> , 1986 , 7, 1837-44	4.6	41
195	7-glutathione pyrrole adduct: a potential DNA reactive metabolite of pyrrolizidine alkaloids. <i>Chemical Research in Toxicology</i> , 2015 , 28, 615-20	4	40
194	Photodecomposition of vitamin A and photobiological implications for the skin. <i>Photochemistry and Photobiology</i> , 2007 , 83, 409-24	3.6	40
193	Formation of DHP-derived DNA adducts in vivo from dietary supplements and chinese herbal plant extracts containing carcinogenic pyrrolizidine alkaloids. <i>Toxicology and Industrial Health</i> , 2006 , 22, 321-7	1.8	40
192	Photomutagenicity of cosmetic ingredient chemicals azulene and guaiazulene. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003 , 530, 19-26	3.3	40
191	Photodecomposition and phototoxicity of natural retinoids. <i>International Journal of Environmental Research and Public Health</i> , 2005 , 2, 147-55	4.6	40
190	Correlation of DNA adduct formation and riddelliine-induced liver tumorigenesis in F344 rats and B6C3F(1) mice. <i>Cancer Letters</i> , 2003 , 193, 119-25	9.9	39
189	UVA light-induced DNA cleavage by isomeric methylbenz[a]anthracenes. <i>Chemical Research in Toxicology</i> , 2002 , 15, 400-7	4	39
188	Effect of the nitro group conformation on the rat liver microsomal metabolism and bacterial mutagenicity of 2- and 9-nitroanthracene. <i>Carcinogenesis</i> , 1986 , 7, 1819-27	4.6	39
187	The long persistence of pyrrolizidine alkaloid-derived DNA adducts in vivo: kinetic study following single and multiple exposures in male ICR mice. <i>Archives of Toxicology</i> , 2017 , 91, 949-965	5.8	37
186	Pyrrole-protein adducts - A biomarker of pyrrolizidine alkaloid-induced hepatotoxicity. <i>Journal of Food and Drug Analysis</i> , 2018 , 26, 965-972	7	37

185	Metabolic activation of the tumorigenic pyrrolizidine alkaloid, retrorsine, leading to DNA adduct formation in vivo. <i>International Journal of Environmental Research and Public Health</i> , 2005 , 2, 74-9	4.6	36
184	Characteristic ion clusters as determinants for the identification of pyrrolizidine alkaloid N-oxides in pyrrolizidine alkaloid-containing natural products using HPLC-MS analysis. <i>Journal of Mass Spectrometry</i> , 2012 , 47, 331-7	2.2	35
183	Ginkgo biloba extract induces gene expression changes in xenobiotics metabolism and the Myc-centered network. <i>OMICS A Journal of Integrative Biology</i> , 2010 , 14, 75-90	3.8	35
182	Regio- and stereoselective metabolism of 7,12-dimethylbenz[a]anthracene by <i>Mycobacterium vanbaalenii</i> PYR-1. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 3924-31	4.8	35
181	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. <i>Journal of Chromatography A</i> , 1984 , 316, 569-84	4.5	35
180	Biotransformation of mirtazapine by <i>Cunninghamella elegans</i> . <i>Drug Metabolism and Disposition</i> , 2002 , 30, 1274-9	4	34
179	Nitro-polycyclic aromatic hydrocarbons: A class of genotoxic environmental pollutants. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 1999 , 17, 1-43	4.5	34
178	Stereochemistry of 9,10-dialkyl-9,10-dihydroanthracene and 9-alkyl-10-lithio-9,10-dihydroanthracene. <i>Journal of the American Chemical Society</i> , 1975 , 97, 1145-1153	16.4	34
177	Phototoxicity and DNA damage induced by the cosmetic ingredient chemical azulene in human Jurkat T-cells. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2004 , 562, 143-50	3	33
176	Halogenated-polycyclic aromatic hydrocarbons: A class of Genotoxic environmental pollutants. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 1999 , 17, 71-109	4.5	33
175	Stereoselective metabolism of 6-bromobenzo[a]pyrene by rat liver microsomes: absolute configuration of trans-dihydrodiol metabolites. <i>Biochemical and Biophysical Research Communications</i> , 1982 , 109, 927-34	3.4	33
174	Pyrrolizidine Alkaloid-Protein Adducts: Potential Non-invasive Biomarkers of Pyrrolizidine Alkaloid-Induced Liver Toxicity and Exposure. <i>Chemical Research in Toxicology</i> , 2016 , 29, 1282-92	4	33
173	Caloric restriction profoundly inhibits liver tumor formation after initiation by 6-nitrochrysene in male mice. <i>Carcinogenesis</i> , 1994 , 15, 159-61	4.6	32
172	Photoirradiation of dehydropyrrolizidine alkaloids--formation of reactive oxygen species and induction of lipid peroxidation. <i>Toxicology Letters</i> , 2011 , 205, 302-9	4.4	31
171	An improved ³² P-postlabeling/high-performance liquid chromatography method for the analysis of the malondialdehyde-derived 1, N2-propanodeoxyguanosine DNA adduct in animal and human tissues. <i>Chemical Research in Toxicology</i> , 1998 , 11, 1032-41	4	31
170	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. <i>Carcinogenesis</i> , 1991 , 12, 609-16	4.6	31
169	Induction of rat hepatic cytochromes P-450 by environmental nitropolycyclic aromatic hydrocarbons. <i>Biochemical Pharmacology</i> , 1987 , 36, 2449-54	6	31
168	Formation of DHP-derived DNA adducts from metabolic activation of the prototype heliotridine-type pyrrolizidine alkaloid, heliotrine. <i>Toxicology Letters</i> , 2008 , 178, 77-82	4.4	30

167	Two-year toxicity and carcinogenicity studies of Panax ginseng in Fischer 344 rats and B6C3F1 mice. <i>The American Journal of Chinese Medicine</i> , 2011 , 39, 779-88	6	29
166	Identification of two N2-deoxyguanosinyl DNA adducts upon nitroreduction of the environmental mutagen 1-nitropyrene. <i>Chemical Research in Toxicology</i> , 1995 , 8, 269-77	4	28
165	Effect of the orientation of nitro substituent on the bacterial mutagenicity of dinitrobenzo[e]pyrenes. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1989 , 225, 121-5		28
164	Metabolism of 9-nitroanthracene by rat liver microsomes: identification and mutagenicity of metabolites. <i>Carcinogenesis</i> , 1985 , 6, 753-7	4.6	28
163	Gene expression profiling in male B6C3F1 mouse livers exposed to kava identifies--changes in drug metabolizing genes and potential mechanisms linked to kava toxicity. <i>Food and Chemical Toxicology</i> , 2010 , 48, 686-96	4.7	27
162	Differential mutagenicity of riddelliine in liver endothelial and parenchymal cells of transgenic big blue rats. <i>Cancer Letters</i> , 2004 , 215, 151-8	9.9	27
161	Stereoselective metabolism of 7-bromobenz[a]anthracene by rat liver microsomes: absolute configurations of trans-dihydrodiol metabolites. <i>Carcinogenesis</i> , 1983 , 4, 979-84	4.6	27
160	7-cysteine-pyrrole conjugate: A new potential DNA reactive metabolite of pyrrolizidine alkaloids. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2016 , 34, 57-76	4.5	26
159	Photomutagenicity of retinyl palmitate by ultraviolet a irradiation in mouse lymphoma cells. <i>Toxicological Sciences</i> , 2005 , 88, 142-9	4.4	26
158	Mutagenicity of nitrofurans in Salmonella typhimurium TA98, TA98NR and TA98/1,8-DNP6. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1987 , 192, 15-22		25
157	Nitroreduction of 6-nitrobenzo[a]pyrene: a potential activation pathway in humans. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988 , 209, 123-9		25
156	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. <i>Food Chemistry</i> , 2016 , 194, 1320-8	8.5	24
155	Enantiomeric Composition of the trans-Dihydrodiols Produced from Phenanthrene by Fungi. <i>Applied and Environmental Microbiology</i> , 1993 , 59, 2145-9	4.8	24
154	Pyrrole-Hemoglobin Adducts, a More Feasible Potential Biomarker of Pyrrolizidine Alkaloid Exposure. <i>Chemical Research in Toxicology</i> , 2019 , 32, 1027-1039	4	23
153	Contamination of hepatotoxic pyrrolizidine alkaloids in retail honey in China. <i>Food Control</i> , 2018 , 85, 484-494	6.2	23
152	Nanogold-based sensing of environmental toxins: excitement and challenges. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2011 , 29, 52-89	4.5	23
151	Phototoxicity of kava - formation of reactive oxygen species leading to lipid peroxidation and DNA damage. <i>The American Journal of Chinese Medicine</i> , 2012 , 40, 1271-88	6	23
150	Synthesis of the isomeric phenols of benz[a]anthracene from benz[a]anthracene. <i>Journal of Organic Chemistry</i> , 1979 , 44, 4265-4271	4.2	23

149	Photoirradiation of azulene and guaiazulene formation of reactive oxygen species and induction of lipid peroxidation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010 , 211, 123-128	4.7	22
148	Stereoselective metabolism of chrysene by rat liver microsomes. Direct separation of diol enantiomers by chiral stationary phase h.p.l.c. <i>Carcinogenesis</i> , 1986 , 7, 1221-30	4.6	22
147	Relationships among direct-acting mutagenicity, nitro group orientation and polarographic reduction potential of 6-nitrobenzo[a]pyrene, 7-nitrobenz[a]anthracene and their derivatives. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1988 , 209, 115-22		22
146	Evidence for a 2,3-epoxide as an intermediate in the microsomal metabolism of 6-nitrobenzo[a]pyrene. <i>Carcinogenesis</i> , 1983 , 4, 699-702	4.6	22
145	Detection of Pyrrolizidine Alkaloid DNA Adducts in Livers of Cattle Poisoned with Heliotropium europaeum. <i>Chemical Research in Toxicology</i> , 2017 , 30, 851-858	4	21
144	Phototoxicity of herbal plants and herbal products. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2013 , 31, 213-55	4.5	21
143	Photoirradiation of retinyl palmitate in ethanol with ultraviolet light--formation of photodecomposition products, reactive oxygen species, and lipid peroxides. <i>International Journal of Environmental Research and Public Health</i> , 2006 , 3, 185-90	4.6	21
142	Stereoselective metabolism of 7-nitrobenz(a)anthracene to 3,4- and 8,9- trans-dihydrodiols. <i>Biochemical and Biophysical Research Communications</i> , 1983 , 115, 123-9	3.4	21
141	Stereoselective metabolism of 7-methylbenz[a]anthracene: absolute configuration of five dihydrodiol metabolites and the effect of dihydrodiol conformation on circular dichroism spectra. <i>Chemico-Biological Interactions</i> , 1984 , 49, 71-88	5	21
140	A novel and convenient synthesis of dibenz[a,c]anthracene. <i>Journal of Organic Chemistry</i> , 1978 , 43, 3423-3425	4.25	21
139	Platinum nanoparticles inhibit antioxidant effects of vitamin C via ascorbate oxidase-mimetic activity. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 7895-7901	7.3	21
138	Liver tumors induced in B6C3F1 mice by 7-chlorobenz[a]anthracene and 7-bromobenz[a]anthracene contain K-ras protooncogene mutations. <i>Cancer Letters</i> , 1998 , 123, 21-5	9.9	20
137	Long-range coupling constants for structural analysis of complex polycyclic aromatic hydrocarbons by high-field proton magnetic resonance spectrometry. <i>Analytical Chemistry</i> , 1981 , 53, 558-560	7.8	20
136	The role of formation of pyrrole-ATP synthase subunit beta adduct in pyrrolizidine alkaloid-induced hepatotoxicity. <i>Archives of Toxicology</i> , 2018 , 92, 3403-3414	5.8	20
135	7-Glutathione-pyrrole and 7-cysteine-pyrrole are potential carcinogenic metabolites of pyrrolizidine alkaloids. <i>Journal of Environmental Science and Health, Part C: Environmental Carcinogenesis and Ecotoxicology Reviews</i> , 2017 , 35, 69-83	4.5	19
134	Photo-induced DNA damage and photocytotoxicity of retinyl palmitate and its photodecomposition products. <i>Toxicology and Industrial Health</i> , 2005 , 21, 167-75	1.8	19
133	Mass Spectral Analysis of Nitropolycyclic Aromatic Hydrocarbons with Torsion Angle Obtained from Semiempirical Calculations. <i>Journal of Organic Chemistry</i> , 1996 , 61, 5271-5273	4.2	19
132	Synthesis of the biologically reactive bay-region diol epoxide of the mutagenic environmental contaminant 1-nitrobenzo[a]pyrene. <i>Journal of Organic Chemistry</i> , 1993 , 58, 7283-7285	4.2	19

131	Mutagenicity of nitro-polycyclic aromatic hydrocarbons with the nitro substituent situated at the longest molecular axis. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1992 , 283, 45-52		19
130	Mutagenicity of 1-, 3- and 6-nitrosobenzo[a]pyrene in <i>Salmonella typhimurium</i> and Chinese hamster ovary cells. <i>Mutation Research-Fundamental and Molecular Mechanisms of Mutagenesis</i> , 1989 , 225, 157-63		19
129	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. <i>Journal of Chromatography A</i> , 1986 , 371, 211-25	4.5	19
128	Microsomal metabolism of 1-nitrobenzo[e]pyrene to a highly mutagenic K-region dihydrodiol. <i>Carcinogenesis</i> , 1988 , 9, 951-8	4.6	19
127	Xanthine oxidase-catalyzed DNA binding of dihydrodiol derivatives of nitro-polycyclic aromatic hydrocarbons. <i>Biochemical and Biophysical Research Communications</i> , 1986 , 141, 245-50	3.4	19
126	UVA photoirradiation of benzo[a]pyrene metabolites: induction of cytotoxicity, reactive oxygen species, and lipid peroxidation. <i>Toxicology and Industrial Health</i> , 2015 , 31, 898-910	1.8	18
125	Synthesis and phototoxicity of isomeric 7,9-diglutathione pyrrole adducts: Formation of reactive oxygen species and induction of lipid peroxidation. <i>Journal of Food and Drug Analysis</i> , 2015 , 23, 577-586 ⁷		18
124	Reaction of dehydropyrrolizidine alkaloids with valine and hemoglobin. <i>Chemical Research in Toxicology</i> , 2014 , 27, 1720-31	4	18
123	Structure, tumorigenicity, microsomal metabolism, and DNA binding of 7-Nitrodibenz[a,h]anthracene. <i>Chemical Research in Toxicology</i> , 1998 , 11, 937-45	4	18
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