

Fung-Lung Chung

List of Publications by Year in descending order

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50
papers

3,786
citations

172207

29
h-index

189595

50
g-index

50
all docs

50
docs citations

50
times ranked

3679
citing authors

#	ARTICLE	IF	CITATIONS
1	Isothiocyanates as Cancer Chemopreventive Agents: Their Biological Activities and Metabolism in Rodents and Humans. <i>Current Drug Metabolism</i> , 2002, 3, 233-255.	0.7	365
2	Lipid peroxidation as a potential endogenous source for the formation of exocyclic DNA adducts. <i>Carcinogenesis</i> , 1996, 17, 2105-2111.	1.3	337
3	Inhibition of benzo(a)pyrene-induced lung tumorigenesis in A/J mice by dietary N-acetylcysteine conjugates of benzyl and phenethyl isothiocyanates during the postinitiation phase is associated with activation of mitogen-activated protein kinases and p53 activity and induction of apoptosis. <i>Cancer Research</i> , 2002, 62, 2-7.	0.4	270
4	The major lipid peroxidation product, trans-4-hydroxy-2-nonenal, preferentially forms DNA adducts at codon 249 of human p53 gene, a unique mutational hotspot in hepatocellular carcinoma. <i>Carcinogenesis</i> , 2002, 23, 1781-1789.	1.3	241
5	Tea and Cancer Prevention: Studies in Animals and Humans. <i>Journal of Nutrition</i> , 2003, 133, 3268S-3274S.	1.3	232
6	Phenethyl Isothiocyanate and Sulforaphane and their N-Acetylcysteine Conjugates Inhibit Malignant Progression of Lung Adenomas Induced by Tobacco Carcinogens in A/J Mice. <i>Cancer Research</i> , 2005, 65, 8548-8557.	0.4	226
7	Covalent Binding to Tubulin by Isothiocyanates. <i>Journal of Biological Chemistry</i> , 2008, 283, 22136-22146.	1.6	189
8	The Role of Protein Binding in Induction of Apoptosis by Phenethyl Isothiocyanate and Sulforaphane in Human Non-Small Lung Cancer Cells. <i>Cancer Research</i> , 2007, 67, 6409-6416.	0.4	129
9	Sulforaphane Activates Heat Shock Response and Enhances Proteasome Activity through Up-regulation of Hsp27. <i>Journal of Biological Chemistry</i> , 2010, 285, 35528-35536.	1.6	117
10	Cancer Preventive Isothiocyanates Induce Selective Degradation of Cellular α - and β -Tubulins by Proteasomes. <i>Journal of Biological Chemistry</i> , 2009, 284, 17039-17051.	1.6	106
11	Proteins as binding targets of isothiocyanates in cancer prevention. <i>Carcinogenesis</i> , 2011, 32, 1405-1413.	1.3	103
12	Distribution and metabolism of the natural anticarcinogen phenethyl isothiocyanate in A/J mice. <i>Carcinogenesis</i> , 1990, 11, 2033-2036.	1.3	94
13	High-Performance Liquid Chromatography-Based Determination of Total Isothiocyanate Levels in Human Plasma: Application to Studies with 2-Phenethyl Isothiocyanate. <i>Analytical Biochemistry</i> , 2001, 291, 279-289.	1.1	83
14	Selective Depletion of Mutant p53 by Cancer Chemopreventive Isothiocyanates and Their Structure-Activity Relationships. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 809-816.	2.9	81
15	Formation of Cyclic Deoxyguanosine Adducts from ω -3 and ω -6 Polyunsaturated Fatty Acids under Oxidative Conditions. <i>Chemical Research in Toxicology</i> , 2002, 15, 367-372.	1.7	76
16	Effect of Carcinogenic Acrolein on DNA Repair and Mutagenic Susceptibility. <i>Journal of Biological Chemistry</i> , 2012, 287, 12379-12386.	1.6	75
17	Formation of trans-4-hydroxy-2-nonenal- and other enal-derived cyclic DNA adducts from ω -3 and ω -6 polyunsaturated fatty acids and their roles in DNA repair and human p53 gene mutation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003, 531, 25-36.	0.4	72
18	Epoxidation of trans-4-Hydroxy-2-nonenal by Fatty Acid Hydroperoxides and Hydrogen Peroxide. <i>Chemical Research in Toxicology</i> , 1996, 9, 306-312.	1.7	70

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19	Formation of Etheno Adducts in Reactions of Enals via Autoxidation. <i>Chemical Research in Toxicology</i> , 1994, 7, 857-860.	1.7	63
20	Identification of Potential Protein Targets of Isothiocyanates by Proteomics. <i>Chemical Research in Toxicology</i> , 2011, 24, 1735-1743.	1.7	62
21	Phenethyl isothiocyanate sensitizes human cervical cancer cells to apoptosis induced by cisplatin. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 1572-1581.	1.5	59
22	Isothiocyanates inhibit proteasome activity and proliferation of multiple myeloma cells. <i>Carcinogenesis</i> , 2011, 32, 216-223.	1.3	59
23	Application of an immunoassay for cyclic acrolein deoxyguanosine adducts to assess their formation in DNA of <i>Salmonella typhimurium</i> under conditions of mutation induction by acrolein. <i>Carcinogenesis</i> , 1989, 10, 87-90.	1.3	54
24	Oxidative stress and hepatocarcinogenesis. <i>Hepatoma Research</i> , 2018, 4, 39.	0.6	53
25	Repair Kinetics of trans-4-Hydroxynonenal-Induced Cyclic 1,N2-Propanodeoxyguanine DNA Adducts by Human Cell Nuclear Extracts. <i>Biochemistry</i> , 2004, 43, 7514-7521.	1.2	52
26	Isothiocyanates suppress the invasion and metastasis of tumors by targeting FAK/MMP-9 activity. <i>Oncotarget</i> , 2017, 8, 63949-63962.	0.8	48
27	Acrolein-Derived DNA Adduct Formation in Human Colon Cancer Cells: Its Role in Apoptosis Induction by Docosahexaenoic Acid. <i>Chemical Research in Toxicology</i> , 2009, 22, 798-806.	1.7	47
28	Sensitization of Non-small Cell Lung Cancer Cells to Cisplatin by Naturally Occurring Isothiocyanates. <i>Chemical Research in Toxicology</i> , 2010, 23, 1307-1309.	1.7	44
29	Aggresome-like structure induced by isothiocyanates is novel proteasome-dependent degradation machinery. <i>Biochemical and Biophysical Research Communications</i> , 2009, 388, 456-462.	1.0	34
30	Glutathione Depletion Enhances the Formation of Endogenous Cyclic DNA Adducts Derived from trans-4-Hydroxy-2-nonenal in Rat Liver. <i>Chemical Research in Toxicology</i> , 2005, 18, 24-27.	1.7	29
31	N-Acetylcysteine Conjugate of Phenethyl Isothiocyanate Enhances Apoptosis in Growth-Stimulated Human Lung Cells. <i>Cancer Research</i> , 2005, 65, 8538-8547.	0.4	26
32	Detection of the acrolein-derived cyclic DNA adduct by a quantitative 32P-postlabeling/solid-phase extraction/HPLC method: Blocking its artifact formation with glutathione. <i>Analytical Biochemistry</i> , 2008, 374, 163-172.	1.1	25
33	Detection of Acrolein-Derived Cyclic DNA Adducts in Human Cells by Monoclonal Antibodies. <i>Chemical Research in Toxicology</i> , 2012, 25, 2788-2795.	1.7	25
34	Aldo-keto reductase 1B10 protects human colon cells from DNA damage induced by electrophilic carbonyl compounds. <i>Molecular Carcinogenesis</i> , 2017, 56, 118-129.	1.3	24
35	A solid-phase extraction/high-performance liquid chromatography-based 32P-postlabeling method for detection of cyclic 1,N2-propanodeoxyguanosine adducts derived from enals. <i>Analytical Biochemistry</i> , 2006, 348, 15-23.	1.1	23
36	p53 mutant-type in human prostate cancer cells determines the sensitivity to phenethyl isothiocyanate induced growth inhibition. <i>Journal of Experimental and Clinical Cancer Research</i> , 2019, 38, 307.	3.5	22

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37	Effect of Glutathione Depletion on Exocyclic Adduct Levels in the Liver DNA of F344 Rats. <i>Chemical Research in Toxicology</i> , 1997, 10, 1250-1253.	1.7	20
38	Repair kinetics of acrolein- and (E)-4-hydroxy-2-nonenal-derived DNA adducts in human colon cell extracts. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2013, 751-752, 15-23.	0.4	19
39	In vivo detection of a novel endogenous etheno-DNA adduct derived from arachidonic acid and the effects of antioxidants on its formation. <i>Free Radical Biology and Medicine</i> , 2014, 73, 12-20.	1.3	17
40	Proteomic identification of binding targets of isothiocyanates: A perspective on techniques. <i>Journal of Proteomics</i> , 2011, 74, 1036-1044.	1.2	16
41	Regioselective Formation of Acrolein-Derived Cyclic 1,N ² -Propanodeoxyguanosine Adducts Mediated by Amino Acids, Proteins, and Cell Lysates. <i>Chemical Research in Toxicology</i> , 2012, 25, 1921-1928.	1.7	16
42	An endogenous DNA adduct as a prognostic biomarker for hepatocarcinogenesis and its prevention by Theaphenon E in mice. <i>Hepatology</i> , 2018, 67, 159-170.	3.6	14
43	Effects of Epigallocatechin Gallate, L-Ascorbic Acid, Î±-Tocopherol, and Dihydrolipoic Acid on the Formation of Deoxyguanosine Adducts Derived From Lipid Peroxidation. <i>Nutrition and Cancer</i> , 2010, 62, 622-629.	0.9	13
44	Detection of a lipid peroxidation-induced DNA adduct across liver disease stages. <i>Hepatobiliary Surgery and Nutrition</i> , 2018, 7, 85-97.	0.7	11
45	Adamantyl Isothiocyanates as Mutant p53 Rescuing Agents and Their Structure-Activity Relationships. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 6621-6633.	2.9	11
46	Theaphenon E prevents fatty liver disease and increases CD4+ T cell survival in mice fed a high-fat diet. <i>Clinical Nutrition</i> , 2021, 40, 110-119.	2.3	10
47	Prevention of Lipid Peroxidation-derived Cyclic DNA Adduct and Mutation in High-Fat Diet-induced Hepatocarcinogenesis by Theaphenon E. <i>Cancer Prevention Research</i> , 2018, 11, 665-676.	0.7	9
48	High-throughput, Quantitative Analysis of Acrolein-derived DNA Adducts in Human Oral Cells by Immunohistochemistry. <i>Journal of Histochemistry and Cytochemistry</i> , 2012, 60, 844-853.	1.3	6
49	Nucleotide excision repair deficiency increases levels of acrolein-derived cyclic DNA adduct and sensitizes cells to apoptosis induced by docosahexaenoic acid and acrolein. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2016, 789, 33-38.	0.4	6
50	Monoclonal Antibodies for the Detection of a Specific Cyclic DNA Adduct Derived from Î±-6 Polyunsaturated Fatty Acids. <i>Chemical Research in Toxicology</i> , 2018, 31, 772-783.	1.7	3