

Yong-ping Bao

List of Publications by Year in descending order

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96
papers

5,883
citations

109321

35
h-index

74163

75
g-index

104
all docs

104
docs citations

104
times ranked

8227
citing authors

#	ARTICLE	IF	CITATIONS
1	Selenium in Human Health and Disease. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 1337-1383.	5.4	1,003
2	Biological effects of a nano red elemental selenium. <i>BioFactors</i> , 2001, 15, 27-38.	5.4	436
3	Conjugation position of quercetin glucuronides and effect on biological activity. <i>Free Radical Biology and Medicine</i> , 2000, 29, 1234-1243.	2.9	317
4	Paradoxical Roles of Antioxidant Enzymes: Basic Mechanisms and Health Implications. <i>Physiological Reviews</i> , 2016, 96, 307-364.	28.8	283
5	Effect of flavonoids and Vitamin E on cyclooxygenase-2 (COX-2) transcription. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2004, 551, 245-254.	1.0	264
6	ABSORPTION/METABOLISM OF SULFORAPHANE AND QUERCETIN, AND REGULATION OF PHASE II ENZYMES, IN HUMAN JEJUNUM IN VIVO. <i>Drug Metabolism and Disposition</i> , 2003, 31, 805-813.	3.3	199
7	Role of PI3K/Akt and MEK/ERK signaling pathways in sulforaphane- and erucin-induced phase II enzymes and MRP2 transcription, G2/M arrest and cell death in Caco-2 cells. <i>Biochemical Pharmacology</i> , 2005, 69, 1543-1552.	4.4	172
8	Isolation, identification and stability of acylated derivatives of apigenin 7-O-glucoside from chamomile (<i>Chamomilla recutita</i> [L.] Rauschert). <i>Phytochemistry</i> , 2004, 65, 2323-2332.	2.9	164
9	Phospholipid hydroperoxide glutathione peroxidase activity of human glutathione transferases. <i>Biochemical Journal</i> , 1998, 332, 97-100.	3.7	145
10	Sulforaphane and its glutathione conjugate but not sulforaphane nitrile induce UDP-glucuronosyl transferase (UGT1A1) and glutathione transferase (GSTA1) in cultured cells. <i>Carcinogenesis</i> , 2002, 23, 1399-1404.	2.8	135
11	Nano red elemental selenium has no size effect in the induction of seleno-enzymes in both cultured cells and mice. <i>Life Sciences</i> , 2004, 75, 237-244.	4.3	133
12	Transcriptome Analysis of Human Colon Caco-2 Cells Exposed to Sulforaphane. <i>Journal of Nutrition</i> , 2005, 135, 1865-1872.	2.9	116
13	Epithelial-mesenchymal transition, a novel target of sulforaphane via COX-2/MMP2, 9/Snail, ZEB1 and miR-200c/ZEB1 pathways in human bladder cancer cells. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1062-1069.	4.2	110
14	Sulforaphane Mediates Glutathione Depletion via Polymeric Nanoparticles to Restore Cisplatin Chemosensitivity. <i>ACS Nano</i> , 2019, 13, 13445-13455.	14.6	106
15	Sulforaphane and quercetin modulate PhIP-DNA adduct formation in human HepG2 cells and hepatocytes. <i>Carcinogenesis</i> , 2003, 24, 1903-1911.	2.8	101
16	Synergy between sulforaphane and selenium in the induction of thioredoxin reductase 1 requires both transcriptional and translational modulation. <i>Carcinogenesis</i> , 2003, 24, 497-503.	2.8	88
17	Quercetin Metabolites Downregulate Cyclooxygenase-2 Transcription in Human Lymphocytes Ex Vivo but Not In Vivo. <i>Journal of Nutrition</i> , 2004, 134, 552-557.	2.9	84
18	Sulforaphane exerts anti-angiogenesis effects against hepatocellular carcinoma through inhibition of STAT3/HIF-1 α /VEGF signalling. <i>Scientific Reports</i> , 2017, 7, 12651.	3.3	81

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19	Isothiocyanates induce cell cycle arrest, apoptosis and mitochondrial potential depolarization in HL-60 and multidrug-resistant cell lines. <i>Anticancer Research</i> , 2005, 25, 3375-86.	1.1	80
20	Sulforaphane, Erucin, and Iberin Up-Regulate Thioredoxin Reductase 1 Expression in Human MCF-7 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 1417-1421.	5.2	79
21	Interactions between sulforaphane and apigenin in the induction of UGT1A1 and GSTA1 in CaCo-2 cells. <i>Carcinogenesis</i> , 2004, 25, 1629-1637.	2.8	76
22	Co-encapsulation of Biodegradable Nanoparticles with Silicon Quantum Dots and Quercetin for Monitored Delivery. <i>Advanced Healthcare Materials</i> , 2013, 2, 459-466.	7.6	74
23	Sulforaphane Represses Matrix-Degrading Proteases and Protects Cartilage From Destruction In Vitro and In Vivo. <i>Arthritis and Rheumatism</i> , 2013, 65, 3130-3140.	6.7	71
24	Synthesis of α -Mannose Capped Silicon Nanoparticles and Their Interactions with MCF-7 Human Breast Cancerous Cells. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 7384-7391.	8.0	67
25	Uptake and Toxicity Studies of Polyacrylic Acid Functionalized Silicon Nanoparticles in Cultured Mammalian Cells. <i>Advanced Healthcare Materials</i> , 2012, 1, 189-198.	7.6	65
26	Synthesis of water-dispersible photoluminescent silicon nanoparticles and their use in biological fluorescent imaging. <i>Journal of Nanoparticle Research</i> , 2011, 13, 405-413.	1.9	55
27	Antioxidant activities of extracts from five anti-viral medicinal plants. <i>Journal of Ethnopharmacology</i> , 2005, 96, 201-205.	4.1	54
28	Benefits and Risks of the Hormetic Effects of Dietary Isothiocyanates on Cancer Prevention. <i>PLoS ONE</i> , 2014, 9, e114764.	2.5	53
29	Reduction of thymine hydroperoxide by phospholipid hydroperoxide glutathione peroxidase and glutathione transferases. <i>FEBS Letters</i> , 1997, 410, 210-212.	2.8	52
30	Effect of Isothiocyanates on Nuclear Accumulation of NF- κ B, Nrf2, and Thioredoxin in Caco-2 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 1656-1662.	5.2	51
31	Anti-cancer activities of allyl isothiocyanate and its conjugated silicon quantum dots. <i>Scientific Reports</i> , 2018, 8, 1084.	3.3	49
32	Sulforaphane induces adipocyte browning and promotes glucose and lipid utilization. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2185-2197.	3.3	48
33	Baicalin administration attenuates hyperglycemia-induced malformation of cardiovascular system. <i>Cell Death and Disease</i> , 2018, 9, 234.	6.3	47
34	Sulforaphane Can Protect Lens Cells Against Oxidative Stress: Implications for Cataract Prevention. , 2013, 54, 5236.		46
35	Phospholipid hydroperoxide cysteine peroxidase activity of human serum albumin. <i>Biochemical Journal</i> , 1999, 338, 723-728.	3.7	39
36	Effects of Selenium Supplementation on Selenoprotein Gene Expression and Response to Influenza Vaccine Challenge: A Randomised Controlled Trial. <i>PLoS ONE</i> , 2011, 6, e14771.	2.5	37

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37	Non-canonical autophagy functions of ATG16L1 in epithelial cells limit lethal infection by influenza A virus. <i>EMBO Journal</i> , 2021, 40, e105543.	7.8	36
38	Antioxidant effects of propofol in human hepatic microsomes: concentration effects and clinical relevance. <i>British Journal of Anaesthesia</i> , 1998, 81, 584-589.	3.4	35
39	Dual Action of Sulforaphane in the Regulation of Thioredoxin Reductase and Thioredoxin in Human HepG2 and Caco-2 Cells. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 1170-1176.	5.2	34
40	Direct Separation of Hydroperoxy- and Hydroxy-Phosphatidylcholine Derivatives: Application to the Assay of Phospholipid Hydroperoxide Glutathione Peroxidase. <i>Analytical Biochemistry</i> , 1995, 224, 395-399.	2.4	33
41	Epigenetic and antioxidant effects of dietary isothiocyanates and selenium: potential implications for cancer chemoprevention. <i>Proceedings of the Nutrition Society</i> , 2012, 71, 237-245.	1.0	33
42	Serotonin Receptors, Novel Targets of Sulforaphane Identified by Proteomic Analysis in Caco-2 Cells. <i>Cancer Research</i> , 2008, 68, 5487-5491.	0.9	32
43	p38 MAPK plays a distinct role in sulforaphane-induced up-regulation of ARE-dependent enzymes and down-regulation of COX-2 in human bladder cancer cells. <i>Oncology Reports</i> , 2010, 23, 1133-8.	2.6	31
44	Sulforaphane Improves Abnormal Lipid Metabolism via Both ER-Dependent XBP1/ACC & SCD1 and ER-Independent SREBP/FAS Pathways. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700737.	3.3	29
45	The potential for dietary factors to prevent or treat osteoarthritis. <i>Proceedings of the Nutrition Society</i> , 2014, 73, 278-288.	1.0	28
46	Sulforaphane promotes ER stress, autophagy, and cell death: implications for cataract surgery. <i>Journal of Molecular Medicine</i> , 2017, 95, 553-564.	3.9	27
47	Isothiocyanates are detected in human synovial fluid following broccoli consumption and can affect the tissues of the knee joint. <i>Scientific Reports</i> , 2017, 7, 3398.	3.3	24
48	Colorectal cancer cells Caco-2 and HCT116 resist epigenetic effects of isothiocyanates and selenium in vitro. <i>European Journal of Nutrition</i> , 2013, 52, 1327-1341.	3.9	23
49	Oxidative stress and NF- κ B signaling are involved in LPS induced pulmonary dysplasia in chick embryos. <i>Cell Cycle</i> , 2018, 17, 1757-1771.	2.6	23
50	Sulforaphane Rescues Ethanol-Suppressed Angiogenesis through Oxidative and Endoplasmic Reticulum Stress in Chick Embryos. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 9522-9533.	5.2	23
51	Synergy between sulforaphane and selenium in the up-regulation of thioredoxin reductase and protection against hydrogen peroxide-induced cell death in human hepatocytes. <i>Food Chemistry</i> , 2012, 133, 300-307.	8.2	22
52	Sulforaphane Protects the Liver against CdSe Quantum Dot-Induced Cytotoxicity. <i>PLoS ONE</i> , 2015, 10, e0138771.	2.5	22
53	Synergy between sulforaphane and selenium in protection against oxidative damage in colonic CCD841 cells. <i>Nutrition Research</i> , 2015, 35, 610-617.	2.9	22
54	Sulforaphane down-regulates COX-2 expression by activating p38 and inhibiting NF- κ B-DNA-binding activity in human bladder T24 cells. <i>International Journal of Oncology</i> , 2009, 34, 1129-34.	3.3	21

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55	High Performance Liquid Chromatographic Separation of Hydroperoxy-Phospholipids and Their Corresponding Hydroxy-Phospholipid Derivatives. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1998, 21, 2061-2068.	1.0	20
56	TrxR1 and GPx2 are potently induced by isothiocyanates and selenium, and mutually cooperate to protect Caco-2 cells against free radical-mediated cell death. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2012, 1823, 1914-1924.	4.1	20
57	The Role of MicroRNAs in the Chemopreventive Activity of Sulforaphane from Cruciferous Vegetables. <i>Nutrients</i> , 2017, 9, 902.	4.1	20
58	Antioxidant effects of sulforaphane in human HepG2 cells and immortalised hepatocytes. <i>Food and Chemical Toxicology</i> , 2019, 128, 129-136.	3.6	19
59	Nanodelivery of natural isothiocyanates as a cancer therapeutic. <i>Free Radical Biology and Medicine</i> , 2021, 167, 125-140.	2.9	19
60	Anti-rheumatic effect of quercetin and recent developments in nano formulation. <i>RSC Advances</i> , 2021, 11, 7280-7293.	3.6	18
61	Phospholipid hydroperoxide cysteine peroxidase activity of human serum albumin. <i>Biochemical Journal</i> , 1999, 338, 723.	3.7	17
62	Effect of sulforaphane on cell growth, G0/G1 phase cell progression and apoptosis in human bladder cancer T24 cells. <i>International Journal of Oncology</i> , 2006, 29, 883.	3.3	16
63	Flavonoid intake and the risk of age-related cataract in China's Heilongjiang Province. <i>Food and Nutrition Research</i> , 2015, 59, 29564.	2.6	15
64	Excess Imidacloprid Exposure Causes the Heart Tube Malformation of Chick Embryos. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 9078-9088.	5.2	15
65	Identifying chondroprotective diet-derived bioactives and investigating their synergism. <i>Scientific Reports</i> , 2018, 8, 17173.	3.3	14
66	Chemopreventive Activities of Sulforaphane and Its Metabolites in Human Hepatoma HepG2 Cells. <i>Nutrients</i> , 2018, 10, 585.	4.1	14
67	Synergy between broccoli sprout extract and selenium in the upregulation of thioredoxin reductase in human hepatocytes. <i>Food Chemistry</i> , 2008, 110, 193-198.	8.2	13
68	Selenium Biomarkers in Prostate Cancer Cell Lines and Influence of Selenium on Invasive Potential of PC3 Cells. <i>Frontiers in Oncology</i> , 2013, 3, 239.	2.8	13
69	Effect of phytochemicals on phase II enzyme expression in infant human primary skin fibroblast cells. <i>British Journal of Nutrition</i> , 2012, 108, 2158-2165.	2.3	12
70	Gut microbial composition changes in bladder cancer patients: A case-control study in Harbin, China. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2020, 29, 395-403.	0.4	12
71	N-Acetylcysteine Suppresses LPS-Induced Pathological Angiogenesis. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 2483-2495.	1.6	11
72	3 Phospholipid hydroperoxide glutathione peroxidase activity of rat class Theta glutathione transferase T2-2. <i>Biochemical Society Transactions</i> , 1997, 25, S559-S559.	3.4	10

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73	Atg7-Mediated Autophagy Is Involved in the Neural Crest Cell Generation in Chick Embryo. <i>Molecular Neurobiology</i> , 2018, 55, 3523-3536.	4.0	10
74	Gut microbiota-derived endotoxin enhanced the incidence of cardia bifida during cardiogenesis. <i>Journal of Cellular Physiology</i> , 2018, 233, 9271-9283.	4.1	10
75	Role of nuclear factor- κ B pathway in the transition of mouse secondary follicles to antral follicles. <i>Journal of Cellular Physiology</i> , 2019, 234, 22565-22580.	4.1	10
76	Differential effects of sulforaphane in regulation of angiogenesis in a co-culture model of endothelial cells and pericytes. <i>Oncology Reports</i> , 2017, 37, 2905-2912.	2.6	8
77	The Inhibitory Effect of Sulforaphane on Bladder Cancer Cell Depends on GSH Depletion-Induced by Nrf2 Translocation. <i>Molecules</i> , 2021, 26, 4919.	3.8	8
78	1 Phospholipid Hydroperoxide Peroxidase Activities in Erythrocytes. <i>Biochemical Society Transactions</i> , 1997, 25, S557-S557.	3.4	7
79	$\hat{\Gamma}$ -Tocopherol enhances the peroxidase activity of hemoglobin on phospholipid hydroperoxide. <i>Redox Report</i> , 1997, 3, 325-330.	4.5	7
80	Effects of MEK1 and PI3K inhibitors on allyl-, benzyl- and phenylethyl-isothiocyanate-induced G2/M arrest and cell death in Caco-2 cells. <i>International Journal of Oncology</i> , 2005, 27, 1449.	3.3	7
81	Can sulforaphane prevent the onset or slow the progression of osteoarthritis?. <i>Nutrition Bulletin</i> , 2016, 41, 175-179.	1.8	7
82	High salt-induced excess reactive oxygen species production resulted in heart tube malformation during gastrulation. <i>Journal of Cellular Physiology</i> , 2018, 233, 7120-7133.	4.1	7
83	Nano-sulforaphane attenuates PhIP-induced early abnormal embryonic neuro-development. <i>Annals of Anatomy</i> , 2021, 233, 151617.	1.9	6
84	Effects of MEK1 and PI3K inhibitors on allyl-, benzyl- and phenylethyl-isothiocyanate-induced G2/M arrest and cell death in Caco-2 cells. <i>International Journal of Oncology</i> , 2005, 27, 1449-58.	3.3	6
85	Biphasic effect of sulforaphane on angiogenesis in hypoxia <i>via</i> modulation of both Nrf2 and mitochondrial dynamics. <i>Food and Function</i> , 2022, 13, 2884-2898.	4.6	5
86	Ethanol exposure leads to disorder of blood island formation in early chick embryo. <i>Reproductive Toxicology</i> , 2017, 73, 96-104.	2.9	4
87	The $\hat{\Gamma}$ -adrenergic receptor is involved in hepcidin upregulation induced by adrenaline and norepinephrine via the STAT3 pathway. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 5517-5527.	2.6	4
88	Benzyl Isothiocyanate Induces Apoptosis and Inhibits Tumor Growth in Canine Mammary Carcinoma via Downregulation of the Cyclin B1/Cdk1 Pathway. <i>Frontiers in Veterinary Science</i> , 2020, 7, 580530.	2.2	4
89	Synthesis and characterisation of isothiocyanate functionalised silicon nanoparticles and their uptake in cultured colonic cells. <i>Faraday Discussions</i> , 2020, 222, 332-349.	3.2	4
90	The peroxidase activity of glutathione S-transferase A1-1 on hydroperoxy-phospholipids. <i>Biochemical Society Transactions</i> , 1996, 24, 462S-462S.	3.4	2

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91	Nutritional Genomics. Oxidative Stress and Disease, 2004, , 1-23.	0.3	1
92	2 Regulation of phospholipase A2 gene expression by tumour necrosis factor $\hat{\pm}$ in human HepG2 cells. Biochemical Society Transactions, 1997, 25, S558-S558.	3.4	0
93	Selenium-dependent Phospholipid Hydroperoxide Glutathione Peroxidase Protects Against Lipid, Protein and DNA Damage. , 2000, , 245-248.		0
94	Isothiocyanates from the habitual diet are potential chondroprotective agents. Osteoarthritis and Cartilage, 2012, 20, S141-S142.	1.3	0
95	Revealing histological and morphological features of female reproductive system in tree shrew (Tupaia belangeri). Zoomorphology, 2018, 137, 191-199.	0.8	0
96	Phytochemicals Protect Against Heterocyclic Amine-Induced DNA Adduct Formation. Oxidative Stress and Disease, 2004, , 143-162.	0.3	0