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	Biphasic effect of sulforaphane on angiogenesis in hypoxia via modulation of both Nrf2 and mitochondrial dynamics. Food and Function, 2022, 13, 2884-2898.	4.6	5
2	Nano-sulforaphane attenuates PhIP-induced early abnormal embryonic neuro-development. Annals of Anatomy, 2021, 233, 151617.	1.9	6
3	Anti-rheumatic effect of quercetin and recent developments in nano formulation. RSC Advances, 2021, 11, 7280-7293.	3.6	18
4	Nonâ€canonical autophagy functions of ATG16L1 in epithelial cells limit lethal infection by influenza A virus. EMBO Journal, 2021, 40, e105543.	7.8	36
5	Nanodelivery of natural isothiocyanates as a cancer therapeutic. Free Radical Biology and Medicine, 2021, 167, 125-140.	2.9	19
6	The Inhibitory Effect of Sulforaphane on Bladder Cancer Cell Depends on GSH Depletion-Induced by Nrf2 Translocation. Molecules, 2021, 26, 4919.	3.8	8
7	Benzyl Isothiocyanate Induces Apoptosis and Inhibits Tumor Growth in Canine Mammary Carcinoma via Downregulation of the Cyclin B1/Cdk1 Pathway. Frontiers in Veterinary Science, 2020, 7, 580530.	2.2	4
8	Synthesis and characterisation of isothiocyanate functionalised silicon nanoparticles and their uptake in cultured colonic cells. Faraday Discussions, 2020, 222, 332-349.	3.2	4
9	Gut microbial composition changes in bladder cancer patients: A case-control study in Harbin, China. Asia Pacific Journal of Clinical Nutrition, 2020, 29, 395-403.	0.4	12
10	Sulforaphane Mediates Glutathione Depletion via Polymeric Nanoparticles to Restore Cisplatin Chemosensitivity. ACS Nano, 2019, 13, 13445-13455.	14.6	106
11	Role of nuclear factorâ€ºB pathway in the transition of mouse secondary follicles to antral follicles. Journal of Cellular Physiology, 2019, 234, 22565-22580.	4.1	10
12	Antioxidant effects of sulforaphane in human HepG2 cells and immortalised hepatocytes. Food and Chemical Toxicology, 2019, 128, 129-136.	3.6	19
13	High saltâ€induced excess reactive oxygen species production resulted in heart tube malformation during gastrulation. Journal of Cellular Physiology, 2018, 233, 7120-7133.	4.1	7
14	Anti-cancer activities of allyl isothiocyanate and its conjugated silicon quantum dots. Scientific Reports, 2018, 8, 1084.	3.3	49
15	Baicalin administration attenuates hyperglycemia-induced malformation of cardiovascular system. Cell Death and Disease, 2018, 9, 234.	6.3	47
16	The Î±1â€adrenergic receptor is involved in hepcidin upregulation induced by adrenaline and norepinephrine via the STAT3 pathway. Journal of Cellular Biochemistry, 2018, 119, 5517-5527.	2.6	4
17	Sulforaphane Improves Abnormal Lipid Metabolism via Both ERSâ€Dependent XBP1/ACC &SCD1 and ERSâ€Independent SREBP/FAS Pathways. Molecular Nutrition and Food Research, 2018, 62, e1700737.	3.3	29
18	Revealing histological and morphological features of female reproductive system in tree shrew (Tupaia belangeri). Zoomorphology, 2018, 137, 191-199.	0.8	0

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19	Atg7-Mediated Autophagy Is Involved in the Neural Crest Cell Generation in Chick Embryo. Molecular Neurobiology, 2018, 55, 3523-3536.	4.0	10
20	Gut microbiotaâ€derived endotoxin enhanced the incidence of cardia bifida during cardiogenesis. Journal of Cellular Physiology, 2018, 233, 9271-9283.	4.1	10
21	Identifying chondroprotective diet-derived bioactives and investigating their synergism. Scientific Reports, 2018, 8, 17173.	3.3	14
22	N-Acetylcysteine Suppresses LPS-Induced Pathological Angiogenesis. Cellular Physiology and Biochemistry, 2018, 49, 2483-2495.	1.6	11
23	Chemopreventive Activities of Sulforaphane and Its Metabolites in Human Hepatoma HepG2 Cells. Nutrients, 2018, 10, 585.	4.1	14
24	Oxidative stress and NF-Î²B signaling are involved in LPS induced pulmonary dysplasia in chick embryos. Cell Cycle, 2018, 17, 1757-1771.	2.6	23
25	Sulforaphane Rescues Ethanol-Suppressed Angiogenesis through Oxidative and Endoplasmic Reticulum Stress in Chick Embryos. Journal of Agricultural and Food Chemistry, 2018, 66, 9522-9533.	5.2	23
26	Sulforaphane promotes ER stress, autophagy, and cell death: implications for cataract surgery. Journal of Molecular Medicine, 2017, 95, 553-564.	3.9	27
27	Sulforaphane exerts anti-angiogenesis effects against hepatocellular carcinoma through inhibition of STAT3/HIF-1Î±/VEGF signalling. Scientific Reports, 2017, 7, 12651.	3.3	81
28	Ethanol exposure leads to disorder of blood island formation in early chick embryo. Reproductive Toxicology, 2017, 73, 96-104.	2.9	4
29	Isothiocyanates are detected in human synovial fluid following broccoli consumption and can affect the tissues of the knee joint. Scientific Reports, 2017, 7, 3398.	3.3	24
30	The Role of MicroRNAs in the Chemopreventive Activity of Sulforaphane from Cruciferous Vegetables. Nutrients, 2017, 9, 902.	4.1	20
31	Differential effects of sulforaphane in regulation of angiogenesis in a co-culture model of endothelial cells and pericytes. Oncology Reports, 2017, 37, 2905-2912.	2.6	8
32	Sulforaphane induces adipocyte browning and promotes glucose and lipid utilization. Molecular Nutrition and Food Research, 2016, 60, 2185-2197.	3.3	48
33	Excess Imidacloprid Exposure Causes the Heart Tube Malformation of Chick Embryos. Journal of Agricultural and Food Chemistry, 2016, 64, 9078-9088.	5.2	15
34	Can sulforaphane prevent the onset or slow the progression of osteoarthritis?. Nutrition Bulletin, 2016, 41, 175-179.	1.8	7
35	Paradoxical Roles of Antioxidant Enzymes: Basic Mechanisms and Health Implications. Physiological Reviews, 2016, 96, 307-364.	28.8	283
36	Flavonoid intake and the risk of age-related cataract in China's Heilongjiang Province. Food and Nutrition Research, 2015, 59, 29564.	2.6	15

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37	Sulforaphane Protects the Liver against CdSe Quantum Dot-Induced Cytotoxicity. PLoS ONE, 2015, 10, e0138771.	2.5	22
38	Synergy between sulforaphane and selenium in protection against oxidative damage in colonic CCD841 cells. Nutrition Research, 2015, 35, 610-617.	2.9	22
39	Benefits and Risks of the Hormetic Effects of Dietary Isothiocyanates on Cancer Prevention. PLoS ONE, 2014, 9, e114764.	2.5	53
40	The potential for dietary factors to prevent or treat osteoarthritis. Proceedings of the Nutrition Society, 2014, 73, 278-288.	1.0	28
41	Colorectal cancer cells Caco-2 and HCT116 resist epigenetic effects of isothiocyanates and selenium in vitro. European Journal of Nutrition, 2013, 52, 1327-1341.	3.9	23
42	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. Journal of Nutritional Biochemistry, 2013, 24, 1062-1069.	4.2	110
43	Synthesis of <scp>d</scp>-Mannose Capped Silicon Nanoparticles and Their Interactions with MCF-7 Human Breast Cancerous Cells. ACS Applied Materials & Interfaces, 2013, 5, 7384-7391.	8.0	67
44	Coâ€encapsulation of Biodegradable Nanoparticles with Silicon Quantum Dots and Quercetin for Monitored Delivery. Advanced Healthcare Materials, 2013, 2, 459-466.	7.6	74
45	Sulforaphane Represses Matrixâ€Degrading Proteases and Protects Cartilage From Destruction In Vitro and In Vivo. Arthritis and Rheumatism, 2013, 65, 3130-3140.	6.7	71
46	Selenium Biomarkers in Prostate Cancer Cell Lines and Influence of Selenium on Invasive Potential of PC3 Cells. Frontiers in Oncology, 2013, 3, 239.	2.8	13
47	Sulforaphane Can Protect Lens Cells Against Oxidative Stress: Implications for Cataract Prevention. , 2013, 54, 5236.		46
48	Effect of phytochemicals on phase II enzyme expression in infant human primary skin fibroblast cells. British Journal of Nutrition, 2012, 108, 2158-2165.	2.3	12
49	Epigenetic and antioxidant effects of dietary isothiocyanates and selenium: potential implications for cancer chemoprevention. Proceedings of the Nutrition Society, 2012, 71, 237-245.	1.0	33
50	TrxR1 and GPx2 are potently induced by isothiocyanates and selenium, and mutually cooperate to protect Caco-2 cells against free radical-mediated cell death. Biochimica Et Biophysica Acta - Molecular Cell Research, 2012, 1823, 1914-1924.	4.1	20
51	Uptake and Toxicity Studies of Polyâ€Acrylic Acid Functionalized Silicon Nanoparticles in Cultured Mammalian Cells. Advanced Healthcare Materials, 2012, 1, 189-198.	7.6	65
52	Synergy between sulforaphane and selenium in the up-regulation of thioredoxin reductase and protection against hydrogen peroxide-induced cell death in human hepatocytes. Food Chemistry, 2012, 133, 300-307.	8.2	22
53	Isothiocyanates from the habitual diet are potential chondroprotective agents. Osteoarthritis and Cartilage, 2012, 20, S141-S142.	1.3	0
54	Selenium in Human Health and Disease. Antioxidants and Redox Signaling, 2011, 14, 1337-1383.	5.4	1,003

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55	Effects of Selenium Supplementation on Selenoprotein Gene Expression and Response to Influenza Vaccine Challenge: A Randomised Controlled Trial. PLoS ONE, 2011, 6, e14771.	2.5	37
56	Synthesis of water-dispersible photoluminescent silicon nanoparticles and their use in biological fluorescent imaging. Journal of Nanoparticle Research, 2011, 13, 405-413.	1.9	55
57	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. Oncology Reports, 2010, 23, 1133-8.	2.6	31
58	Sulforaphane down-regulates COX-2 expression by activating p38 and inhibiting NF-ÎºB-DNA-binding activity in human bladder T24 cells. International Journal of Oncology, 2009, 34, 1129-34.	3.3	21
59	Synergy between broccoli sprout extract and selenium in the upregulation of thioredoxin reductase in human hepatocytes. Food Chemistry, 2008, 110, 193-198.	8.2	13
60	Serotonin Receptors, Novel Targets of Sulforaphane Identified by Proteomic Analysis in Caco-2 Cells. Cancer Research, 2008, 68, 5487-5491.	0.9	32
61	Dual Action of Sulforaphane in the Regulation of Thioredoxin Reductase and Thioredoxin in Human HepG2 and Caco-2 Cells. Journal of Agricultural and Food Chemistry, 2007, 55, 1170-1176.	5.2	34
62	Effect of Isothiocyanates on Nuclear Accumulation of NF-ÎºB, Nrf2, and Thioredoxin in Caco-2 Cells. Journal of Agricultural and Food Chemistry, 2006, 54, 1656-1662.	5.2	51
63	Effect of sulforaphane on cell growth, G0/G1 phase cell progression and apoptosis in human bladder cancer T24 cells. International Journal of Oncology, 2006, 29, 883.	3.3	16
64	Transcriptome Analysis of Human Colon Caco-2 Cells Exposed to Sulforaphane. Journal of Nutrition, 2005, 135, 1865-1872.	2.9	116
65	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. Biochemical Pharmacology, 2005, 69, 1543-1552.	4.4	172
66	Effects of MEK1 and PI3K inhibitors on allyl-, benzyl- and phenylethyl-isothiocyanate-induced G2/M arrest and cell death in Caco-2 cells. International Journal of Oncology, 2005, 27, 1449.	3.3	7
67	Sulforaphane, Erucin, and Iberin Up-Regulate Thioredoxin Reductase 1 Expression in Human MCF-7 Cells. Journal of Agricultural and Food Chemistry, 2005, 53, 1417-1421.	5.2	79
68	Antioxidant activities of extracts from five anti-viral medicinal plants. Journal of Ethnopharmacology, 2005, 96, 201-205.	4.1	54
69	Isothiocyanates induce cell cycle arrest, apoptosis and mitochondrial potential depolarization in HL-60 and multidrug-resistant cell lines. Anticancer Research, 2005, 25, 3375-86.	1.1	80
70	Effects of MEK1 and PI3K inhibitors on allyl-, benzyl- and phenylethyl-isothiocyanate-induced G2/M arrest and cell death in Caco-2 cells. International Journal of Oncology, 2005, 27, 1449-58.	3.3	6
71	Interactions between sulforaphane and apigenin in the induction of UGT1A1 and GSTA1 in CaCo-2 cells. Carcinogenesis, 2004, 25, 1629-1637.	2.8	76
72	Effect of flavonoids and Vitamin E on cyclooxygenase-2 (COX-2) transcription. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2004, 551, 245-254.	1.0	264

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73	Isolation, identification and stability of acylated derivatives of apigenin 7-O-glucoside from chamomile (Chamomilla recutita [L.] Rauschert). Phytochemistry, 2004, 65, 2323-2332.	2.9	164
74	Nano red elemental selenium has no size effect in the induction of seleno-enzymes in both cultured cells and mice. Life Sciences, 2004, 75, 237-244.	4.3	133
75	Quercetin Metabolites Downregulate Cyclooxygenase-2 Transcription in Human Lymphocytes Ex Vivo but Not In Vivo. Journal of Nutrition, 2004, 134, 552-557.	2.9	84
76	Nutritional Genomics. Oxidative Stress and Disease, 2004, , 1-23.	0.3	1
77	Phytochemlcals Protect Against Heterocyclic Amine-Induced DNA Adduct Formation. Oxidative Stress and Disease, 2004, , 143-162.	0.3	0
78	Synergy between sulforaphane and selenium in the induction of thioredoxin reductase 1 requires both transcriptional and translational modulation. Carcinogenesis, 2003, 24, 497-503.	2.8	88
79	ABSORPTION/METABOLISM OF SULFORAPHANE AND QUERCETIN, AND REGULATION OF PHASE II ENZYMES, IN HUMAN JEJUNUM IN VIVO. Drug Metabolism and Disposition, 2003, 31, 805-813.	3.3	199
80	Sulforaphane and quercetin modulate PhIP-DNA adduct formation in human HepG2 cells and hepatocytes. Carcinogenesis, 2003, 24, 1903-1911.	2.8	101
81	Sulforaphane and its glutathione conjugate but not sulforaphane nitrile induce UDP-glucuronosyl transferase (UGT1A1) and glutathione transferase (GSTA1) in cultured cells. Carcinogenesis, 2002, 23, 1399-1404.	2.8	135
82	Biological effects of a nano red elemental selenium. BioFactors, 2001, 15, 27-38.	5.4	436
83	Selenium-dependent Phospholipid Hydroperoxide Glutathione Peroxidase Protects Against Lipid, Protein and DNA Damage. , 2000, , 245-248.		0
84	Conjugation position of quercetin glucuronides and effect on biological activity. Free Radical Biology and Medicine, 2000, 29, 1234-1243.	2.9	317
85	Phospholipid hydroperoxide cysteine peroxidase activity of human serum albumin. Biochemical Journal, 1999, 338, 723-728.	3.7	39
86	Phospholipid hydroperoxide cysteine peroxidase activity of human serum albumin. Biochemical Journal, 1999, 338, 723.	3.7	17
87	High Performance Liquid Chromatographic Separation of Hydroperoxy-Phospholipids and Their Corresponding Hydroxy-Phospholipid Derivatives. Journal of Liquid Chromatography and Related Technologies, 1998, 21, 2061-2068.	1.0	20
88	Antioxidant effects of propofol in human hepatic microsomes: concentration effects and clinical relevance. British Journal of Anaesthesia, 1998, 81, 584-589.	3.4	35
89	Phospholipid hydroperoxide glutathione peroxidase activity of human glutathione transferases. Biochemical Journal, 1998, 332, 97-100.	3.7	145
90	1 Phospholipid Hydroperoxide Peroxidase Activities in Erythrocytes. Biochemical Society Transactions, 1997, 25, S557-S557.	3.4	7

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91	2 Regulation of phospholipase A2 gene expression by tumour necrosis factor Î± in human HepG2 cells. Biochemical Society Transactions, 1997, 25, S558-S558.	3.4	0
92	3 Phospholipid hydroperoxide glutathione peroxidase activity of rat class Theta glutathione transferase T2-2. Biochemical Society Transactions, 1997, 25, S559-S559.	3.4	10
93	Î±-Tocopherol enhances the peroxidase activity of hemoglobin on phospholipid hydroperoxide. Redox Report, 1997, 3, 325-330.	4.5	7
94	Reduction of thymine hydroperoxide by phospholipid hydroperoxide glutathione peroxidase and glutathione transferases. FEBS Letters, 1997, 410, 210-212.	2.8	52
95	The peroxidase activity of glutathione S-transferase A1-1 on hydroperoxy-phospholipids. Biochemical Society Transactions, 1996, 24, 462S-462S.	3.4	2
96	Direct Separation of Hydroperoxy- and Hydroxy-Phosphatidylcholine Derivatives: Application to the Assay of Phospholipid Hydroperoxide Glutathione Peroxidase. Analytical Biochemistry, 1995, 224, 395-399.	2.4	33