JiÅÃ- Vrba

List of Publications by Year
in descending order

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42 papers	1,247 citations	361413 20 h-index	361022 35 g-index
43 all docs	43 docs citations	43 times ranked	1993 citing authors

#	Article	IF	Citations
1	Effect of the flavonoids quercetin and taxifolin on UVA-induced damage to human primary skin keratinocytes and fibroblasts. Photochemical and Photobiological Sciences, 2022, 21, 59-75.	2.9	6
2	Diaminocyclopentane-derived O-GlcNAcase inhibitors for combating tau hyperphosphorylation in Alzheimer's disease. Chemical Communications, 2022, 58, 8838-8841.	4.1	4
3	Cysteamine assay for the evaluation of bioactive electrophiles. Free Radical Biology and Medicine, 2021, 164, 381-389.	2.9	5
4	Metabolism of 2,3-Dehydrosilybin A and 2,3-Dehydrosilybin B: A Study with Human Hepatocytes and Recombinant UDP-Glucuronosyltransferases and Sulfotransferases. Antioxidants, 2021, 10, 954.	5.1	3
5	Cubosomal lipid formulation of nitroalkene fatty acids: Preparation, stability and biological effects. Redox Biology, 2021, 46, 102097.	9.0	5
6	Identification of UDP-glucuronosyltransferases involved in the metabolism of silymarin flavonolignans. Journal of Pharmaceutical and Biomedical Analysis, 2020, 178, 112972.	2.8	11
7	Effect of UVA radiation on the Nrf2 signalling pathway in human skin cells. Journal of Photochemistry and Photobiology B: Biology, 2020, 209, 111948.	3.8	28
8	Identification of Human Sulfotransferases Active towards Silymarin Flavonolignans and Taxifolin. Metabolites, 2020, 10, 329.	2.9	10
9	Diferulate: A highly effective electron donor. Journal of Electroanalytical Chemistry, 2020, 869, 113950.	3.8	3
10	Cytotoxicity of hexahelicene and its effect on the aryl hydrocarbon receptor pathway. Toxicology in Vitro, 2019, 57, 105-109.	2.4	3
11	Metabolism of flavonolignans in human hepatocytes. Journal of Pharmaceutical and Biomedical Analysis, 2018, 152, 94-101.	2.8	20
12	ABC Transporters and Their Role in the Neoadjuvant Treatment of Esophageal Cancer. International Journal of Molecular Sciences, 2018, 19, 868.	4.1	21
13	Sulfated Metabolites of Flavonolignans and 2,3-Dehydroflavonolignans: Preparation and Properties. International Journal of Molecular Sciences, 2018, 19, 2349.	4.1	23
14	Flavonolignan 2,3-dehydrosilydianin activates Nrf2 and upregulates NAD(P)H:quinone oxidoreductase 1 in Hepa1c1c7 cells. FÃ¬toterapÃ¬Ã¢, 2017, 119, 115-120.	2.2	34
15	Novel flavonolignan hybrid antioxidants: From enzymatic preparation to molecular rationalization. European Journal of Medicinal Chemistry, 2017, 127, 263-274.	5.5	25
16	Protective effect of isoquercitrin against acute dextran sulfate sodium-induced rat colitis depends on the severity of tissue damage. Pharmacological Reports, 2016, 68, 1197-1204.	3.3	18
17	Semisynthetic flavonoid 7-O-galloylquercetin activates Nrf2 andÂinduces Nrf2-dependent gene expression in RAW264.7 andÂHepa1c1c7 cells. Chemico-Biological Interactions, 2016, 260, 58-66.	4.0	12
18	Flavonolignan 2,3-dehydroderivatives: Preparation, antiradical and cytoprotective activity. Free Radical Biology and Medicine, 2016, 90, 114-125.	2.9	72

#	ARTICLE	IF	CITATIONS
19	Sulfation modulates the cell uptake, antiradical activity and biological effects of flavonoids in vitro: An examination of quercetin, isoquercitrin and taxifolin. Bioorganic and Medicinal Chemistry, 2015, 23, 5402-5409.	3.0	35
20	Metabolism of palmatine by human hepatocytes and recombinant cytochromes P450. Journal of Pharmaceutical and Biomedical Analysis, 2015, 102, 193-198.	2.8	20
21	Isoquercitrin: Pharmacology, toxicology, and metabolism. Food and Chemical Toxicology, 2014, 68, 267-282.	3.6	317
22	Electrochemical oxidation of proteins using ionic liquids as solubilizers, adsorption solvents and electrolytes. Electrochimica Acta, 2014, 126, 31-36.	5.2	10
23	Investigation of protein FTT1103 electroactivity using carbon and mercury electrodes. Surface-inhibition approach for disulfide oxidoreductases using silver amalgam powder. Analytica Chimica Acta, 2014, 830, 23-31.	5.4	11
24	Palmatine activates AhR and upregulates CYP1A activity in HepG2 cells but not in human hepatocytes. Toxicology in Vitro, 2014, 28, 693-699.	2.4	22
25	LCâ€“MS metabolic study on quercetin and taxifolin galloyl esters using human hepatocytes as toxicity and biotransformation in vitro cell model. Journal of Pharmaceutical and Biomedical Analysis, 2013, 86, 135-142.	2.8	26
26	A Novel Semisynthetic Flavonoid 7-O-Galloyltaxifolin Upregulates Heme Oxygenase-1 in RAW264.7 Cells via MAPK/Nrf2 Pathway. Journal of Medicinal Chemistry, 2013, 56, 856-866.	6.4	45
27	Biotransformation of flavonols and taxifolin in hepatocyte in vitro systems as determined by liquid chromatography with various stationary phases and electrospray ionization-quadrupole time-of-flight mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2012, 899, 109-115.	2.3	27
28	Quercetin, Quercetin Glycosides and Taxifolin Differ in their Ability to Induce AhR Activation and CYP1A1 Expression in HepG2 Cells. Phytotherapy Research, 2012, 26, 1746-1752.	5.8	53
29	Induction of heme oxygenase-1 by Macleaya cordata extract and its constituent sanguinarine in RAW264.7 cells. FÃ¬toterapÃ¬Â¢, 2012, 83, 329-335.	2.2	34
30	Protopine and allocryptopine increase mRNA levels of cytochromes P450 1A in human hepatocytes and HepG2 cells independently of AhR. Toxicology Letters, 2011, 203, 135-141.	0.8	43
31	HDAC INHIBITORS SODIUM BUTYRATE AND SODIUM VALPROATE DO NOT AFFECT HUMAN NCOR1 AND NCOR2 GENE EXPRESSION IN HL-60 CELLS. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2011, 155, 259-262.	0.6	12
32	Neutrophilic differentiation modulates the apoptotic response of HL-60 cells to sodium butyrate and sodium valproate. Neoplasma, 2010, 57, 438-448.	1.6	5
33	Cytotoxic activity of sanguinarine and dihydrosanguinarine in human promyelocytic leukemia HL-60 cells. Toxicology in Vitro, 2009, 23, 580-588.	2.4	61
34	Conventional protein kinase C isoenzymes undergo dephosphorylation in neutrophil-like HL-60 cells treated by chelerythrine or sanguinarine. Cell Biology and Toxicology, 2008, 24, 39-53.	5.3	30
35	Chelerythrine and dihydrochelerythrine induce G1 phase arrest and bimodal cell death in human leukemia HL-60 cells. Toxicology in Vitro, 2008, 22, 1008-1017.	2.4	61
36	Electrochemistry of Benzophenanthridine Alkaloids. Formation and Characterization of Redox Active Films from Products of Sanguinarine and Chelerythrine Oxidation. Electroanalysis, 2005, 17, 2175-2181.	2.9	9

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37	Sanguinarine activates polycyclic aromatic hydrocarbon associated metabolic pathways in human oral keratinocytes and tissues. Toxicology Letters, 2005, 158, 164-165.	0.8	7
38	Sanguinarine is a potent inhibitor of oxidative burst in DMSO-differentiated HL-60 cells by a non-redox mechanism. Chemico-Biological Interactions, 2004, 147, 35-47.	4.0	25
39	Involvement of cytochrome P450 1A in sanguinarine detoxication. Toxicology Letters, 2004, 151, 375-387.	0.8	39
40	N-FORMYL-MET-LEU-PHE-INDUCED OXIDATIVE BURST IN DMSO-DIFFERENTIATED HL-60 CELLS REQUIRES ACTIVE HSP90, BUT NOT INTACT MICROTUBULES. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2004, 148, 141-144.	0.6	2
41	N-formyl-Met-Leu-Phe-induced oxidative burst in DMSO-differentiated HL-60 cells requires active Hsp90, but not intact microtubules. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2004, 148, 141-4.	0.6	1
42	Oxidative burst of Kupffer cells: target for liver injury treatment.. Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia, 2002, 146, 15-20.	0.6	49