

Jiřň- Vrba

List of Publications by Year in descending order

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42
papers

1,247
citations

361413

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h-index

361022

35
g-index

43
all docs

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docs citations

43
times ranked

1993
citing authors

#	ARTICLE	IF	CITATIONS
1	Isoquercitrin: Pharmacology, toxicology, and metabolism. <i>Food and Chemical Toxicology</i> , 2014, 68, 267-282.	3.6	317
2	Flavonolignan 2,3-dehydroderivatives: Preparation, antiradical and cytoprotective activity. <i>Free Radical Biology and Medicine</i> , 2016, 90, 114-125.	2.9	72
3	Chelerythrine and dihydrochelerythrine induce G1 phase arrest and bimodal cell death in human leukemia HL-60 cells. <i>Toxicology in Vitro</i> , 2008, 22, 1008-1017.	2.4	61
4	Cytotoxic activity of sanguinarine and dihydrosanguinarine in human promyelocytic leukemia HL-60 cells. <i>Toxicology in Vitro</i> , 2009, 23, 580-588.	2.4	61
5	Quercetin, Quercetin Glycosides and Taxifolin Differ in their Ability to Induce AhR Activation and CYP1A1 Expression in HepG2 Cells. <i>Phytotherapy Research</i> , 2012, 26, 1746-1752.	5.8	53
6	Oxidative burst of Kupffer cells: target for liver injury treatment.. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;, Olomouc, Czechoslovakia</i> , 2002, 146, 15-20.	0.6	49
7	A Novel Semisynthetic Flavonoid 7-<i>Galloyltaxifolin Upregulates Heme Oxygenase-1 in RAW264.7 Cells via MAPK/Nrf2 Pathway. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 856-866.	6.4	45
8	Protopine and allocryptopine increase mRNA levels of cytochromes P450 1A in human hepatocytes and HepG2 cells independently of AhR. <i>Toxicology Letters</i> , 2011, 203, 135-141.	0.8	43
9	Involvement of cytochrome P450 1A in sanguinarine detoxication. <i>Toxicology Letters</i> , 2004, 151, 375-387.	0.8	39
10	Sulfation modulates the cell uptake, antiradical activity and biological effects of flavonoids in vitro: An examination of quercetin, isoquercitrin and taxifolin. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 5402-5409.	3.0	35
11	Induction of heme oxygenase-1 by <i>Macleaya cordata</i> extract and its constituent sanguinarine in RAW264.7 cells. <i>F&A-toterap&A-c</i> , 2012, 83, 329-335.	2.2	34
12	Flavonolignan 2,3-dehydrosilydianin activates Nrf2 and upregulates NAD(P)H:quinone oxidoreductase 1 in Hepa1c1c7 cells. <i>F&A-toterap&A-c</i> , 2017, 119, 115-120.	2.2	34
13	Conventional protein kinase C isoenzymes undergo dephosphorylation in neutrophil-like HL-60 cells treated by chelerythrine or sanguinarine. <i>Cell Biology and Toxicology</i> , 2008, 24, 39-53.	5.3	30
14	Effect of UVA radiation on the Nrf2 signalling pathway in human skin cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2020, 209, 111948.	3.8	28
15	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. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2012, 899, 109-115.	2.3	27
16	LC&A-cMS metabolic study on quercetin and taxifolin galloyl esters using human hepatocytes as toxicity and biotransformation in vitro cell model. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2013, 86, 135-142.	2.8	26
17	Sanguinarine is a potent inhibitor of oxidative burst in DMSO-differentiated HL-60 cells by a non-redox mechanism. <i>Chemico-Biological Interactions</i> , 2004, 147, 35-47.	4.0	25
18	Novel flavonolignan hybrid antioxidants: From enzymatic preparation to molecular rationalization. <i>European Journal of Medicinal Chemistry</i> , 2017, 127, 263-274.	5.5	25

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19	Sulfated Metabolites of Flavonolignans and 2,3-Dehydroflavonolignans: Preparation and Properties. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2349.	4.1	23
20	Palmitine activates AhR and upregulates CYP1A activity in HepG2 cells but not in human hepatocytes. <i>Toxicology in Vitro</i> , 2014, 28, 693-699.	2.4	22
21	ABC Transporters and Their Role in the Neoadjuvant Treatment of Esophageal Cancer. <i>International Journal of Molecular Sciences</i> , 2018, 19, 868.	4.1	21
22	Metabolism of palmitine by human hepatocytes and recombinant cytochromes P450. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 102, 193-198.	2.8	20
23	Metabolism of flavonolignans in human hepatocytes. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 152, 94-101.	2.8	20
24	Protective effect of isoquercitrin against acute dextran sulfate sodium-induced rat colitis depends on the severity of tissue damage. <i>Pharmacological Reports</i> , 2016, 68, 1197-1204.	3.3	18
25	Semisynthetic flavonoid 7-O-galloylquercetin activates Nrf2 and induces Nrf2-dependent gene expression in RAW264.7 and Hepa1c1c7 cells. <i>Chemico-Biological Interactions</i> , 2016, 260, 58-66.	4.0	12
26	HDAC INHIBITORS SODIUM BUTYRATE AND SODIUM VALPROATE DO NOT AFFECT HUMAN NCOR1 AND NCOR2 GENE EXPRESSION IN HL-60 CELLS. <i>Biomedical Papers of the Medical Faculty of the University Palacky&#x0301;</i> , Olomouc, Czechoslovakia, 2011, 155, 259-262.	0.6	12
27	Investigation of protein FTT1103 electroactivity using carbon and mercury electrodes. Surface-inhibition approach for disulfide oxidoreductases using silver amalgam powder. <i>Analytica Chimica Acta</i> , 2014, 830, 23-31.	5.4	11
28	Identification of UDP-glucuronosyltransferases involved in the metabolism of silymarin flavonolignans. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 178, 112972.	2.8	11
29	Electrochemical oxidation of proteins using ionic liquids as solubilizers, adsorption solvents and electrolytes. <i>Electrochimica Acta</i> , 2014, 126, 31-36.	5.2	10
30	Identification of Human Sulfotransferases Active towards Silymarin Flavonolignans and Taxifolin. <i>Metabolites</i> , 2020, 10, 329.	2.9	10
31	Electrochemistry of Benzophenanthridine Alkaloids. Formation and Characterization of Redox Active Films from Products of Sanguinarine and Chelerythrine Oxidation. <i>Electroanalysis</i> , 2005, 17, 2175-2181.	2.9	9
32	Sanguinarine activates polycyclic aromatic hydrocarbon associated metabolic pathways in human oral keratinocytes and tissues. <i>Toxicology Letters</i> , 2005, 158, 164-165.	0.8	7
33	Effect of the flavonoids quercetin and taxifolin on UVA-induced damage to human primary skin keratinocytes and fibroblasts. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 59-75.	2.9	6
34	Cysteamine assay for the evaluation of bioactive electrophiles. <i>Free Radical Biology and Medicine</i> , 2021, 164, 381-389.	2.9	5
35	Cubosomal lipid formulation of nitroalkene fatty acids: Preparation, stability and biological effects. <i>Redox Biology</i> , 2021, 46, 102097.	9.0	5
36	Neutrophilic differentiation modulates the apoptotic response of HL-60 cells to sodium butyrate and sodium valproate. <i>Neoplasma</i> , 2010, 57, 438-448.	1.6	5

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37	Diaminocyclopentane-derived <i>O</i> -GlcNAcase inhibitors for combating tau hyperphosphorylation in Alzheimer's disease. <i>Chemical Communications</i> , 2022, 58, 8838-8841.	4.1	4
38	Cytotoxicity of hexahelicene and its effect on the aryl hydrocarbon receptor pathway. <i>Toxicology in Vitro</i> , 2019, 57, 105-109.	2.4	3
39	Diferulate: A highly effective electron donor. <i>Journal of Electroanalytical Chemistry</i> , 2020, 869, 113950.	3.8	3
40	Metabolism of 2,3-Dehydrosilybin A and 2,3-Dehydrosilybin B: A Study with Human Hepatocytes and Recombinant UDP-Glucuronosyltransferases and Sulfotransferases. <i>Antioxidants</i> , 2021, 10, 954.	5.1	3
41	N-FORMYL-MET-LEU-PHE-INDUCED OXIDATIVE BURST IN DMSO-DIFFERENTIATED HL-60 CELLS REQUIRES ACTIVE HSP90, BUT NOT INTACT MICROTUBULES. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> , 2004, 148, 141-144.	0.6	2
42	N-formyl-Met-Leu-Phe-induced oxidative burst in DMSO-differentiated HL-60 cells requires active Hsp90, but not intact microtubules. <i>Biomedical Papers of the Medical Faculty of the University Palacký&#x0301;, Olomouc, Czechoslovakia</i> , 2004, 148, 141-4.	0.6	1