Burkhard Hinz

List of Publications by Year
in descending order

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70 papers	3,705 citations	117625 34 h-index	128289 60 g-index
70 all docs	70 docs citations	70 times ranked	3799 citing authors

#	Article	IF	Citations
1	Cyclooxygenase-2â€”10 Years Later. Journal of Pharmacology and Experimental Therapeutics, 2002, 300, 367-375.	2.5	445
2	Acetaminophen (paracetamol) is a selective cyclooxygenaseâ€2 inhibitor in man. FASEB Journal, 2008, 22, 383-390.	0.5	380
3	Inhibition of Cancer Cell Invasion by Cannabinoids via Increased Expression of Tissue Inhibitor of Matrix Metalloproteinases-1. Journal of the National Cancer Institute, 2008, 100, 59-69.	6.3	195
4	COX-2 and PPAR-Î³ Confer Cannabidiol-Induced Apoptosis of Human Lung Cancer Cells. Molecular Cancer Therapeutics, 2013, 12, 69-82.	4.1	169
5	Cannabidiol inhibits cancer cell invasion via upregulation of tissue inhibitor of matrix metalloproteinases-1. Biochemical Pharmacology, 2010, 79, 955-966.	4.4	150
6	Cannabidiol inhibits lung cancer cell invasion and metastasisviaintercellular adhesion moleculeâ€1. FASEB Journal, 2012, 26, 1535-1548.	0.5	138
7	Dipyrone elicits substantial inhibition of peripheral cyclooxygenases in humans: new insights into the pharmacology of an old analgesic. FASEB Journal, 2007, 21, 2343-2351.	0.5	114
8	Antiâ€tumour actions of cannabinoids. British Journal of Pharmacology, 2019, 176, 1384-1394.	5.4	105
9	Paracetamol and cyclooxygenase inhibition: is there a cause for concern?. Annals of the Rheumatic Diseases, 2012, 71, 20-25.	0.9	94
10	Up-Regulation of Cyclooxygenase-2 Expression Is Involved in R(+)-Methanandamide-Induced Apoptotic Death of Human Neuroglioma Cells. Molecular Pharmacology, 2004, 66, 1643-1651.	2.3	88
11	Cyclooxygenase-2 Expression in Lipopolysaccharide-Stimulated Human Monocytes Is Modulated by Cyclic AMP, Prostaglandin E2, and Nonsteroidal Anti-inflammatory Drugs. Biochemical and Biophysical Research Communications, 2000, 278, 790-796.	2.1	80
12	Cannabinoids increase lung cancer cell lysis by lymphokine-activated killer cells via upregulation of ICAM-1. Biochemical Pharmacology, 2014, 92, 312-325.	4.4	79
13	Celecoxib inhibits metabolism of cytochrome P450 2D6 substrate metoprolol in humans. Clinical Pharmacology and Therapeutics, 2003, 74, 130-137.	4.7	74
14	Decrease of Plasminogen Activator Inhibitor-1 May Contribute to the Anti-Invasive Action of Cannabidiol on Human Lung Cancer Cells. Pharmaceutical Research, 2010, 27, 2162-2174.	3.5	74
15	Antitumorigenic Effects of Cannabinoids beyond Apoptosis. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 336-344.	2.5	67
16	Cannabinoids as Anticancer Drugs. Advances in Pharmacology, 2017, 80, 397-436.	2.0	58
17	Ceramide Is Involved in R(+)-Methanandamide-Induced Cyclooxygenase-2 Expression in Human Neuroglioma Cells. Molecular Pharmacology, 2003, 64, 1189-1198.	2.3	57
18	Increase of mesenchymal stem cell migration by cannabidiol via activation of p42/44 MAPK. Biochemical Pharmacology, 2014, 87, 489-501.	4.4	57

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19	Modulation of the Endocannabinoid System as a Potential Anticancer Strategy. Frontiers in Pharmacology, 2019, 10, 430.	3.5	56
20	Latanoprost induces matrix metalloproteinaseâ€1 expression in human nonpigmented ciliary epithelial cells through a cyclooxygenaseâ€2â€dependent mechanism. FASEB Journal, 2005, 19, 1929-1931.	0.5	54
21	Fatty acid amide hydrolase inhibitors confer anti-invasive and antimetastatic effects on lung cancer cells. Oncotarget, 2016, 7, 15047-15064.	1.8	54
22	Aceclofenac spares cyclooxygenase 1 as a result of limited but sustained biotransformation to diclofenac. Clinical Pharmacology and Therapeutics, 2003, 74, 222-235.	4.7	53
23	Cannabinoids inhibit angiogenic capacities of endothelial cells via release of tissue inhibitor of matrix metalloproteinases-1 from lung cancer cells. Biochemical Pharmacology, 2014, 91, 202-216.	4.4	52
24	Alkamides from Echinacea inhibit cyclooxygenase-2 activity in human neuroglioma cells. Biochemical and Biophysical Research Communications, 2007, 360, 441-446.	2.1	49
25	Cannabinoids as anticancer drugs: current status of preclinical research. British Journal of Cancer, 2022, 127, 1-13.	6.4	49
26	More pronounced inhibition of cyclooxygenase 2, increase in blood pressure, and reduction of heart rate by treatment with diclofenac compared with celecoxib and rofecoxib. Arthritis and Rheumatism, 2006, 54, 282-291.	6.7	48
27	Drug Insight: cyclo-oxygenase-2 inhibitorsâ€"a critical appraisal. Nature Clinical Practice Rheumatology, 2007, 3, 552-560.	3.2	46
28	Prostaglandin E2 induces cyclooxygenase-2 expression in human non-pigmented ciliary epithelial cells through activation of p38 and p42/44 mitogen-activated protein kinases. Biochemical and Biophysical Research Communications, 2005, 338, 1171-1178.	2.1	44
29	R(+)-Methanandamide-Induced Apoptosis of Human Cervical Carcinoma Cells Involves A Cyclooxygenase-2-Dependent Pathway. Pharmaceutical Research, 2009, 26, 346-355.	3.5	44
30	Lovastatin lactone elicits human lung cancer cell apoptosis via a COX-2/PPARÎ³-dependent pathway. Oncotarget, 2016, 7, 10345-10362.	1.8	44
31	R(+)-Methanandamide Induces Cyclooxygenase-2 Expression in Human Neuroglioma Cells via a Non-cannabinoid Receptor-Mediated Mechanism. Biochemical and Biophysical Research Communications, 2001, 286, 1144-1152.	2.1	42
32	R(+)-Methanandamide and Other Cannabinoids Induce the Expression of Cyclooxygenase-2 and Matrix Metalloproteinases in Human Nonpigmented Ciliary Epithelial Cells. Journal of Pharmacology and Experimental Therapeutics, 2006, 316, 1219-1228.	2.5	40
33	Targeting the endocannabinoid system as a potential anticancer approach. Drug Metabolism Reviews, 2018, 50, 26-53.	3.6	37
34	Determination of the endocannabinoid anandamide in human plasma by high-performance liquid chromatography. Biomedical Chromatography, 2006, 20, 336-342.	1.7	35
35	R(+)-methanandamide-induced cyclooxygenase-2 expression in H4 human neuroglioma cells: possible involvement of membrane lipid rafts. Biochemical and Biophysical Research Communications, 2004, 324, 621-626.	2.1	31
36	Induction but not inhibition of COX-2 confers human lung cancer cell apoptosis by celecoxib. Journal of Lipid Research, 2013, 54, 3116-3129.	4.2	31

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37	Antitumorigenic targets of cannabinoids â€“ current status and implications. Expert Opinion on Therapeutic Targets, 2016, 20, 1219-1235.	3.4	31
38	Up-regulation of heme oxygenase-1 expression and inhibition of disease-associated features by cannabidiol in vascular smooth muscle cells. Oncotarget, 2018, 9, 34595-34616.	1.8	28
39	Cannabidiol Promotes Endothelial Cell Survival by Heme Oxygenase-1-Mediated Autophagy. Cells, 2020, 9, 1703.	4.1	26
40	The antiangiogenic action of cisplatin on endothelial cells is mediated through the release of tissue inhibitor of matrix metalloproteinases-1 from lung cancer cells. Oncotarget, 2018, 9, 34038-34055.	1.8	25
41	Using pharmacokinetic principles to optimize pain therapy. Nature Reviews Rheumatology, 2010, 6, 589-598.	8.0	24
42	Can drug removals involving cyclooxygenase-2 inhibitors be avoided? A plea for human pharmacology. Trends in Pharmacological Sciences, 2008, 29, 391-397.	8.7	23
43	The Monoacylglycerol Lipase Inhibitor JZL184 Inhibits Lung Cancer Cell Invasion and Metastasis via the CB1 Cannabinoid Receptor. Molecular Cancer Therapeutics, 2021, 20, 787-802.	4.1	23
44	The Endocannabinoid System as a Pharmacological Target for New Cancer Therapies. Cancers, 2021, 13, 5701.	3.7	23
45	Aspirin and acetaminophen: Should they be available over the counter?. Current Rheumatology Reports, 2009, 11, 36-40.	4.7	21
46	A simple method for simultaneous determination of N-arachidonoylethanolamine, N-oleoylethanolamine, N-palmitoylethanolamine and 2-arachidonoylglycerol in human cells. Analytical and Bioanalytical Chemistry, 2015, 407, 1781-1787.	3.7	21
47	Celecoxib increases lung cancer cell lysis by lymphokine-activated killer cells via upregulation of ICAM-1. Oncotarget, 2015, 6, 39342-39356.	1.8	20
48	Cyclooxygenase-2 and tissue inhibitor of matrix metalloproteinases-1 confer the antimigratory effect of cannabinoids on human trabecular meshwork cells. Biochemical Pharmacology, 2010, 80, 846-857.	4.4	19
49	Synthesis of Thiaâ€Analogous Indirubin Nâ€Glycosides and their Influence on Melanoma Cell Growth and Apoptosis. ChemMedChem, 2010, 5, 534-539.	3.2	19
50	Differential effects of endogenous, phyto and synthetic cannabinoids on thrombogenesis and platelet activity. BioFactors, 2016, 42, 581-590.	5.4	16
51	New Insights into Antimetastatic and Antiangiogenic Effects of Cannabinoids. International Review of Cell and Molecular Biology, 2015, 314, 43-116.	3.2	15
52	A simple LC-MS/MS method for the simultaneous quantification of endocannabinoids in biological samples. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1161, 122371.	2.3	15
53	Small Molecules in the Treatment of Squamous Cell Carcinomas: Focus on Indirubins. Cancers, 2021, 13, 1770.	3.7	15
54	R(+)-Methanandamide Elicits a Cyclooxygenase-2-Dependent Mitochondrial Apoptosis Signaling Pathway in Human Neuroglioma Cells. Pharmaceutical Research, 2006, 23, 90-94.	3.5	14

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55	The Combination of Î”9-Tetrahydrocannabinol and Cannabidiol Suppresses Mitochondrial Respiration of Human Glioblastoma Cells via Downregulation of Specific Respiratory Chain Proteins. Cancers, 2022, 14, 3129.	3.7	13
56	Inhibition of FAAH confers increased stem cell migration via PPARÎ±. Journal of Lipid Research, 2015, 56, 1947-1960.	4.2	12
57	Paracetamol, ibuprofen, or a combination of both drugs against knee pain: an excellent new randomised clinical trial answers old questions and suggests new therapeutic recommendations. Annals of the Rheumatic Diseases, 2011, 70, 1521-1522.	0.9	11
58	Influence of Casein kinase II inhibitor CX-4945 on BCL6-mediated apoptotic signaling in B-ALL in vitro and in vivo. BMC Cancer, 2020, 20, 184.	2.6	11
59	Impact of Cannabinoid Compounds on Skin Cancer. Cancers, 2022, 14, 1769.	3.7	9
60	A validated high-performance liquid chromatographic assay for determination of lumiracoxib in human plasma. Biomedical Chromatography, 2006, 20, 1033-1037.	1.7	7
61	Cannabinoid-Induced Autophagy and Heme Oxygenase-1 Determine the Fate of Adipose Tissue-Derived Mesenchymal Stem Cells under Stressful Conditions. Cells, 2020, 9, 2298.	4.1	7
62	Decisive role of P42/44 mitogen-activated protein kinase in Î”9-tetrahydrocannabinol-induced migration of human mesenchymal stem cells. Oncotarget, 2017, 8, 105984-105994.	1.8	6
63	Implementation of a combined CDK inhibition and arginine-deprivation approach to target arginine-auxotrophic glioblastoma multiforme cells. Cell Death and Disease, 2022, 13, .	6.3	5
64	Inhibition of interleukin-1Î²-induced endothelial tissue factor expression by the synthetic cannabinoid WIN 55,212-2. Oncotarget, 2016, 7, 61438-61457.	1.8	4
65	Effective tumor cell abrogation via Venetoclax-mediated BCL-2 inhibition in KMT2A-rearranged acute B-lymphoblastic leukemia. Cell Death Discovery, 2022, 8, .	4.7	4
66	Validation of an LCâ€“MS/MS Method for the Quantification of the CK2 Inhibitor Silmitasertib (CX-4945) in Human Plasma. Molecules, 2022, 27, 2394.	3.8	2
67	A Sensitive LC-MS/MS Method for the Simultaneous Determination of Two Thia-Analogous Indirubin N-Glycosides and Indirubin-3â€²-Monoxime in Plasma and Cell Culture Medium. Molecules, 2022, 27, 3031.	3.8	2
68	Correlation of Nabiximols Dose to Steady-State Concentrations of Cannabinoids in Urine Samples from Patients with Multiple Sclerosis. Journal of Clinical Medicine, 2022, 11, 3717.	2.4	1
69	Antipyretic analgesics. , 2001, , 255-271.		0
70	Influence of Test Specimen Geometry and Water Soaking on the In Vitro Cytotoxicity of OrthocrylÂ®, OrthocrylÂ® LC, LoctiteÂ® EA 9483 and Polypropylene. Molecules, 2022, 27, 3949.	3.8	0