

# Elke Heiss

## List of Publications by Year in descending order

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67  
papers

4,409  
citations

126708

33  
h-index

106150

65  
g-index

69  
all docs

69  
docs citations

69  
times ranked

7663  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear Factor $\kappa$ B Is a Molecular Target for Sulforaphane-mediated Anti-inflammatory Mechanisms. <i>Journal of Biological Chemistry</i> , 2001, 276, 32008-32015.	1.6	553
2	Natural product agonists of peroxisome proliferator-activated receptor gamma (PPAR $\gamma$ ): a review. <i>Biochemical Pharmacology</i> , 2014, 92, 73-89.	2.0	492
3	Mechanism-based in vitro screening of potential cancer chemopreventive agents. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2003, 523-524, 163-172.	0.4	282
4	Activated AMPK boosts the Nrf2/HO-1 signaling axis—A role for the unfolded protein response. <i>Free Radical Biology and Medicine</i> , 2015, 88, 417-426.	1.3	206
5	Ethnopharmacological in vitro studies on Austria's folk medicine—An unexplored lore in vitro anti-inflammatory activities of 71 Austrian traditional herbal drugs. <i>Journal of Ethnopharmacology</i> , 2013, 149, 750-771.	2.0	199
6	Activation of Nrf2 signaling by natural products-can it alleviate diabetes?. <i>Biotechnology Advances</i> , 2018, 36, 1738-1767.	6.0	155
7	Regulation of eNOS Enzyme Activity by Posttranslational Modification. <i>Current Pharmaceutical Design</i> , 2014, 20, 3503-3513.	0.9	133
8	Natural Products to Counteract the Epidemic of Cardiovascular and Metabolic Disorders. <i>Molecules</i> , 2016, 21, 807.	1.7	128
9	Chronic Treatment with Resveratrol Induces Redox Stress- and Ataxia Telangiectasia-mutated (ATM)-dependent Senescence in p53-positive Cancer Cells. <i>Journal of Biological Chemistry</i> , 2007, 282, 26759-26766.	1.6	126
10	Glucose availability is a decisive factor for Nrf2-mediated gene expression. <i>Redox Biology</i> , 2013, 1, 359-365.	3.9	115
11	Honokiol: A non-adipogenic PPAR $\gamma$ agonist from nature. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 4813-4819.	1.1	108
12	Active NF-E2-related Factor (Nrf2) Contributes to Keep Endothelial NO Synthase (eNOS) in the Coupled State. <i>Journal of Biological Chemistry</i> , 2009, 284, 31579-31586.	1.6	79
13	NADPH oxidases 1 and 4 mediate cellular senescence induced by resveratrol in human endothelial cells. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1598-1606.	1.3	79
14	Direct binding of Cbl to Tyr568 and Tyr936 of the stem cell factor receptor/c-Kit is required for ligand-induced ubiquitination, internalization and degradation. <i>Biochemical Journal</i> , 2006, 399, 59-67.	1.7	77
15	Computer-Aided Discovery, Validation, and Mechanistic Characterization of Novel Neolignan Activators of Peroxisome Proliferator-Activated Receptor $\gamma$ . <i>Molecular Pharmacology</i> , 2010, 77, 559-566.	1.0	72
16	NF- $\kappa$ B Inhibitors from <i>Eurycoma longifolia</i> . <i>Journal of Natural Products</i> , 2014, 77, 483-488.	1.5	66
17	Identification of Y589 and Y599 in the juxtamembrane domain of Flt3 as ligand-induced autophosphorylation sites involved in binding of Src family kinases and the protein tyrosine phosphatase SHP2. <i>Blood</i> , 2006, 108, 1542-1550.	0.6	65
18	Identification of plumericin as a potent new inhibitor of the $\kappa$ NF- $\kappa$ B pathway with anti-inflammatory activity in vitro and in vivo. <i>British Journal of Pharmacology</i> , 2014, 171, 1676-1686.	2.7	61

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19	Bioactivity-Guided Isolation of 1,2,3,4,6-Penta-O-galloyl-glucopyranose from <i>Paeonia lactiflora</i> Roots As a PTP1B Inhibitor. <i>Journal of Natural Products</i> , 2010, 73, 1578-1581.	1.5	57
20	Activity-guided isolation of NF- $\kappa$ B inhibitors and PPAR $\gamma$ agonists from the root bark of <i>Lycium chinense</i> Miller. <i>Journal of Ethnopharmacology</i> , 2014, 152, 470-477.	2.0	57
21	An increased autophagic flux contributes to the anti-inflammatory potential of urolithin A in macrophages. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 61-70.	1.1	57
22	Lignan Derivatives from <i>Krameria lappacea</i> Roots Inhibit Acute Inflammation in Vivo and Pro-inflammatory Mediators in Vitro. <i>Journal of Natural Products</i> , 2011, 74, 1779-1786.	1.5	56
23	Polyacetylenes from <i>Notopterygium incisum</i> – New Selective Partial Agonists of Peroxisome Proliferator-Activated Receptor-Gamma. <i>PLoS ONE</i> , 2013, 8, e61755.	1.1	53
24	Modulation of Nrf2-dependent gene transcription by bilberry anthocyanins in vivo. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 545-550.	1.5	51
25	Indirubin-3-O-Monoxime Blocks Vascular Smooth Muscle Cell Proliferation by Inhibition of Signal Transducer and Activator of Transcription 3 Signaling and Reduces Neointima Formation In Vivo. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 2475-2481.	1.1	50
26	Discovery of a novel IKK- $\beta$ inhibitor by ligand-based virtual screening techniques. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 577-583.	1.0	50
27	Identification of Isosilybin A from Milk Thistle Seeds as an Agonist of Peroxisome Proliferator-Activated Receptor Gamma. <i>Journal of Natural Products</i> , 2014, 77, 842-847.	1.5	48
28	Screening of Vietnamese medicinal plants for NF- $\kappa$ B signaling inhibitors: Assessing the activity of flavonoids from the stem bark of <i>Oroxylum indicum</i> . <i>Journal of Ethnopharmacology</i> , 2015, 159, 36-42.	2.0	48
29	Ascorbate stimulates endothelial nitric oxide synthase enzyme activity by rapid modulation of its phosphorylation status. <i>Free Radical Biology and Medicine</i> , 2012, 52, 2082-2090.	1.3	42
30	Ikarugamycin induces DNA damage, intracellular calcium increase, p38 MAP kinase activation and apoptosis in HL-60 human promyelocytic leukemia cells. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2011, 709-710, 60-66.	0.4	41
31	Synergy Study of the Inhibitory Potential of Red Wine Polyphenols on Vascular Smooth Muscle Cell Proliferation. <i>Planta Medica</i> , 2012, 78, 772-778.	0.7	41
32	Increased aerobic glycolysis is important for the motility of activated VSMC and inhibited by indirubin-3-O-monoxime. <i>Vascular Pharmacology</i> , 2016, 83, 47-56.	1.0	37
33	Caffeic Acid Phenethyl Ester Inhibits PDGF-Induced Proliferation of Vascular Smooth Muscle Cells via Activation of p38 MAPK, HIF-1 $\alpha$ , and Heme Oxygenase-1. <i>Journal of Natural Products</i> , 2011, 74, 352-356.	1.5	36
34	Synthetic cryptolepine inhibits DNA binding of NF- $\kappa$ B. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 43-49.	1.4	35
35	Walnut leaf extract inhibits PTP1B and enhances glucose-uptake in vitro. <i>Journal of Ethnopharmacology</i> , 2014, 152, 599-602.	2.0	34
36	Resveratrol blocks Akt activation in angiotensin II- or EGF-stimulated vascular smooth muscle cells in a redox-independent manner. <i>Cardiovascular Research</i> , 2011, 90, 140-147.	1.8	30

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37	Imbricarinic Acid and Perlatolic Acid: Multi-Targeting Anti-Inflammatory Depsides from <i>Cetrelia monachorum</i> . PLoS ONE, 2013, 8, e76929.	1.1	30
38	Identification of Chromomoric Acid C-I as an Nrf2 Activator in <i>Chromolaena odorata</i> . Journal of Natural Products, 2014, 77, 503-508.	1.5	29
39	Polyene Hybrid Compounds from <i>Notopterygium incisum</i> with Peroxisome Proliferator-Activated Receptor Gamma Agonistic Effects. Journal of Natural Products, 2014, 77, 2513-2521.	1.5	29
40	A Novel Roscovitine Derivative Potently Induces G <sub>1</sub> -Phase Arrest in Platelet-Derived Growth Factor-BB-Activated Vascular Smooth Muscle Cells. Molecular Pharmacology, 2010, 77, 255-261.	1.0	28
41	Leoligin, the Major Lignan from Edelweiss ( <i>Leontopodium nivale</i> subsp. <i>alpinum</i> ), Promotes Cholesterol Efflux from THP-1 Macrophages. Journal of Natural Products, 2016, 79, 1651-1657.	1.5	28
42	Impact of Trans-Resveratrol-Sulfates and -Glucuronides on Endothelial Nitric Oxide Synthase Activity, Nitric Oxide Release and Intracellular Reactive Oxygen Species. Molecules, 2014, 19, 16724-16736.	1.7	27
43	Identification and characterization of [6]-shogaol from ginger as inhibitor of vascular smooth muscle cell proliferation. Molecular Nutrition and Food Research, 2015, 59, 843-852.	1.5	27
44	Identification of Ostruthin from <i>Peucedanum ostruthium</i> Rhizomes as an Inhibitor of Vascular Smooth Muscle Cell Proliferation. Journal of Natural Products, 2011, 74, 1513-1516.	1.5	26
45	Bioguided Isolation of (9 <i>Z</i> )-Octadec-9-enoic Acid from <i>Phellodendron amurense</i> Rupr. and Identification of Fatty Acids as PTP1B Inhibitors. Planta Medica, 2012, 78, 219-224.	0.7	25
46	Glycolytic Switch in Response to Betulinic Acid in Non-Cancer Cells. PLoS ONE, 2014, 9, e115683.	1.1	25
47	Assessment of anti-inflammatory properties of extracts from Honeysuckle ( <i>Lonicera</i> sp. L.), Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.9	25
48	12/15-Lipoxygenase Contributes to Platelet-derived Growth Factor-induced Activation of Signal Transducer and Activator of Transcription 3. Journal of Biological Chemistry, 2013, 288, 35592-35603.	1.6	24
49	2-(2,4-dihydroxyphenyl)-5-(E)-propenylbenzofuran promotes endothelial nitric oxide synthase activity in human endothelial cells. Biochemical Pharmacology, 2012, 84, 804-812.	2.0	22
50	Silymarin Constituents Enhance ABCA1 Expression in THP-1 Macrophages. Molecules, 2016, 21, 55.	1.7	22
51	Bilirubin Decreases Macrophage Cholesterol Efflux and ATP-Binding Cassette Transporter A1 Protein Expression. Journal of the American Heart Association, 2017, 6, .	1.6	21
52	Erythrodiol, an Olive Oil Constituent, Increases the Half-Life of ABCA1 and Enhances Cholesterol Efflux from THP-1-Derived Macrophages. Frontiers in Pharmacology, 2017, 8, 375.	1.6	20
53	Norfuraneol dephosphorylates eNOS at threonine 495 and enhances eNOS activity in human endothelial cells. Cardiovascular Research, 2009, 81, 750-757.	1.8	19
54	Ratanhiaphenol III from <i>Ratanhia</i> Radix is a PTP1B Inhibitor. Planta Medica, 2012, 78, 678-681.	0.7	18

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55	Indirubin-3-oxime exerts a dual mode of inhibition towards leukotriene-mediated vascular smooth muscle cell migration. <i>Cardiovascular Research</i> , 2014, 101, 522-532.	1.8	18
56	Constituents of Mediterranean Spices Counteracting Vascular Smooth Muscle Cell Proliferation: Identification and Characterization of Rosmarinic Acid Methyl Ester as a Novel Inhibitor. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700860.	1.5	17
57	Impact of glutathione modulation on the toxicity of the <i>Fusarium</i> mycotoxins deoxynivalenol (DON), NX-3 and butenolide in human liver cells. <i>Toxicology Letters</i> , 2018, 299, 104-117.	0.4	17
58	Narciclasine inhibits angiogenic processes by activation of Rho kinase and by downregulation of the VEGF receptor 2. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 135, 97-108.	0.9	17
59	Nonprenylated Xanthenes from <i>Gentiana lutea</i> , <i>Frasera caroliniensis</i> , and <i>Centaurium erythraea</i> as Novel Inhibitors of Vascular Smooth Muscle Cell Proliferation. <i>Molecules</i> , 2015, 20, 20381-20390.	1.7	15
60	Capsaicin and nonivamide similarly modulate outcome measures of mitochondrial energy metabolism in HepG2 and 3T3-L1 cells. <i>Food and Function</i> , 2018, 9, 1123-1132.	2.1	14
61	Tylophorine reduces protein biosynthesis and rapidly decreases cyclin D1, inhibiting vascular smooth muscle cell proliferation in vitro and in organ culture. <i>Phytomedicine</i> , 2019, 60, 152938.	2.3	9
62	The Dietary Constituent Falcarindiol Promotes Cholesterol Efflux from THP-1 Macrophages by Increasing ABCA1 Gene Transcription and Protein Stability. <i>Frontiers in Pharmacology</i> , 2017, 8, 596.	1.6	8
63	The Yeast SEC20 Gene Is Required for N- and O-Glycosylation in the Golgi. <i>Journal of Biological Chemistry</i> , 2001, 276, 28751-28758.	1.6	7
64	Plant extracts in cell-based anti-inflammatory assays – Pitfalls and considerations related to removal of activity masking bulk components. <i>Phytochemistry Letters</i> , 2014, 10, xli-xlvi.	0.6	6
65	Eurycomalactone Inhibits Expression of Endothelial Adhesion Molecules at a Post-Transcriptional Level. <i>Journal of Natural Products</i> , 2017, 80, 3186-3193.	1.5	6
66	Regulation of Nrf2 and NF- $\kappa$ B activities may contribute to the anti-inflammatory mechanism of xylopic acid. <i>Inflammopharmacology</i> , 2022, , 1.	1.9	4
67	A Maillard reaction product enhances eNOS activity in human endothelial cells. <i>Molecular Nutrition and Food Research</i> , 2010, 54, 1031-1038.	1.5	1