

Ulrike Garscha

List of Publications by Year in descending order

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49
papers

1,468
citations

236925

25
h-index

330143

37
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51
all docs

51
docs citations

51
times ranked

1692
citing authors

#	ARTICLE	IF	CITATIONS
1	12-Oxo-10-glutathionyl-5,8,14-eicosatrienoic acid (TOG10), a novel glutathione-containing eicosanoid generated via the 12-lipoxygenase pathway in human platelets. <i>Prostaglandins and Other Lipid Mediators</i> , 2021, 152, 106480.	1.9	2
2	Exploration of Long-Chain Vitamin E Metabolites for the Discovery of a Highly Potent, Orally Effective, and Metabolically Stable 5-LOX Inhibitor that Limits Inflammation. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 11496-11526.	6.4	7
3	Simple heteroaryl modifications in the 4,5-diarylisoaxazol-3-carboxylic acid scaffold favorably modulates the activity as dual mPGES-1/5-LO inhibitors with in vivo efficacy. <i>Bioorganic Chemistry</i> , 2021, 112, 104861.	4.1	6
4	<i>Candida albicans</i> -induced leukotriene biosynthesis in neutrophils is restricted to the hyphal morphology. <i>FASEB Journal</i> , 2021, 35, e21820.	0.5	8
5	Modulation of microRNA processing by 5-lipoxygenase. <i>FASEB Journal</i> , 2021, 35, e21193.	0.5	8
6	Exotoxins from <i>Staphylococcus aureus</i> activate 5-lipoxygenase and induce leukotriene biosynthesis. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3841-3858.	5.4	16
7	Finding New Molecular Targets of Familiar Natural Products Using In Silico Target Prediction. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7102.	4.1	10
8	Structural and mechanistic insights into 5-lipoxygenase inhibition by natural products. <i>Nature Chemical Biology</i> , 2020, 16, 783-790.	8.0	129
9	Discovery of Novel 5-Lipoxygenase-Activating Protein (FLAP) Inhibitors by Exploiting a Multistep Virtual Screening Protocol. <i>Journal of Chemical Information and Modeling</i> , 2020, 60, 1737-1748.	5.4	9
10	A Multi-step Virtual Screening Protocol for the Identification of Novel Non-acidic Microsomal Prostaglandin Synthase (mPGES-1) Inhibitors. <i>ChemMedChem</i> , 2019, 14, 273-281.	3.2	15
11	Liquid chromatography-coupled mass spectrometry analysis of glutathione conjugates of oxygenated polyunsaturated fatty acids. <i>Prostaglandins and Other Lipid Mediators</i> , 2019, 144, 106350.	1.9	12
12	Impact of food polyphenols on oxylipin biosynthesis in human neutrophils. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 1536-1544.	2.4	9
13	Targeting biosynthetic networks of the proinflammatory and proresolving lipid metabolome. <i>FASEB Journal</i> , 2019, 33, 6140-6153.	0.5	95
14	Melleolides from Honey Mushroom Inhibit 5-Lipoxygenase via Cys159. <i>Cell Chemical Biology</i> , 2019, 26, 60-70.e4.	5.2	13
15	Synthesis, Biological Evaluation and Structure-Activity Relationships of Diflapolin Analogues as Dual sEH/FLAP Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 62-66.	2.8	8
16	A 5-lipoxygenase-specific sequence motif impedes enzyme activity and confers dependence on a partner protein. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2019, 1864, 543-551.	2.4	3
17	Identification of multi-target inhibitors of leukotriene and prostaglandin E2 biosynthesis by structural tuning of the FLAP inhibitor BRP-7. <i>European Journal of Medicinal Chemistry</i> , 2018, 150, 876-899.	5.5	19
18	Endogenous metabolites of vitamin E limit inflammation by targeting 5-lipoxygenase. <i>Nature Communications</i> , 2018, 9, 3834.	12.8	101

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19	Discovery of the first dual inhibitor of the 5-lipoxygenase-activating protein and soluble epoxide hydrolase using pharmacophore-based virtual screening. <i>Scientific Reports</i> , 2017, 7, 42751.	3.3	33
20	Evaluation of Dual 5-Lipoxygenase/Microsomal Prostaglandin E2 Synthase-1 Inhibitory Effect of Natural and Synthetic Acronychia-Type Isoprenylated Acetophenones. <i>Journal of Natural Products</i> , 2017, 80, 699-706.	3.0	10
21	Novel leukotriene biosynthesis inhibitors (2012-2016) as anti-inflammatory agents. <i>Expert Opinion on Therapeutic Patents</i> , 2017, 27, 607-620.	5.0	36
22	Pharmacological profile and efficiency in vivo of diflapolin, the first dual inhibitor of 5-lipoxygenase-activating protein and soluble epoxide hydrolase. <i>Scientific Reports</i> , 2017, 7, 9398.	3.3	36
23	The 5-lipoxygenase inhibitor RF-22c potently suppresses leukotriene biosynthesis in cellul and blocks bronchoconstriction and inflammation in vivo. <i>Biochemical Pharmacology</i> , 2016, 112, 60-71.	4.4	25
24	BRP-187: A potent inhibitor of leukotriene biosynthesis that acts through impeding the dynamic 5-lipoxygenase/5-lipoxygenase-activating protein (FLAP) complex assembly. <i>Biochemical Pharmacology</i> , 2016, 119, 17-26.	4.4	36
25	Development of smart cell-free and cell-based assay systems for investigation of leukotriene C 4 synthase activity and evaluation of inhibitors. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1605-1613.	2.4	10
26	Synthesis and biological evaluation of C(5)-substituted derivatives of leukotriene biosynthesis inhibitor BRP-7. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 510-519.	5.5	9
27	Time-resolved in situ assembly of the leukotriene synthetic 5-lipoxygenase/5-lipoxygenase-activating protein complex in blood leukocytes. <i>FASEB Journal</i> , 2016, 30, 276-285.	5.5	51
28	4,5-Diarylisoxazol-3-carboxylic acids: A new class of leukotriene biosynthesis inhibitors potentially targeting 5-lipoxygenase-activating protein (FLAP). <i>European Journal of Medicinal Chemistry</i> , 2016, 113, 1-10.	5.5	45
29	Discovery of Potent Soluble Epoxide Hydrolase (sEH) Inhibitors by Pharmacophore-Based Virtual Screening. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 747-762.	5.4	38
30	5-Lipoxygenase-activating protein rescues activity of 5-lipoxygenase mutations that delay nuclear membrane association and disrupt product formation. <i>FASEB Journal</i> , 2016, 30, 1892-1900.	0.5	33
31	Characterization of the interaction of human 5-lipoxygenase with its activating protein FLAP. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 1465-1472.	2.4	23
32	Design, synthesis and evaluation of semi-synthetic triazole-containing caffeic acid analogues as 5-lipoxygenase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 573-583.	5.5	30
33	Discovery of novel, non-acidic mPGES-1 inhibitors by virtual screening with a multistep protocol. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4839-4845.	3.0	18
34	A procedure for efficient non-viral siRNA transfection of primary human monocytes using nucleofection. <i>Journal of Immunological Methods</i> , 2015, 422, 118-124.	1.4	11
35	Indirubin Core Structure of Glycogen Synthase Kinase-3 Inhibitors as Novel Chemotype for Intervention with 5-Lipoxygenase. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 3715-3723.	6.4	37
36	An experimental cell-based model for studying the cell biology and molecular pharmacology of 5-lipoxygenase-activating protein in leukotriene biosynthesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 2961-2969.	2.4	38

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37	Expression of 5,8-LDS of <i>Aspergillus fumigatus</i> and its dioxygenase domain. A comparison with 7,8-LDS, 10-dioxygenase, and cyclooxygenase. <i>Archives of Biochemistry and Biophysics</i> , 2011, 506, 216-222.	3.0	33
38	Manganese lipoxygenase oxidizes bis-allylic hydroperoxides and octadecenoic acids by different mechanisms. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 138-147.	2.4	33
39	Effects of PCB126 and 17 β -oestradiol on endothelium-derived vasoactive factors in human endothelial cells. <i>Toxicology</i> , 2011, 285, 46-56.	4.2	34
40	Stereoselective oxidation of regioisomeric octadecenoic acids by fatty acid dioxygenases. <i>Journal of Lipid Research</i> , 2011, 52, 1995-2004.	4.2	27
41	Reaction mechanism of 5,8-linoleate diol synthase, 10R-dioxygenase, and 8,11-hydroperoxide isomerase of <i>Aspergillus clavatus</i> . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010, 1801, 503-507.	2.4	25
42	Leucine/Valine Residues Direct Oxygenation of Linoleic Acid by (10R)- and (8R)-Dioxygenases. <i>Journal of Biological Chemistry</i> , 2009, 284, 13755-13765.	3.4	35
43	A lipoxygenase with dual positional specificity is expressed in olives (<i>Olea europaea</i> L.) during ripening. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 339-346.	2.4	37
44	Enantiomeric separation and analysis of unsaturated hydroperoxy fatty acids by chiral column chromatography-mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 872, 90-98.	2.3	43
45	Critical amino acids for the 8 <i>R</i> -dioxygenase activity of linoleate diol synthase. A comparison with cyclooxygenases. <i>FEBS Letters</i> , 2008, 582, 3547-3551.	2.8	20
46	<i>Pichia</i> expression and mutagenesis of 7,8-linoleate diol synthase change the dioxygenase and hydroperoxide isomerase. <i>Biochemical and Biophysical Research Communications</i> , 2008, 373, 579-583.	2.1	10
47	Identification of Dioxygenases Required for <i>Aspergillus</i> Development. <i>Journal of Biological Chemistry</i> , 2007, 282, 34707-34718.	3.4	88
48	Steric analysis of 8-hydroxy- and 10-hydroxyoctadecadienoic acids and dihydroxyoctadecadienoic acids formed from 8R-hydroperoxyoctadecadienoic acid by hydroperoxide isomerases. <i>Analytical Biochemistry</i> , 2007, 367, 238-246.	2.4	41
49	Payne rearrangement during analysis of epoxyalcohols of linoleic and \pm -linolenic acids by normal phase liquid chromatography with tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2006, 354, 111-126.	2.4	51