Oliver Werz

List of Publications by Year
in descending order

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340 papers	13,538 citations	22153 59 h-index	40979 93 g-index
345 all docs	345 docs citations	345 times ranked	13109 citing authors

#	Article	IF	Citations
1	5-Lipoxygenase: regulation of expression and enzyme activity. Trends in Biochemical Sciences, 2007, 32, 332-341.	7.5	401
2	5-Lipoxygenase, a key enzyme for leukotriene biosynthesis in health and disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 331-339.	2.4	371
3	Multi-target approach for natural products in inflammation. Drug Discovery Today, 2014, 19, 1871-1882.	6.4	241
4	Boswellia serrata. Clinical Pharmacokinetics, 2011, 50, 349-369.	3.5	236
5	The Nuclear Receptor for Melatonin Represses 5-Lipoxygenase Gene Expression in Human B Lymphocytes. Journal of Biological Chemistry, 1995, 270, 7037-7040.	3.4	230
6	Therapeutic options for 5-lipoxygenase inhibitors. , 2006, 112, 701-718.		223
7	Human macrophages differentially produce specific resolvin or leukotriene signals that depend on bacterial pathogenicity. Nature Communications, 2018, 9, 59.	12.8	211
8	Hyperforin is a dual inhibitor of cyclooxygenase-1 and 5-lipoxygenase. Biochemical Pharmacology, 2002, 64, 1767-1775.	4.4	209
9	Boswellic Acids: Biological Actions and Molecular Targets. Current Medicinal Chemistry, 2006, 13, 3359-3369.	2.4	186
10	ERK-mediated regulation of leukotriene biosynthesis by androgens: A molecular basis for gender differences in inflammation and asthma. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19881-19886.	7.1	177
11	5-Lipoxygenase: Cellular Biology and Molecular Pharmacology. Inflammation and Allergy: Drug Targets, 2002, 1, 23-44.	3.1	170
12	Activation of 5-lipoxygenase by cell stress is calcium independent in human polymorphonuclear leukocytes. Blood, 2002, 99, 1044-1052.	1.4	165
13	5-Lipoxygenase inhibitors: a review of recent developments and patents. Expert Opinion on Therapeutic Patents, 2010, 20, 355-375.	5.0	157
14	Licofelone Suppresses Prostaglandin E₂ Formation by Interference with the Inducible Microsomal Prostaglandin E₂ Synthase-1. Journal of Pharmacology and Experimental Therapeutics, 2008, 326, 975-982.	2.5	156
15	Inhibition of 5-Lipoxygenase Product Synthesis by Natural Compounds of Plant Origin. Planta Medica, 2007, 73, 1331-1357.	1.3	144
16	Development of 5-lipoxygenase inhibitorsâ€"lessons from cellular enzyme regulation. Biochemical Pharmacology, 2005, 70, 327-333.	4.4	140
17	Structure-Based Discovery of Inhibitors of Microsomal Prostaglandin E₂ Synthaseâ€"1, 5-Lipoxygenase and 5-Lipoxygenase-Activating Protein: Promising Hits for the Development of New Anti-inflammatory Agents. Journal of Medicinal Chemistry, 2011, 54, 1565-1575.	6.4	139
18	Structural and mechanistic insights into 5-lipoxygenase inhibition by natural products. Nature Chemical Biology, 2020, 16, 783-790.	8.0	129

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19	Extracellular signalâ€regulated kinases phosphorylate 5lipoxygenase and stimulate 5â€lipoxygenase product formation in leukocytes. FASEB Journal, 2002, 16, 1441-1443.	0.5	126
20	Carnosic acid and carnosol potently inhibit human 5-lipoxygenase and suppress pro-inflammatory responses of stimulated human polymorphonuclear leukocytes. Biochemical Pharmacology, 2008, 76, 91-97.	4.4	123
21	Revealing the macromolecular targets of complex natural products. Nature Chemistry, 2014, 6, 1072-1078.	13.6	114
22	Phosphorylationâ€and stimulusâ€dependent inhibition of cellular 5â€lipoxygenase activity by nonredoxâ€type inhibitors. FASEB Journal, 2003, 17, 1-24.	0.5	111
23	The Atlas of Inflammation Resolution (AIR). Molecular Aspects of Medicine, 2020, 74, 100894.	6.4	110
24	Arachidonic Acid Promotes Phosphorylation of 5-Lipoxygenase at Ser-271 by MAPK-activated Protein Kinase 2 (MK2). Journal of Biological Chemistry, 2002, 277, 14793-14800.	3.4	109
25	Skepinone-L is a selective p38 mitogen-activated protein kinase inhibitor. Nature Chemical Biology, 2012, 8, 141-143.	8.0	109
26	Perspective of microsomal prostaglandin E2 synthase-1 as drug target in inflammation-related disorders. Biochemical Pharmacology, 2015, 98, 1-15.	4.4	107
27	Pirinixic Acid Derivatives as Novel Dual Inhibitors of Microsomal Prostaglandin E₂ Synthase-1 and 5-Lipoxygenase. Journal of Medicinal Chemistry, 2008, 51, 8068-8076.	6.4	103
28	Curcumin blocks prostaglandin E2 biosynthesis through direct inhibition of the microsomal prostaglandin E2 synthase-1. Molecular Cancer Therapeutics, 2009, 8, 2348-2355.	4.1	103
29	Endogenous metabolites of vitamin E limit inflammation by targeting 5-lipoxygenase. Nature Communications, 2018, 9, 3834.	12.8	101
30	Myrtucommulone from Myrtus communis induces apoptosis in cancer cells via the mitochondrial pathway involving caspase-9. Apoptosis: an International Journal on Programmed Cell Death, 2008, 13, 119-131.	4.9	96
31	Targeting biosynthetic networks of the proinflammatory and proresolving lipid metabolome. FASEB Journal, 2019, 33, 6140-6153.	0.5	95
32	Coactosin-like protein supports 5-lipoxygenase enzyme activity and up-regulates leukotriene A4 production. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13150-13155.	7.1	93
33	Identification of 5-lipoxygenase and microsomal prostaglandin E2 synthase-1 as functional targets of the anti-inflammatory and anti-carcinogenic garcinol. Biochemical Pharmacology, 2009, 77, 1513-1521.	4.4	93
34	Selenium-Dependent Peroxidases Suppress 5-Lipoxygenase Activity in B-Lymphocytes and Immature Myeloid Cells. The Presence of Peroxidase-Insensitive 5-Lipoxygenase Activity in Differentiated Myeloid Cells. FEBS Journal, 1996, 242, 90-97.	0.2	92
35	ALOX5 variants associated with susceptibility to human pulmonary tuberculosis. Human Molecular Genetics, 2007, 17, 1052-1060.	2.9	91
36	Identification and functional analysis of cyclooxygenase-1 as a molecular target of boswellic acids. Biochemical Pharmacology, 2008, 75, 503-513.	4.4	89

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37	Carnosol and Carnosic Acids fromSalvia officinalisInhibit Microsomal Prostaglandin E₂Synthase-1. Journal of Pharmacology and Experimental Therapeutics, 2012, 342, 169-176.	2.5	84
38	Myrtucommulone from Myrtus communis Exhibits Potent Anti-Inflammatory Effectiveness in Vivo. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 76-86.	2.5	83
39	The 5-Lipoxygenase Promoter Is Regulated by DNA Methylation. Journal of Biological Chemistry, 2002, 277, 4374-4379.	3.4	82
40	Identification of Molecular Targets of the Oligomeric Nonprenylated Acylphloroglucinols from Myrtus communis and Their Implication as Anti-Inflammatory Compounds. Journal of Pharmacology and Experimental Therapeutics, 2005, 315, 389-396.	2.5	82
41	Arzanol, a prenylated heterodimeric phloroglucinyl pyrone, inhibits eicosanoid biosynthesis and exhibits anti-inflammatory efficacy in vivo. Biochemical Pharmacology, 2011, 81, 259-268.	4.4	81
42	Testosterone suppresses phospholipase D, causing sex differences in leukotriene biosynthesis in human monocytes. FASEB Journal, 2011, 25, 3377-3387.	0.5	80
43	Arachidonoyl-phosphatidylcholine oscillates during the cell cycle and counteracts proliferation by suppressing Akt membrane binding. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2546-2551.	7.1	80
44	Potent inhibition of human 5-lipoxygenase and microsomal prostaglandin E2 synthase-1 by the anti-carcinogenic and anti-inflammatory agent embelin. Biochemical Pharmacology, 2013, 86, 476-486.	4.4	79
45	Phorbol ester up-regulates capacities for nuclear translocation and phosphorylation of 5-lipoxygenase in Mono Mac 6 cells and human polymorphonuclear leukocytes. Blood, 2001, 97, 2487-2495.	1.4	76
46	Cannflavins from hemp sprouts, a novel cannabinoid-free hemp food product, target microsomal prostaglandin E2 synthase-1 and 5-lipoxygenase. PharmaNutrition, 2014, 2, 53-60.	1.7	76
47	Androgen-mediated sex bias impairs efficiency of leukotriene biosynthesis inhibitors in males. Journal of Clinical Investigation, 2017, 127, 3167-3176.	8.2	75
48	Identification of Human Cathepsin G As a Functional Target of Boswellic Acids from the Anti-Inflammatory Remedy Frankincense. Journal of Immunology, 2009, 183, 3433-3442.	0.8	72
49	Coordinate Functional Regulation between Microsomal Prostaglandin E Synthase-1 (mPGES-1) and Peroxisome Proliferator-activated Receptor Î³ (PPARÎ³) in the Conversion of White-to-brown Adipocytes. Journal of Biological Chemistry, 2013, 288, 28230-28242.	3.4	72
50	Nonredox 5-Lipoxygenase Inhibitors Require Glutathione Peroxidase for Efficient Inhibition of 5-Lipoxygenase Activity. Molecular Pharmacology, 1998, 54, 445-451.	2.3	71
51	Identification of Natural-Product-Derived Inhibitors of 5-Lipoxygenase Activity by Ligand-Based Virtual Screening. Journal of Medicinal Chemistry, 2007, 50, 2640-2646.	6.4	70
52	SARS-CoV-2 Causes Severe Epithelial Inflammation and Barrier Dysfunction. Journal of Virology, 2021, 95, .	3.4	70
53	Tetra- and Pentacyclic Triterpene Acids from the Ancient Anti-inflammatory Remedy Frankincense as Inhibitors of Microsomal Prostaglandin E₂ Synthase-1. Journal of Natural Products, 2014, 77, 1445-1451.	3.0	69
54	Extraction and Visualization of Potential Pharmacophore Points Using Support Vector Machines:Â Application to Ligand-Based Virtual Screening for COX-2 Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 6997-7004.	6.4	67

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55	Structural Optimization and Biological Evaluation of 2-Substituted 5-Hydroxyindole-3-carboxylates as Potent Inhibitors of Human 5-Lipoxygenase. Journal of Medicinal Chemistry, 2009, 52, 3474-3483.	6.4	67
56	Reactive oxygen species released from granulocytes stimulate 5-lipoxygenase activity in a B-lymphocytic cell line. FEBS Journal, 2000, 267, 1263-1269.	0.2	66
57	Sex differences in prostaglandin biosynthesis in neutrophils during acute inflammation. Scientific Reports, 2017, 7, 3759.	3.3	65
58	Arylpyrrolizines as Inhibitors of Microsomal Prostaglandin E₂ Synthase-1 (mPGES-1) or as Dual Inhibitors of mPGES-1 and 5-Lipoxygenase (5-LOX). Journal of Medicinal Chemistry, 2009, 52, 4968-4972.	6.4	64
59	Machine intelligence decrypts Î²-lapachone as an allosteric 5-lipoxygenase inhibitor. Chemical Science, 2018, 9, 6899-6903.	7.4	64
60	Design and Development of Microsomal Prostaglandin E₂ Synthase-1 Inhibitors: Challenges and Future Directions. Journal of Medicinal Chemistry, 2016, 59, 5970-5986.	6.4	63
61	Celecoxib inhibits 5-lipoxygenase. Biochemical Pharmacology, 2008, 76, 862-872.	4.4	62
62	Hyperforin, an Anti-Inflammatory Constituent from St. John's Wort, Inhibits Microsomal Prostaglandin E2 Synthase-1 and Suppresses Prostaglandin E2 Formation in vivo. Frontiers in Pharmacology, 2011, 2, 7.	3.5	62
63	Exploration of the dihydropyrimidine scaffold for the development of new potential anti-inflammatory agents blocking prostaglandin E2 synthase-1 enzyme (mPGES-1). European Journal of Medicinal Chemistry, 2014, 80, 407-415.	5.5	61
64	Loss of metabolic plasticity underlies metformin toxicity in aged Caenorhabditis elegans. Nature Metabolism, 2020, 2, 1316-1331.	11.9	61
65	Hyperforin is a novel type of 5-lipoxygenase inhibitor with high efficacy in vivo. Cellular and Molecular Life Sciences, 2009, 66, 2759-2771.	5.4	60
66	In vitro metabolism, permeation, and brain availability of six major boswellic acids from Boswellia serrata gum resins. FÃ¬toterapÃ¬Ã¢, 2013, 84, 99-106.	2.2	60
67	One-Step Semisynthesis of Oleacein and the Determination as a 5-Lipoxygenase Inhibitor. Journal of Natural Products, 2014, 77, 441-445.	3.0	60
68	Discovery of Depsides and Depsidones from Lichen as Potent Inhibitors of Microsomal Prostaglandin E2 Synthaseâ€1 Using Pharmacophore Models. ChemMedChem, 2012, 7, 2077-2081.	3.2	58
69	Aminothiazole-Featured Pirinixic Acid Derivatives As Dual 5-Lipoxygenase and Microsomal Prostaglandin E₂ Synthase-1 Inhibitors with Improved Potency and Efficiency in Vivo. Journal of Medicinal Chemistry, 2013, 56, 9031-9044.	6.4	58
70	Suppression of receptor-mediated Ca2+ mobilization and functional leukocyte responses by hyperforin. Biochemical Pharmacology, 2004, 67, 1531-1539.	4.4	56
71	Lignan Derivatives from Krameria lappacea Roots Inhibit Acute Inflammation in Vivo and Pro-inflammatory Mediators in Vitro. Journal of Natural Products, 2011, 74, 1779-1786.	3.0	56
72	Discovery of benzo[g]indol-3-carboxylates as potent inhibitors of microsomal prostaglandin E2 synthase-1. Bioorganic and Medicinal Chemistry, 2009, 17, 7924-7932.	3.0	55

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73	Resveratrol post-transcriptionally regulates pro-inflammatory gene expression via regulation of KSRP RNA binding activity. Nucleic Acids Research, 2014, 42, 12555-12569.	14.5	54
74	Pharmacophore Modeling and Virtual Screening for Novel Acidic Inhibitors of Microsomal Prostaglandin E₂ Synthase-1 (mPGES-1). Journal of Medicinal Chemistry, 2011, 54, 3163-3174.	6.4	53
75	Increased Bioavailability of 11â€Ketoâ€Î²â€Boswellic Acid Following Single Oral Dose Frankincense Extract Administration After a Standardized Meal in Healthy Male Volunteers: Modeling and Simulation Considerations for Evaluating Drug Exposures. Journal of Clinical Pharmacology, 2012, 52, 1592-1600.	2.0	53
76	Small molecules intercept Notch signaling and the early secretory pathway. Nature Chemical Biology, 2013, 9, 731-738.	8.0	53
77	SAR Studies on Curcuminâ€™s Pro-inflammatory Targets: Discovery of Prenylated Pyrazolocurcuminoids as Potent and Selective Novel Inhibitors of 5-Lipoxygenase. Journal of Medicinal Chemistry, 2014, 57, 5638-5648.	6.4	53
78	Î±â€Tocopherol longâ€chain metabolite Î±â€13â€™â€COOH affects the inflammatory response of lipopolysaccharideâ€activated murine RAW264.7 macrophages. Molecular Nutrition and Food Research, 2015, 59, 1524-1534.	3.3	53
79	Mitochondrial Chaperonin HSP60 Is the Apoptosis-Related Target for Myrtucommulone. Cell Chemical Biology, 2017, 24, 614-623.e6.	5.2	52
80	Region-Specific Proteome Changes of the Intestinal Epithelium during Aging and Dietary Restriction. Cell Reports, 2020, 31, 107565.	6.4	52
81	On the interference of boswellic acids with 5-lipoxygenase: Mechanistic studies in vitro and pharmacological relevance. European Journal of Pharmacology, 2009, 606, 246-254.	3.5	51
82	Total Synthesis of Myrtucommuloneâ€…A. Angewandte Chemie - International Edition, 2010, 49, 2045-2049.	13.8	51
83	Timeâ€resolvedin situassembly of the leukotrieneâ€synthetic 5â€lipoxygenase/5â€lipoxygenaseâ€activating protein complex in blood leukocytes. FASEB Journal, 2016, 30, 276-285.	0.5	51
84	Sex-biased eicosanoid biology: Impact for sex differences in inflammation and consequences for pharmacotherapy. Biochemical Pharmacology, 2017, 145, 1-11.	4.4	51
85	Algal Oxylipins Mediate the Resistance of Diatoms against Algicidal Bacteria. Marine Drugs, 2018, 16, 486.	4.6	51
86	Butyrate-Induced Differentiation of Caco-2 Cells Is Mediated by Vitamin D Receptor. Biochemical and Biophysical Research Communications, 2001, 288, 690-696.	2.1	50
87	Structural Insights for the Optimization of Dihydropyrimidin-2(1H)-one Based mPGES-1 Inhibitors. ACS Medicinal Chemistry Letters, 2015, 6, 187-191.	2.8	50
88	Antiâ€inflammatory and analgesic activity of carnosol and carnosic acid in vivo and in vitro and in silico analysis of their target interactions. British Journal of Pharmacology, 2017, 174, 1497-1508.	5.4	50
89	Molecular pharmacological profile of the nonredox-type 5-lipoxygenase inhibitor CJ-13,610. British Journal of Pharmacology, 2004, 142, 861-868.	5.4	49
90	The Molecular Pharmacology and In Vivo Activity of 2-(4-Chloro-6-(2,3-dimethylphenylamino)pyrimidin-2-ylthio)octanoic acid (YS121), a Dual Inhibitor of Microsomal Prostaglandin E₂ Synthase-1 and 5-Lipoxygenase. Journal of Pharmacology and Experimental Therapeutics, 2010, 332, 840-848.	2.5	49

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91	Process control and scale-up of modified bacterial cellulose production for tailor-made anti-inflammatory drug delivery systems. Carbohydrate Polymers, 2020, 236, 116062.	10.2	49
92	Design and Synthesis of Novel 2-Amino-5-hydroxyindole Derivatives That Inhibit Human 5-Lipoxygenase. Journal of Medicinal Chemistry, 2006, 49, 4327-4332.	6.4	48
93	Identification of novel benzimidazole derivatives as inhibitors of leukotriene biosynthesis by virtual screening targeting 5-lipoxygenase-activating protein (FLAP). Bioorganic and Medicinal Chemistry, 2012, 20, 3728-3741.	3.0	48
94	Boswellic Acids Stimulate Arachidonic Acid Release and 12-Lipoxygenase Activity in Human Platelets Independent of Ca2+ and Differentially Interact with Platelet-Type 12-Lipoxygenase. Molecular Pharmacology, 2006, 70, 1071-1078.	2.3	47
95	Natural products as inhibitors of prostaglandin E2 and pro-inflammatory 5-lipoxygenase-derived lipid mediator biosynthesis. Biotechnology Advances, 2018, 36, 1709-1723.	11.7	47
96	Targeting de novo lipogenesis as a novel approach in anti-cancer therapy. British Journal of Cancer, 2018, 118, 43-51.	6.4	47
97	Staphylococcus aureus-Derived Î±-Hemolysin Evokes Generation of Specialized Pro-resolving Mediators Promoting Inflammation Resolution. Cell Reports, 2020, 33, 108247.	6.4	47
98	4,5-Diarylisoxazol-3-carboxylic acids: A new class of leukotriene biosynthesis inhibitors potentially targeting 5-lipoxygenase-activating protein (FLAP). European Journal of Medicinal Chemistry, 2016, 113, 1-10.	5.5	45
99	In vivo sex differences in leukotriene biosynthesis in zymosan-induced peritonitis. Pharmacological Research, 2014, 87, 1-7.	7.1	44
100	Distinct and overlapping functions of glutathione peroxidases 1 and 2 in limiting NF-Î¹B-driven inflammation through redox-active mechanisms. Redox Biology, 2020, 28, 101388.	9.0	43
101	Green tea epigallocatechin-3-gallate inhibits microsomal prostaglandin E2 synthase-1. Biochemical and Biophysical Research Communications, 2009, 388, 350-354.	2.1	42
102	Coupling of boswellic acid-induced Ca2+ mobilisation and MAPK activation to lipid metabolism and peroxide formation in human leucocytes. British Journal of Pharmacology, 2004, 141, 223-232.	5.4	41
103	Design, Synthesis, and Biological Evaluation of a Novel Class of Î³-Secretase Modulators with PPARÎ³ Activity. Journal of Medicinal Chemistry, 2010, 53, 4691-4700.	6.4	41
104	2,3-Dihydrobenzofuran privileged structures as new bioinspired lead compounds for the design of mPGES-1 inhibitors. Bioorganic and Medicinal Chemistry, 2016, 24, 820-826.	3.0	41
105	Design and synthesis of a second series of triazole-based compounds as potent dual mPGES-1 and 5-lipoxygenase inhibitors. European Journal of Medicinal Chemistry, 2012, 54, 311-323.	5.5	40
106	Acetyl-CoA carboxylase 1 regulates endothelial cell migration by shifting the phospholipid composition. Journal of Lipid Research, 2018, 59, 298-311.	4.2	40
107	Boswellic Acids Activate p42MAPK and p38 MAPK and Stimulate Ca2+ Mobilization. Biochemical and Biophysical Research Communications, 2002, 290, 185-190.	2.1	39
108	Modified Acidic Nonsteroidal Anti-Inflammatory Drugs as Dual Inhibitors of mPGES-1 and 5-LOX. Journal of Medicinal Chemistry, 2012, 55, 8958-8962.	6.4	38

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109	An experimental cell-based model for studying the cell biology and molecular pharmacology of 5-lipoxygenase-activating protein in leukotriene biosynthesis. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2961-2969.	2.4	38
110	Discovery of Potent Soluble Epoxide Hydrolase (sEH) Inhibitors by Pharmacophore-Based Virtual Screening. Journal of Chemical Information and Modeling, 2016, 56, 747-762.	5.4	38
111	Discovery and biological evaluation of novel 1,4-benzoquinone and related resorcinol derivatives that inhibit 5-lipoxygenase. European Journal of Medicinal Chemistry, 2013, 67, 269-279.	5.5	37
112	Indirubin Core Structure of Glycogen Synthase Kinase-3 Inhibitors as Novel Chemotype for Intervention with 5-Lipoxygenase. Journal of Medicinal Chemistry, 2014, 57, 3715-3723.	6.4	37
113	Human serum determination and in vitro anti-inflammatory activity of the vitamin E metabolite Î±-(13'-hydroxy)-6-hydroxychroman. Free Radical Biology and Medicine, 2015, 89, 952-962.	2.9	37
114	V-ATPase inhibition increases cancer cell stiffness and blocks membrane related Ras signaling - a new option for HCC therapy. Oncotarget, 2017, 8, 9476-9487.	1.8	37
115	The Aminosteroid Phospholipase C Antagonist U-73122 (1-[6-[[17-Î²-3-Methoxyestra-1,3,5(10)-trien-17-yl]amino]hexyl]-1H-pyrrole-2,5-dione) Potently Inhibits Human 5-Lipoxygenase in Vivo and in Vitro. Molecular Pharmacology, 2005, 67, 1751-1757.	2.3	36
116	Structure and Biosynthetic Assembly of Gulmirecins, Macrolide Antibiotics from the Predatory Bacterium Pyxidicoccus fallax. Chemistry - A European Journal, 2014, 20, 15933-15940.	3.3	36
117	Novel series of benzoquinones with high potency against 5-lipoxygenase in human polymorphonuclear leukocytes. European Journal of Medicinal Chemistry, 2015, 94, 132-139.	5.5	36
118	BRP-187: A potent inhibitor of leukotriene biosynthesis that acts through impeding the dynamic 5-lipoxygenase/5-lipoxygenase-activating protein (FLAP) complex assembly. Biochemical Pharmacology, 2016, 119, 17-26.	4.4	36
119	Regulation of tumorigenic Wnt signaling by cyclooxygenase-2, 5-lipoxygenase and their pharmacological inhibitors: A basis for novel drugs targeting cancer cells?. , 2016, 157, 43-64.		36
120	Novel leukotriene biosynthesis inhibitors (2012-2016) as anti-inflammatory agents. Expert Opinion on Therapeutic Patents, 2017, 27, 607-620.	5.0	36
121	Pharmacological profile and efficiency in vivo of diflapolin, the first dual inhibitor of 5-lipoxygenase-activating protein and soluble epoxide hydrolase. Scientific Reports, 2017, 7, 9398.	3.3	36
122	1-Oleoyl-2-acetylglycerol Stimulates 5-Lipoxygenase Activity via a Putative (Phospho)lipid Binding Site within the N-terminal C2-like Domain. Journal of Biological Chemistry, 2005, 280, 26913-26921.	3.4	35
123	Role of p38 mitogenâ€activated protein kinase in linking stearoylâ€CoA desaturaseâ€1 activity with endoplasmic reticulum homeostasis. FASEB Journal, 2015, 29, 2439-2449.	0.5	35
124	Boswellic acids from frankincense inhibit lipopolysaccharide functionality through direct molecular interference. Biochemical Pharmacology, 2012, 83, 115-121.	4.4	34
125	Selective upregulation of TNFÎ± expression in classically-activated human monocyte-derived macrophages (M1) through pharmacological interference with V-ATPase. Biochemical Pharmacology, 2017, 130, 71-82.	4.4	34
126	5â€Lipoxygenaseâ€activating protein rescues activity of 5â€lipoxygenase mutations that delay nuclear membrane association and disrupt product formation. FASEB Journal, 2016, 30, 1892-1900.	0.5	33

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127	Discovery of the first dual inhibitor of the 5-lipoxygenase-activating protein and soluble epoxide hydrolase using pharmacophore-based virtual screening. Scientific Reports, 2017, 7, 42751.	3.3	33
128	Untangling the web of 5-lipoxygenase-derived products from a molecular and structural perspective: The battle between pro- and anti-inflammatory lipid mediators. Biochemical Pharmacology, 2021, 193, 114759.	4.4	33
129	Connecting lysosomes and mitochondria â€“ a novel role for lipid metabolism in cancer cell death. Cell Communication and Signaling, 2019, 17, 87.	6.5	32
130	A test system for leukotriene synthesis inhibitors based on the in-vitro differentiation of the human leukemic cell lines HL-60 and Mono Mac 6. Naunyn-Schmiedeberg's Archives of Pharmacology, 1997, 356, 441-445.	3.0	31
131	Imbricaric Acid and Perlatolic Acid: Multi-Targeting Anti-Inflammatory Depsides from Cetrelia monachorum. PLoS ONE, 2013, 8, e76929.	2.5	30
132	Design, synthesis and evaluation of semi-synthetic triazole-containing caffeic acid analogues as 5-lipoxygenase inhibitors. European Journal of Medicinal Chemistry, 2015, 101, 573-583.	5.5	30
133	Sphingosineâ€1â€phosphate (S1P) induces potent antiâ€inflammatory effectsin vitroandin vivoby S1P receptor 4â€mediated suppression of 5â€lipoxygenase activity. FASEB Journal, 2019, 33, 1711-1726.	0.5	30
134	Discovery and Biological Evaluation of a Novel Class of Dual Microsomal Prostaglandin E₂Synthase-1/5-lipoxygenase Inhibitors Based on 2-[(4,6-Diphenethoxypyrimidin-2-yl)thio]hexanoic Acid. Journal of Medicinal Chemistry, 2011, 54, 4490-4507.	6.4	29
135	Myxochelins Target Human 5-Lipoxygenase. Journal of Natural Products, 2015, 78, 335-338.	3.0	29
136	Can Small Chemical Modifications of Natural Pan-inhibitors Modulate the Biological Selectivity? The Case of Curcumin Prenylated Derivatives Acting as HDAC or mPGES-1 Inhibitors. Journal of Natural Products, 2015, 78, 2867-2879.	3.0	29
137	Discovery of new potent molecular entities able to inhibit mPGES-1. European Journal of Medicinal Chemistry, 2018, 143, 1419-1427.	5.5	29
138	Pyrazol-3-propanoic acid derivatives as novel inhibitors of leukotriene biosynthesis in human neutrophils. European Journal of Medicinal Chemistry, 2011, 46, 5021-5033.	5.5	28
139	Cinnamyl-3,4-Dihydroxy-Î±-Cyanocinnamate Is a Potent Inhibitor of 5-Lipoxygenase. Journal of Pharmacology and Experimental Therapeutics, 2011, 338, 205-213.	2.5	28
140	The novel SinupretÂ® dry extract exhibits anti-inflammatory effectiveness in vivo. FÃ¬toterapÃ¬Ã¢, 2012, 83, 715-720.	2.2	28
141	Novel and Potent Inhibitors of 5-Lipoxygenase Product Synthesis Based on the Structure of Pirinixic Acid. Journal of Medicinal Chemistry, 2008, 51, 5449-5453.	6.4	27
142	A Multicomponent Carbaâ€Betti Strategy to Alkylidene Heterodimers â€“ Total Synthesis and Structureâ€“Activity Relationships of Arzanol. European Journal of Organic Chemistry, 2012, 2012, 772-779.	2.4	27
143	Chromatographic separation and biological evaluation of benzimidazole derivative enantiomers as inhibitors of leukotriene biosynthesis. Journal of Pharmaceutical and Biomedical Analysis, 2014, 89, 88-92.	2.8	27
144	Anthranilic acid derivatives as novel ligands for farnesoid X receptor (FXR). Bioorganic and Medicinal Chemistry, 2014, 22, 2447-2460.	3.0	27

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145	Semisynthetic and Natural Garcinoic Acid Isoforms as New mPGES-1 Inhibitors. Planta Medica, 2016, 82, 1110-1116.	1.3	27
146	Protective effect of piceatannol and bioactive stilbene derivatives against hypoxia-induced toxicity in H9c2 cardiomyocytes and structural elucidation as 5-LOX inhibitors. European Journal of Medicinal Chemistry, 2019, 180, 637-647.	5.5	27
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