

Craig E Wheelock

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166
papers

5,291
citations

42
h-index

65
g-index

185
ext. papers

6,719
ext. citations

6.7
avg, IF

5.68
L-index

#	Paper	IF	Citations
166	Metabolomic profiling reveals extensive adrenal suppression due to inhaled corticosteroid therapy in asthma.. <i>Nature Medicine</i> , 2022 ,	50.5	3
165	Mild COVID-19 imprints a long-term inflammatory eicosanoid- and chemokine memory in monocyte-derived macrophages.. <i>Mucosal Immunology</i> , 2022 ,	9.2	2
164	ELIXIR and Toxicology: a community in development. <i>F1000Research</i> , 2021 , 10, 1129	3.6	0
163	Plasma proteins elevated in severe asthma despite oral steroid use and unrelated to Type-2 inflammation. <i>European Respiratory Journal</i> , 2021 ,	13.6	1
162	Metabo-Endotypes of Asthma Reveal Differences in Lung Function: Discovery and Validation in two TOPMed Cohorts. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 ,	10.2	3
161	Distinct effects of antigen and compound 48/80 in the guinea pig trachea. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 2270-2273	9.3	0
160	High-Precision Automated Workflow for Urinary Untargeted Metabolomic Epidemiology. <i>Analytical Chemistry</i> , 2021 , 93, 5248-5258	7.8	5
159	Mapping atopic dermatitis and anti-IL-22 response signatures to type 2-low severe neutrophilic asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2021 ,	11.5	2
158	Characteristics and Mechanisms of a Sphingolipid-associated Childhood Asthma Endotype. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 853-863	10.2	7
157	Reply to Thomson: Exposure to Active and Passive Tobacco Smoke on Urinary Eicosanoid Metabolites in Type 2 Asthma. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 1204-1205 ⁴	10.2	4
156	COX-1 dependent biosynthesis of 15-hydroxyeicosatetraenoic acid in human mast cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021 , 1866, 158886	5	1
155	A strategy for advancing for population-based scientific discovery using the metabolome: the establishment of the Metabolomics Society Metabolomic Epidemiology Task Group. <i>Metabolomics</i> , 2021 , 17, 45	4.7	2
154	Fat-Secreted Ceramides Regulate Vascular Redox State and Influence Outcomes in Patients With Cardiovascular Disease. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 2494-2513	15.1	17
153	Low-level exposure to polycyclic aromatic hydrocarbons is associated with reduced lung function among Swedish young adults. <i>Environmental Research</i> , 2021 , 197, 111169	7.9	2
152	Urinary Leukotriene E and Prostaglandin D Metabolites Increase in Adult and Childhood Severe Asthma Characterized by Type 2 Inflammation. A Clinical Observational Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 37-53	10.2	22
151	Type 2-low asthma phenotypes by integration of sputum transcriptomics and serum proteomics. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 380-383	9.3	4
150	Selective inhibition of prostaglandin D biosynthesis in human mast cells to overcome need for multiple receptor antagonists: Biochemical consequences. <i>Clinical and Experimental Allergy</i> , 2021 , 51, 594-603	4.1	2

149	Untargeted LC-MS Metabolomics for the Analysis of Micro-scaled Extracellular Metabolites from Hepatocytes. <i>Analytical Sciences</i> , 2021 , 37, 1049-1052	1.7	0
148	Medication Adherence in Patients With Severe Asthma Prescribed Oral Corticosteroids in the U-BIOPRED Cohort. <i>Chest</i> , 2021 , 160, 53-64	5.3	1
147	Spatiotemporal determination of metabolite activities in the corneal epithelium on a chip. <i>Experimental Eye Research</i> , 2021 , 209, 108646	3.7	0
146	Utilizing a Biology-Driven Approach to Map the Exposome in Health and Disease: An Essential Investment to Drive the Next Generation of Environmental Discovery. <i>Environmental Health Perspectives</i> , 2021 , 129, 85001	8.4	6
145	Defining the Scope of Exposome Studies and Research Needs from a Multidisciplinary Perspective. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 839-852	11	10
144	Hyperglycemia Induces Trained Immunity in Macrophages and Their Precursors and Promotes Atherosclerosis. <i>Circulation</i> , 2021 , 144, 961-982	16.7	18
143	Prostaglandin D inhibits mediator release and antigen induced bronchoconstriction in the Guinea pig trachea by activation of DP receptors. <i>European Journal of Pharmacology</i> , 2021 , 907, 174282	5.3	0
142	Intake of Camelina Sativa Oil and Fatty Fish Alter the Plasma Lipid Mediator Profile in Subjects with Impaired Glucose Metabolism - A Randomized Controlled Trial. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020 , 159, 102143	2.8	10
141	Omega-3 Polyunsaturated Fatty Acids Decrease Aortic Valve Disease Through the Resolvin E1 and ChemR23 Axis. <i>Circulation</i> , 2020 , 142, 776-789	16.7	16
140	Abnormal n-6 fatty acid metabolism in cystic fibrosis contributes to pulmonary symptoms. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2020 , 160, 102156	2.8	5
139	"Removal of nitrate and nitrite by hemodialysis in end-stage renal disease and by sustained low-efficiency dialysis in acute kidney injury". <i>Nitric Oxide - Biology and Chemistry</i> , 2020 , 98, 33-40	5	4
138	Lipoxin A reduces house dust mite and TNF α induced hyperreactivity in the mouse trachea. <i>Prostaglandins and Other Lipid Mediators</i> , 2020 , 149, 106428	3.7	2
137	Eosinophils synthesize trihydroxyoctadecenoic acids (TriHOMEs) via a 15-lipoxygenase dependent process. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158611	5	4
136	Activation of metabolite receptor GPR91 promotes platelet aggregation and transcellular biosynthesis of leukotriene C. <i>Journal of Thrombosis and Haemostasis</i> , 2020 , 18, 976-984	15.4	3
135	Targeting a scavenger receptor on tumor-associated macrophages activates tumor cell killing by natural killer cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 32005-32016	11.5	28
134	Glutamine Links Obesity to Inflammation in Human White Adipose Tissue. <i>Cell Metabolism</i> , 2020 , 31, 375-390.e11	24.6	56
133	Metabolism in tumour-associated macrophages: a with the tumour microenvironment. <i>European Respiratory Review</i> , 2020 , 29,	9.8	10
132	Correlation-Based Deconvolution (CorrDec) To Generate High-Quality MS2 Spectra from Data-Independent Acquisition in Multisample Studies. <i>Analytical Chemistry</i> , 2020 , 92, 11310-11317	7.8	14

131	Metabolic Signatures of the Exposome-Quantifying the Impact of Exposure to Environmental Chemicals on Human Health. <i>Metabolites</i> , 2020 , 10,	5.6	16
130	Changes of tear lipid mediators after eyelid warming or thermopulsation treatment for meibomian gland dysfunction. <i>Prostaglandins and Other Lipid Mediators</i> , 2020 , 151, 106474	3.7	6
129	Cytoplasmic Citrate Flux Modulates the Immune Stimulatory NKG2D Ligand MICA in Cancer Cells. <i>Frontiers in Immunology</i> , 2020 , 11, 1968	8.4	1
128	Disturbed glucose and pyruvate metabolism in glaucoma with neuroprotection by pyruvate or rapamycin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 33619-33627	11.5	19
127	Exhaled volatile organic compounds as markers for medication use in asthma. <i>European Respiratory Journal</i> , 2020 , 55,	13.6	7
126	Targeted lipidomics reveals extensive changes in circulating lipid mediators in patients with acutely decompensated cirrhosis. <i>Journal of Hepatology</i> , 2020 , 73, 817-828	13.4	19
125	Dysregulation of the Tryptophan Pathway Evidences Gender Differences in COPD. <i>Metabolites</i> , 2019 , 9,	5.6	11
124	Integration of Metabolomic and Other Omics Data in Population-Based Study Designs: An Epidemiological Perspective. <i>Metabolites</i> , 2019 , 9,	5.6	31
123	Inhibition of mPGES-1 or COX-2 Results in Different Proteomic and Lipidomic Profiles in A549 Lung Cancer Cells. <i>Frontiers in Pharmacology</i> , 2019 , 10, 636	5.6	10
122	Effect of spironolactone for 1 yr on endothelial function and vascular inflammation biomarkers in renal transplant recipients. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 317, F529-F539	4.3	5
121	Circulating Levels of Interferon Regulatory Factor-5 Associates With Subgroups of Systemic Lupus Erythematosus Patients. <i>Frontiers in Immunology</i> , 2019 , 10, 1029	8.4	8
120	Quantitative metabolic profiling of urinary eicosanoids for clinical phenotyping. <i>Journal of Lipid Research</i> , 2019 , 60, 1164-1173	6.3	8
119	Metabolomics of neonatal blood spots reveal distinct phenotypes of pediatric acute lymphoblastic leukemia and potential effects of early-life nutrition. <i>Cancer Letters</i> , 2019 , 452, 71-78	9.9	21
118	Challenges, progress and promises of metabolite annotation for LC-MS-based metabolomics. <i>Current Opinion in Biotechnology</i> , 2019 , 55, 44-50	11.4	130
117	Exhaustion of CD4+ T-cells mediated by the Kynurenine Pathway in Melanoma. <i>Scientific Reports</i> , 2019 , 9, 12150	4.9	29
116	Therapeutic efficacy of dimethyl fumarate in relapsing-remitting multiple sclerosis associates with ROS pathway in monocytes. <i>Nature Communications</i> , 2019 , 10, 3081	17.4	63
115	MYCN-enhanced Oxidative and Glycolytic Metabolism Reveals Vulnerabilities for Targeting Neuroblastoma. <i>IScience</i> , 2019 , 21, 188-204	6.1	21
114	Creating a Reliable Mass Spectral-Retention Time Library for All Ion Fragmentation-Based Metabolomics. <i>Metabolites</i> , 2019 , 9,	5.6	15

113	Metabolomic Analysis of Yeast and Human Cells: Latest Advances and Challenges. <i>Methods in Molecular Biology</i> , 2019 , 2049, 233-245	1.4	1
112	Cytokine-induced endogenous production of prostaglandin D is essential for human group 2 innate lymphoid cell activation. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 2202-2214.e5	11.5	40
111	Inflammatory response to dietary linoleic acid depends on FADS1 genotype. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 165-175	7	33
110	Exosomes and cells from lung cancer pleural exudates transform LTC4 to LTD4, promoting cell migration and survival via CysLT1. <i>Cancer Letters</i> , 2019 , 444, 1-8	9.9	20
109	Adipocyte Expression of SLC19A1 Links DNA Hypermethylation to Adipose Tissue Inflammation and Insulin Resistance. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018 , 103, 710-721	5.6	18
108	Cerebrospinal fluid levels of sphingolipids associate with disease severity in first episode psychosis patients. <i>Schizophrenia Research</i> , 2018 , 199, 438-441	3.6	4
107	The influence of culture media upon observed cell secretome metabolite profiles: The balance between cell viability and data interpretability. <i>Analytica Chimica Acta</i> , 2018 , 1037, 338-350	6.6	24
106	Integration of multi-omics datasets enables molecular classification of COPD. <i>European Respiratory Journal</i> , 2018 , 51,	13.6	41
105	Leukotriene E induces airflow obstruction and mast cell activation through the cysteinyl leukotriene type 1 receptor. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 142, 1080-1089	11.5	27
104	The Eicosanoids, Redox-Regulated Lipid Mediators in Immunometabolic Disorders. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 275-296	8.4	21
103	Lipid Mediator Quantification in Isolated Human and Guinea Pig Airways: An Expanded Approach for Respiratory Research. <i>Analytical Chemistry</i> , 2018 , 90, 10239-10248	7.8	26
102	Different Lipid Regulation in Ovarian Cancer: Inhibition of the Immune System. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	14
101	Effect of psychiatric drugs on Daphnia magna oxylipin profiles. <i>Science of the Total Environment</i> , 2018 , 644, 1101-1109	10.2	14
100	ERV1/ChemR23 Signaling Protects Against Atherosclerosis by Modifying Oxidized Low-Density Lipoprotein Uptake and Phagocytosis in Macrophages. <i>Circulation</i> , 2018 , 138, 1693-1705	16.7	81
99	MS-based lipidomics of human blood plasma: a community-initiated position paper to develop accepted guidelines. <i>Journal of Lipid Research</i> , 2018 , 59, 2001-2017	6.3	146
98	An LC-MS/MS workflow to characterize 16 regio- and stereoisomeric trihydroxyoctadecenoic acids. <i>Journal of Lipid Research</i> , 2018 , 59, 2025-2033	6.3	12
97	LC-MS-Based Metabolomics of Biofluids Using All-Ion Fragmentation (AIF) Acquisition. <i>Methods in Molecular Biology</i> , 2018 , 1730, 45-58	1.4	10
96	Aronia-citrus juice (polyphenol-rich juice) intake and elite triathlon training: a lipidomic approach using representative oxylipins in urine. <i>Food and Function</i> , 2018 , 9, 463-475	6.1	18

95	Increased Levels of Circulating Fatty Acids Are Associated with Protective Effects against Future Cardiovascular Events in Nondiabetics. <i>Journal of Proteome Research</i> , 2018 , 17, 870-878	5.6	9
94	Changes in arterial pressure and markers of nitric oxide homeostasis and oxidative stress following surgical correction of hydronephrosis in children. <i>Pediatric Nephrology</i> , 2018 , 33, 639-649	3.2	6
93	Soluble epoxide hydrolase derived lipid mediators are elevated in bronchoalveolar lavage fluid from patients with sarcoidosis: a cross-sectional study. <i>Respiratory Research</i> , 2018 , 19, 236	7.3	1
92	Enhanced oxidative stress in smoking and ex-smoking severe asthma in the U-BIOPRED cohort. <i>PLoS ONE</i> , 2018 , 13, e0203874	3.7	9
91	OnPLS-Based Multi-Block Data Integration: A Multivariate Approach to Interrogating Biological Interactions in Asthma. <i>Analytical Chemistry</i> , 2018 , 90, 13400-13408	7.8	18
90	Metabolic reprogramming of acute lymphoblastic leukemia cells in response to glucocorticoid treatment. <i>Cell Death and Disease</i> , 2018 , 9, 846	9.8	20
89	Prominent release of lipoxygenase generated mediators in a murine house dust mite-induced asthma model. <i>Prostaglandins and Other Lipid Mediators</i> , 2018 , 137, 20-29	3.7	5
88	Peri-ovulatory endocrine regulation of the prostanoid pathways in the bovine uterus at early dioestrus. <i>Reproduction, Fertility and Development</i> , 2017 , 29, 544-556	1.8	4
87	Aspirin-triggered lipoxin A4 inhibits atherosclerosis progression in apolipoprotein E mice. <i>British Journal of Pharmacology</i> , 2017 , 174, 4043-4054	8.6	65
86	Development of a Liquid Chromatography-High Resolution Mass Spectrometry Metabolomics Method with High Specificity for Metabolite Identification Using All Ion Fragmentation Acquisition. <i>Analytical Chemistry</i> , 2017 , 89, 7933-7942	7.8	74
85	Metabolomics analysis identifies different metabolotypes of asthma severity. <i>European Respiratory Journal</i> , 2017 , 49,	13.6	96
84	New insights into the effects of onion consumption on lipid mediators using a diet-induced model of hypercholesterolemia. <i>Redox Biology</i> , 2017 , 11, 205-212	11.3	16
83	Harmonizing lipidomics: NIST interlaboratory comparison exercise for lipidomics using SRM 1950-Metabolites in Frozen Human Plasma. <i>Journal of Lipid Research</i> , 2017 , 58, 2275-2288	6.3	220
82	Kynurenine aminotransferase activity of Aro8/Aro9 engage tryptophan degradation by producing kynurenic acid in <i>Saccharomyces cerevisiae</i> . <i>Scientific Reports</i> , 2017 , 7, 12180	4.9	20
81	Deciphering lipid structures based on platform-independent decision rules. <i>Nature Methods</i> , 2017 , 14, 1171-1174	21.6	81
80	A Method for Measuring Metabolism in Sorted Subpopulations of Complex Cell Communities Using Stable Isotope Tracing. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	2
79	Renal denervation attenuates hypertension and renal dysfunction in a model of cardiovascular and renal disease, which is associated with reduced NADPH and xanthine oxidase activity. <i>Redox Biology</i> , 2017 , 13, 522-527	11.3	13
78	GM-CSF- and M-CSF-primed macrophages present similar resolving but distinct inflammatory lipid mediator signatures. <i>FASEB Journal</i> , 2017 , 31, 4370-4381	0.9	35

77	Metabolomics analysis identifies sex-associated metabolotypes of oxidative stress and the autotaxin-lysoPA axis in COPD. <i>European Respiratory Journal</i> , 2017 , 49,	13.6	55
76	U-BIOPRED clinical adult asthma clusters linked to a subset of sputum omics. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 139, 1797-1807	11.5	163
75	Arginase Inhibition Improves Microvascular Endothelial Function in Patients With Type 2 Diabetes Mellitus. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 3952-3958	5.6	43
74	Linoleic acid-derived lipid mediators increase in a female-dominated subphenotype of COPD. <i>European Respiratory Journal</i> , 2016 , 47, 1645-56	13.6	46
73	Activated prostaglandin D2 receptors on macrophages enhance neutrophil recruitment into the lung. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 833-43	11.5	42
72	Metabolite Profiling and Stable Isotope Tracing in Sorted Subpopulations of Mammalian Cells. <i>Analytical Chemistry</i> , 2016 , 88, 2707-13	7.8	21
71	Peritoneal dialysis impairs nitric oxide homeostasis and may predispose infants with low systolic blood pressure to cerebral ischemia. <i>Nitric Oxide - Biology and Chemistry</i> , 2016 , 58, 1-9	5	7
70	Genetic Abrogation of Adenosine A3 Receptor Prevents Uninephrectomy and High Salt-Induced Hypertension. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	22
69	Innate Invariant NKT Cell Recognition of HIV-1-Infected Dendritic Cells Is an Early Detection Mechanism Targeted by Viral Immune Evasion. <i>Journal of Immunology</i> , 2016 , 197, 1843-51	5.3	14
68	Dietary nitrate improves age-related hypertension and metabolic abnormalities in rats via modulation of angiotensin II receptor signaling and inhibition of superoxide generation. <i>Free Radical Biology and Medicine</i> , 2016 , 99, 87-98	7.8	57
67	Effects of long-term dietary nitrate supplementation in mice. <i>Redox Biology</i> , 2015 , 5, 234-242	11.3	47
66	LC-MS metabolomics of psoriasis patients reveals disease severity-dependent increases in circulating amino acids that are ameliorated by anti-TNF α treatment. <i>Journal of Proteome Research</i> , 2015 , 14, 557-66	5.6	50
65	The effect of omega-3 fatty acids on bronchial hyperresponsiveness, sputum eosinophilia, and mast cell mediators in asthma. <i>Chest</i> , 2015 , 147, 397-405	5.3	25
64	Circulating levels of sphingosine-1-phosphate are elevated in severe, but not mild psoriasis and are unresponsive to anti-TNF α treatment. <i>Scientific Reports</i> , 2015 , 5, 12017	4.9	24
63	Lipid mediator profile in vernix caseosa reflects skin barrier development. <i>Scientific Reports</i> , 2015 , 5, 15740	4.9	13
62	Hexosylceramides as intrathecal markers of worsening disability in multiple sclerosis. <i>Multiple Sclerosis Journal</i> , 2015 , 21, 1271-9	5	29
61	Urinary excretion of lipid mediators in response to repeated eucapnic voluntary hyperpnea in asthmatic subjects. <i>Journal of Applied Physiology</i> , 2015 , 119, 272-9	3.7	10
60	Effects of selective COX-2 inhibition on allergen-induced bronchoconstriction and airway inflammation in asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 306-13	11.5	38

59	Dietary nitrate reduces resting metabolic rate: a randomized, crossover study in humans. <i>American Journal of Clinical Nutrition</i> , 2014 , 99, 843-50	7	62
58	A3.28 Screening of sphingolipids in SLE before and after treatment. <i>Annals of the Rheumatic Diseases</i> , 2014 , 73, A53.2-A53	2.4	1
57	A9.6 Effect of mPGES-1 targeting on lipid metabolism in human cells. <i>Annals of the Rheumatic Diseases</i> , 2014 , 73, A94.1-A94	2.4	
56	High-dose simvastatin exhibits enhanced lipid-lowering effects relative to simvastatin/ezetimibe combination therapy. <i>Circulation: Cardiovascular Genetics</i> , 2014 , 7, 955-964		8
55	Network analysis in the investigation of chronic respiratory diseases. From basics to application. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 981-8	10.2	36
54	Lipid mediator profiles differ between lung compartments in asthmatic and healthy humans. <i>European Respiratory Journal</i> , 2014 , 43, 453-63	13.6	19
53	Quantitative metabolic profiling of lipid mediators. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 1359-77	5.9	23
52	Lipid mediator serum profiles in asthmatics significantly shift following dietary supplementation with omega-3 fatty acids. <i>Molecular Nutrition and Food Research</i> , 2013 , 57, 1378-89	5.9	37
51	Quantification of lipid mediator metabolites in human urine from asthma patients by electrospray ionization mass spectrometry: controlling matrix effects. <i>Analytical Chemistry</i> , 2013 , 85, 7866-74	7.8	37
50	Trials and tribulations of Qmics data analysis: assessing quality of SIMCA-based multivariate models using examples from pulmonary medicine. <i>Molecular BioSystems</i> , 2013 , 9, 2589-96		184
49	Application of Qmics technologies to biomarker discovery in inflammatory lung diseases. <i>European Respiratory Journal</i> , 2013 , 42, 802-25	13.6	174
48	Lipid mediator metabolic profiling demonstrates differences in eicosanoid patterns in two phenotypically distinct mast cell populations. <i>Journal of Lipid Research</i> , 2013 , 54, 116-26	6.3	30
47	Dendritic cell reprogramming by endogenously produced lactic acid. <i>Journal of Immunology</i> , 2013 , 191, 3090-9	5.3	100
46	Building multivariate systems biology models. <i>Analytical Chemistry</i> , 2012 , 84, 7064-71	7.8	43
45	Application of metabolomics approaches to the study of respiratory diseases. <i>Bioanalysis</i> , 2012 , 4, 2265-20		45
44	Allergic asthmatics show divergent lipid mediator profiles from healthy controls both at baseline and following birch pollen provocation. <i>PLoS ONE</i> , 2012 , 7, e33780	3.7	43
43	12- and 15-lipoxygenases in human carotid atherosclerotic lesions: associations with cerebrovascular symptoms. <i>Atherosclerosis</i> , 2011 , 215, 411-6	3.1	59
42	Asthmatics exhibit altered oxylipin profiles compared to healthy individuals after subway air exposure. <i>PLoS ONE</i> , 2011 , 6, e23864	3.7	46

41	Lipid mediator profiling in pulmonary disease. <i>Current Pharmaceutical Biotechnology</i> , 2011 , 12, 1026-52	2.6	50
40	Systems Biology Approaches for Investigating the Relationship Between Lipids and Cardiovascular Disease. <i>Current Cardiovascular Risk Reports</i> , 2011 , 5, 52-61	0.9	1
39	Advances in eicosanoid research, novel therapeutic implications. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 396, 135-9	3.4	87
38	varDB: a database of antigenic variant sequences--current status and future prospects. <i>Acta Tropica</i> , 2010 , 114, 144-51	3.2	3
37	The use of network analyses for elucidating mechanisms in cardiovascular disease. <i>Molecular BioSystems</i> , 2010 , 6, 289-304		76
36	Comparison of benzil and trifluoromethyl ketone (TFK)-mediated carboxylesterase inhibition using classical and 3D-quantitative structure-activity relationship analysis. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 149-64	3.4	32
35	Systems biology approaches and pathway tools for investigating cardiovascular disease. <i>Molecular BioSystems</i> , 2009 , 5, 588-602		82
34	Bioinformatics strategies for the analysis of lipids. <i>Methods in Molecular Biology</i> , 2009 , 580, 339-68	1.4	20
33	Applications of carboxylesterase activity in environmental monitoring and toxicity identification evaluations (TIEs). <i>Reviews of Environmental Contamination and Toxicology</i> , 2008 , 195, 117-78	3.5	108
32	Development of metabolically stable inhibitors of Mammalian microsomal epoxide hydrolase. <i>Chemical Research in Toxicology</i> , 2008 , 21, 951-7	4	30
31	Effects of pyridine exposure upon structural lipid metabolism in Swiss Webster mice. <i>Chemical Research in Toxicology</i> , 2008 , 21, 583-90	4	5
30	varDB: a pathogen-specific sequence database of protein families involved in antigenic variation. <i>Bioinformatics</i> , 2008 , 24, 2564-5	7.2	15
29	Influence of sulfur oxidation state and steric bulk upon trifluoromethyl ketone (TFK) binding kinetics to carboxylesterases and fatty acid amide hydrolase (FAAH). <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 2114-30	3.4	7
28	Identification of endocrine disruptor biodegradation by integration of structure-activity relationship with pathway analysis. <i>Environmental Science & Technology</i> , 2007 , 41, 7997-8003	10.3	11
27	Diverse roles of 2-arachidonoylglycerol in invasion of prostate carcinoma cells: Location, hydrolysis and 12-lipoxygenase metabolism. <i>International Journal of Cancer</i> , 2007 , 121, 984-91	7.5	45
26	Clofibrate-induced changes in the liver, heart, brain and white adipose lipid metabolome of Swiss-Webster mice. <i>Metabolomics</i> , 2007 , 3, 137-145	4.7	20
25	Analysis of mammalian carboxylesterase inhibition by trifluoromethylketone-containing compounds. <i>Molecular Pharmacology</i> , 2007 , 71, 713-23	4.3	37
24	PfEMP1-DBL1alpha amino acid motifs in severe disease states of Plasmodium falciparum malaria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 15835-40	11.5	71

23	Enlistment of omics technologies in the fight against malaria: Panacea or Pandora's Box?. <i>Journal of Pesticide Sciences</i> , 2006 , 31, 263-272	2.7	2
22	High-throughput screening of ecdysone agonists using a reporter gene assay followed by 3-D QSAR analysis of the molting hormonal activity. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 1143-59	3.4	55
21	Use of carboxylesterase activity to remove pyrethroid-associated toxicity to <i>Ceriodaphnia dubia</i> and <i>Hyalella azteca</i> in toxicity identification evaluations. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 973-84	3.8	34
20	The omicization of agrochemical research. <i>Journal of Pesticide Sciences</i> , 2006 , 31, 240-244	2.7	5
19	Structure-activity relationships and pathway analysis of biological degradation processes. <i>Journal of Pesticide Sciences</i> , 2006 , 31, 273-281	2.7	
18	A new class of inhibitors of 2-arachidonoylglycerol hydrolysis and invasion of prostate cancer cells. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 332, 1028-33	3.4	41
17	Influence of container adsorption upon observed pyrethroid toxicity to <i>Ceriodaphnia dubia</i> and <i>Hyalella azteca</i> . <i>Aquatic Toxicology</i> , 2005 , 74, 47-52	5.1	58
16	Individual variability in esterase activity and CYP1A levels in Chinook salmon (<i>Oncorhynchus tshawytscha</i>) exposed to esfenvalerate and chlorpyrifos. <i>Aquatic Toxicology</i> , 2005 , 74, 172-92	5.1	110
15	Overview of Carboxylesterases and Their Role in the Metabolism of Insecticides. <i>Journal of Pesticide Sciences</i> , 2005 , 30, 75-83	2.7	180
14	Evaluation of alpha-cyano ethers as fluorescent substrates for assay of cytochrome P450 enzyme activity. <i>Analytical Biochemistry</i> , 2005 , 344, 183-92	3.1	8
13	Identification, expression, and purification of a pyrethroid-hydrolyzing carboxylesterase from mouse liver microsomes. <i>Journal of Biological Chemistry</i> , 2004 , 279, 29863-9	5.4	50
12	Investigation of the role of a second conserved serine in carboxylesterases via site-directed mutagenesis. <i>Archives of Biochemistry and Biophysics</i> , 2004 , 430, 247-55	4.1	13
11	Evaluation of alpha-cyanoesters as fluorescent substrates for examining interindividual variation in general and pyrethroid-selective esterases in human liver microsomes. <i>Analytical Biochemistry</i> , 2003 , 315, 208-22	3.1	47
10	Use of classical and 3-D QSAR to examine the hydration state of juvenile hormone esterase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2003 , 11, 5101-16	3.4	15
9	Juvenile hormone (JH) esterase: why are you so JH specific?. <i>Insect Biochemistry and Molecular Biology</i> , 2003 , 33, 1261-73	4.5	60
8	Joint acute toxicity of esfenvalerate and diazinon to larval fathead minnows (<i>Pimephales promelas</i>). <i>Environmental Toxicology and Chemistry</i> , 2003 , 22, 336-41	3.8	7
7	Structural refinement of inhibitors of urea-based soluble epoxide hydrolases. <i>Biochemical Pharmacology</i> , 2002 , 63, 1599-608	6	156
6	Use of ab initio calculations to predict the biological potency of carboxylesterase inhibitors. <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 5576-93	8.3	31

5	Synthesis of new carboxylesterase inhibitors and evaluation of potency and water solubility. <i>Chemical Research in Toxicology</i> , 2001 , 14, 1563-72	4	60
4	3-D QSAR analysis of inhibition of murine soluble epoxide hydrolase (MsEH) by benzoylureas, arylureas, and their analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2000 , 8, 2663-73	3-4	33
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