

Nils Helge Schebb

List of Publications by Year in descending order

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103
papers

3,294
citations

172457

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h-index

175258

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103
all docs

103
docs citations

103
times ranked

4428
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary Fatty Acids Directly Impact Central Nervous System Autoimmunity via the Small Intestine. <i>Immunity</i> , 2015, 43, 817-829.	14.3	637
2	Investigation of Human Exposure to Triclocarban after Showering and Preliminary Evaluation of Its Biological Effects. <i>Environmental Science & Technology</i> , 2011, 45, 3109-3115.	10.0	96
3	Comparison of free serum oxylipin concentrations in hyper- vs. normolipidemic men. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2013, 89, 19-29.	2.2	90
4	Comparison of sample preparation methods for the quantitative analysis of eicosanoids and other oxylipins in plasma by means of LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 1403-1414.	3.7	89
5	Targeted metabolomics of the arachidonic acid cascade: current state and challenges of LC-MS analysis of oxylipins. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2675-2683.	3.7	89
6	Investigation of the Hepatic Glucuronidation Pattern of the Fusarium Mycotoxin Deoxynivalenol in Various Species. <i>Chemical Research in Toxicology</i> , 2012, 25, 2715-2717.	3.3	73
7	Determining the fatty acid composition in plasma and tissues as fatty acid methyl esters using gas chromatography – a comparison of different derivatization and extraction procedures. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014, 91, 235-241.	2.2	73
8	Formation, Signaling and Occurrence of Specialized Pro-Resolving Lipid Mediators – What is the Evidence so far?. <i>Frontiers in Pharmacology</i> , 2022, 13, 838782.	3.5	70
9	Comparison of the effects of long-chain omega-3 fatty acid supplementation on plasma levels of free and esterified oxylipins. <i>Prostaglandins and Other Lipid Mediators</i> , 2014, 113-115, 21-29.	1.9	68
10	Investigation of the absorption of resveratrol oligomers in the Caco-2 cellular model of intestinal absorption. <i>Food Chemistry</i> , 2015, 167, 245-250.	8.2	65
11	Development of an LC-ESI(-)-MS/MS method for the simultaneous quantification of 35 isoprostanes and isofurans derived from the major n3- and n6-PUFAs. <i>Analytica Chimica Acta</i> , 2018, 1037, 63-74.	5.4	65
12	Effects of omega-3 fatty acid supplementation on the pattern of oxylipins: a short review about the modulation of hydroxy-, dihydroxy-, and epoxy-fatty acids. <i>Food and Function</i> , 2017, 8, 2355-2367.	4.6	60
13	Mammalian ALOX15 orthologs exhibit pronounced dual positional specificity with docosahexaenoic acid. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 666-675.	2.4	60
14	Modulation of blood oxylipin levels by long-chain omega-3 fatty acid supplementation in hyper- and normolipidemic men. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2014, 90, 27-37.	2.2	59
15	Plasma oxylipins respond in a linear dose-response manner with increased intake of EPA and DHA: results from a randomized controlled trial in healthy humans. <i>American Journal of Clinical Nutrition</i> , 2019, 109, 1251-1263.	4.7	59
16	Development of an Optimized LC-MS Method for the Detection of Specialized Pro-Resolving Mediators in Biological Samples. <i>Frontiers in Pharmacology</i> , 2019, 10, 169.	3.5	59
17	MS-based targeted metabolomics of eicosanoids and other oxylipins: Analytical and inter-individual variabilities. <i>Free Radical Biology and Medicine</i> , 2019, 144, 72-89.	2.9	56
18	In vitro glucuronidation kinetics of deoxynivalenol by human and animal microsomes and recombinant human UGT enzymes. <i>Archives of Toxicology</i> , 2015, 89, 949-960.	4.2	52

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19	Role of soluble epoxide hydrolase phosphatase activity in the metabolism of lysophosphatidic acids. <i>Biochemical and Biophysical Research Communications</i> , 2012, 419, 796-800.	2.1	50
20	Efferocytosis potentiates the expression of arachidonate 15-lipoxygenase (ALOX15) in alternatively activated human macrophages through LXR activation. <i>Cell Death and Differentiation</i> , 2021, 28, 1301-1316.	11.2	46
21	Effects of a 12-week high- $\hat{\pm}$ -linolenic acid intervention on EPA and DHA concentrations in red blood cells and plasma oxylipin pattern in subjects with a low EPA and DHA status. <i>Food and Function</i> , 2018, 9, 1587-1600.	4.6	44
22	Bioconcentration, metabolism and excretion of triclocarban in larval Qurt medaka (<i>Oryzias latipes</i>). <i>Aquatic Toxicology</i> , 2011, 105, 448-454.	4.0	43
23	Oral treatment of rodents with soluble epoxide hydrolase inhibitor 1-(1-propanoylpiperidin-4-yl)-3-[4-(trifluoromethoxy)phenyl]urea (TPPU): Resulting drug levels and modulation of oxylipin pattern. <i>Prostaglandins and Other Lipid Mediators</i> , 2015, 121, 131-137.	1.9	43
24	Analysis of glutathione adducts of patulin by means of liquid chromatography (HPLC) with biochemical detection (BCD) and electrospray ionization tandem mass spectrometry (ESI-MS/MS). <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1361-1373.	3.7	42
25	Influence of weight reduction on blood levels of C-reactive protein, tumor necrosis factor- $\hat{\pm}$, interleukin-6, and oxylipins in obese subjects. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016, 106, 39-49.	2.2	41
26	Increase of EPA-derived hydroxy, epoxy and dihydroxy fatty acid levels in human plasma after a single dose of long-chain omega-3 PUFA. <i>Prostaglandins and Other Lipid Mediators</i> , 2014, 109-111, 23-31.	1.9	40
27	Stability of oxylipins during plasma generation and long-term storage. <i>Talanta</i> , 2020, 217, 121074.	5.5	37
28	Application of LC and GC hyphenated with mass spectrometry as tool for characterization of unknown derivatives of isoflavonoids. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 239-250.	3.7	36
29	Characterization of changes in plasma and tissue oxylipin levels in LPS and CLP induced murine sepsis. <i>Inflammation Research</i> , 2016, 65, 133-142.	4.0	34
30	Targeting esterified oxylipins by LC-MS - Effect of sample preparation on oxylipin pattern. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 146, 106384.	1.9	31
31	Whole blood is the sample matrix of choice for monitoring systemic triclocarban levels. <i>Chemosphere</i> , 2012, 87, 825-827.	8.2	29
32	Effects of docosahexaenoic acid supplementation on PUFA levels in red blood cells and plasma. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2016, 115, 12-23.	2.2	29
33	Food Polyphenols Fail to Cause a Biologically Relevant Reduction of COX-2 Activity. <i>PLoS ONE</i> , 2015, 10, e0139147.	2.5	29
34	Development of an ultra fast online-solid phase extraction (SPE) liquid chromatography electrospray tandem mass spectrometry (LC-ESI-MS/MS) based approach for the determination of drugs in pharmacokinetic studies. <i>Analytical Methods</i> , 2011, 3, 420-428.	2.7	28
35	Lipid Class Specific Quantitative Analysis of n-3 Polyunsaturated Fatty Acids in Food Supplements. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 139-147.	5.2	28
36	Effects of chronic low-dose aspirin treatment on tumor prevention in three mouse models of intestinal tumorigenesis. <i>Cancer Medicine</i> , 2020, 9, 2535-2550.	2.8	28

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37	Effect of DHA supplementation on oxylipin levels in plasma and immune cell stimulated blood. Prostaglandins Leukotrienes and Essential Fatty Acids, 2017, 121, 76-87.	2.2	27
38	Oxylipin metabolism is controlled by mitochondrial \hat{I}^2 -oxidation during bacterial inflammation. Nature Communications, 2022, 13, 139.	12.8	27
39	Development of a Countergradient Parking System for Gradient Liquid Chromatography with Online Biochemical Detection of Serine Protease Inhibitors. Analytical Chemistry, 2008, 80, 6764-6772.	6.5	26
40	Development of a Rapid LC-UV Method for the Investigation of Chemical and Metabolic Stability of Resveratrol Oligomers. Journal of Agricultural and Food Chemistry, 2012, 60, 7844-7850.	5.2	26
41	Modulation of the endogenous omega-3 fatty acid and oxylipin profile in vivo – A comparison of the fat-1 transgenic mouse with C57BL/6 wildtype mice on an omega-3 fatty acid enriched diet. PLoS ONE, 2017, 12, e0184470.	2.5	26
42	Development of an online SPE – LC – MS-based assay using endogenous substrate for investigation of soluble epoxide hydrolase (sEH) inhibitors. Analytical and Bioanalytical Chemistry, 2011, 400, 1359-1366.	3.7	25
43	Fast sample preparation and liquid chromatography – tandem mass spectrometry method for assaying cell lysate acetylcholine. Journal of Chromatography A, 2008, 1183, 100-107.	3.7	24
44	Harmonized procedures lead to comparable quantification of total oxylipins across laboratories. Journal of Lipid Research, 2020, 61, 1424-1436.	4.2	24
45	Effects of a low and a high dietary LA/ALA ratio on long-chain PUFA concentrations in red blood cells. Food and Function, 2018, 9, 4742-4754.	4.6	23
46	Effect of Omega-3 Fatty Acid Supplementation on Oxylipins in a Routine Clinical Setting. International Journal of Molecular Sciences, 2018, 19, 180.	4.1	21
47	Development of a fast liquid chromatography/mass spectrometry screening method for angiotensin – converting enzyme (ACE) inhibitors in complex natural mixtures like snake venom. Rapid Communications in Mass Spectrometry, 2010, 24, 687-697.	1.5	20
48	Polyunsaturated fatty acid metabolites: biosynthesis in Leishmania and role in parasite/host interaction. Journal of Lipid Research, 2019, 60, 636-647.	4.2	20
49	Development of a liquid chromatography-based screening methodology for proteolytic enzyme activity. Journal of Chromatography A, 2009, 1216, 4407-4415.	3.7	19
50	The red clover isoflavone irilone is largely resistant to degradation by the human gut microbiota. Molecular Nutrition and Food Research, 2010, 54, 929-938.	3.3	19
51	Determining cyclooxygenase-2 activity in three different test systems utilizing online-solid phase extraction-liquid chromatography-mass spectrometry for parallel quantification of prostaglandin E2, D2 and thromboxane B2. Journal of Chromatography A, 2015, 1391, 40-48.	3.7	19
52	Comparison of derivatization/ionization techniques for liquid chromatography tandem mass spectrometry analysis of oxylipins. Prostaglandins and Other Lipid Mediators, 2017, 130, 8-15.	1.9	19
53	Aspirin alone and combined with a statin suppresses eicosanoid formation in human colon tissue. Journal of Lipid Research, 2018, 59, 864-871.	4.2	19
54	Dietary omega-3 PUFA improved tubular function after ischemia induced acute kidney injury in mice but did not attenuate impairment of renal function. Prostaglandins and Other Lipid Mediators, 2020, 146, 106386.	1.9	18

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55	Clinical blood sampling for oxylipin analysis – effect of storage and pneumatic tube transport of blood on free and total oxylipin profile in human plasma and serum. <i>Analyst, The</i> , 2020, 145, 2378-2388.	3.5	18
56	Food Polyphenol Apigenin Inhibits the Cytochrome P450 Monooxygenase Branch of the Arachidonic Acid Cascade. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8973-8976.	5.2	17
57	A diet rich in omega-3 fatty acids enhances expression of soluble epoxide hydrolase in murine brain. <i>Prostaglandins and Other Lipid Mediators</i> , 2017, 133, 79-87.	1.9	17
58	Non-targeted and targeted analysis of oxylipins in combination with charge-switch derivatization by ion mobility high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 5743-5757.	3.7	17
59	Rapid quantification of fatty acids in plant oils and biological samples by LC-MS. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5439-5451.	3.7	16
60	Intra-individual variance of the human plasma oxylipin pattern: low inter-day variability in fasting blood samples versus high variability during the day. <i>Analytical Methods</i> , 2018, 10, 4935-4944.	2.7	15
61	Formation of trans-epoxy fatty acids correlates with formation of isoprostanes and could serve as biomarker of oxidative stress. <i>Prostaglandins and Other Lipid Mediators</i> , 2019, 144, 106334.	1.9	14
62	Intestinal absorption and cell transforming potential of PhIP-M1, a bacterial metabolite of the heterocyclic aromatic amine 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP). <i>Toxicology Letters</i> , 2015, 234, 92-98.	0.8	13
63	Development of an online-SPE-LC-MS method for the investigation of the intestinal absorption of 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PhIP) and its bacterial metabolite PhIP-M1 in a Caco-2 Transwell system. <i>Food Chemistry</i> , 2015, 166, 537-543.	8.2	13
64	Single-Dose SDA-Rich Echium Oil Increases Plasma EPA, DPA _n 3, and DHA Concentrations. <i>Nutrients</i> , 2019, 11, 2346.	4.1	13
65	Dietary Polyphenols Inhibit the Cytochrome P450 Monooxygenase Branch of the Arachidonic Acid Cascade with Remarkable Structure-Dependent Selectivity and Potency. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 9235-9244.	5.2	13
66	Metabolic Activation of the Antibacterial Agent Triclocarban by Cytochrome P450 1A1 Yielding Glutathione Adducts. <i>Drug Metabolism and Disposition</i> , 2014, 42, 1098-1102.	3.3	12
67	Omega-3 fatty acids protect from colitis via an Alox15-derived eicosanoid. <i>FASEB Journal</i> , 2021, 35, e21491.	0.5	12
68	Fast method for monitoring phospholipase A2 activity by liquid chromatography–electrospray ionization mass spectrometry. <i>Journal of Chromatography A</i> , 2009, 1216, 5249-5255.	3.7	11
69	Metabolism of the antibacterial triclocarban by human epidermal keratinocytes to yield protein adducts. <i>Journal of Biochemical and Molecular Toxicology</i> , 2012, 26, 230-234.	3.0	11
70	Effect of acute and chronic DSS induced colitis on plasma eicosanoid and oxylipin levels in the rat. <i>Prostaglandins and Other Lipid Mediators</i> , 2015, 120, 155-160.	1.9	11
71	Early antihypertensive treatment and ischemia-induced acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F563-F570.	2.7	11
72	APOE Genotype Modifies the Plasma Oxylipin Response to Omega-3 Polyunsaturated Fatty Acid Supplementation in Healthy Individuals. <i>Frontiers in Nutrition</i> , 2021, 8, 723813.	3.7	11

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73	Comprehensive Analysis of Fatty Acid and Oxylipin Patterns in n3-PUFA Supplements. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 3979-3988.	5.2	11
74	Screening of acetylcholinesterase inhibitors in snake venom by electrospray mass spectrometry. <i>Pure and Applied Chemistry</i> , 2007, 79, 2339-2349.	1.9	10
75	Fatty acid composition of free-living and parasitic stages of the bovine lungworm <i>Dictyocaulus viviparus</i> . <i>Molecular and Biochemical Parasitology</i> , 2017, 216, 39-44.	1.1	10
76	Muscle Loss Associated Changes of Oxylipin Signatures During Biological Aging: An Exploratory Study From the PROOF Cohort. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2019, 74, 608-615.	3.6	10
77	A strategy for validating concentrations of oxylipin standards for external calibration. <i>Prostaglandins and Other Lipid Mediators</i> , 2019, 141, 22-24.	1.9	10
78	Growth-Inhibiting Activity of Resveratrol Imine Analogs on Tumor Cells In Vitro. <i>PLoS ONE</i> , 2017, 12, e0170502.	2.5	10
79	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
80	Metabolic fate and toxicity reduction of aflatoxin B1 after uptake by edible <i>Tenebrio molitor</i> larvae. <i>Food and Chemical Toxicology</i> , 2021, 155, 112375.	3.6	9
81	A Walnut Diet in Combination with Enriched Environment Improves Cognitive Function and Affects Lipid Metabolites in Brain and Liver of Aged NMRI Mice. <i>NeuroMolecular Medicine</i> , 2021, 23, 140-160.	3.4	9
82	Knock-In Mice Expressing a 15-Lipoxygenating Alox5 Mutant Respond Differently to Experimental Inflammation Than Reported Alox5 ^{+/+} Mice. <i>Metabolites</i> , 2021, 11, 698.	2.9	9
83	Single-dose diclofenac in healthy volunteers can cause decrease in renal perfusion measured by functional magnetic resonance imaging. <i>Journal of Pharmacy and Pharmacology</i> , 2019, 71, 1262-1270.	2.4	8
84	Human lipoxygenase isoforms form complex patterns of double and triple oxygenated compounds from eicosapentaenoic acid. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020, 1865, 158806.	2.4	8
85	On the biosynthesis of specialized pro-resolving mediators in human neutrophils and the influence of cell integrity. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159093.	2.4	8
86	Multiplex profiling of inflammation-related bioactive lipid mediators in <i>Toxocara canis</i> - and <i>Toxocara cati</i> -induced neurotoxocarosis. <i>PLoS Neglected Tropical Diseases</i> , 2019, 13, e0007706.	3.0	7
87	Activation of Lipid Mediator Formation Due to Lipoprotein Apheresis. <i>Nutrients</i> , 2019, 11, 363.	4.1	7
88	Effect of dietary EPA and DHA on murine blood and liver fatty acid profile and liver oxylipin pattern depending on high and low dietary n6-PUFA. <i>Food and Function</i> , 2020, 11, 9177-9191.	4.6	7
89	Impact of dextran sulphate sodium-induced colitis on the intestinal transport of the colon carcinogen PhIP. <i>Archives of Toxicology</i> , 2016, 90, 1093-1102.	4.2	6
90	Inhibition of cytochrome P450 monooxygenase-catalyzed oxylipin formation by flavonoids: Evaluation of structure-activity relationship towards CYP4F2-selective inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2022, 238, 114332.	5.5	6

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91	Combined Targeted Proteomics and Oxylipin Metabolomics for Monitoring of the COX-2 Pathway. <i>Proteomics</i> , 2021, 21, e1900058.	2.2	5
92	Development of On-line Liquid Chromatography-Biochemical Detection for Soluble Epoxide Hydrolase Inhibitors in Mixtures. <i>Chromatographia</i> , 2013, 76, 13-21.	1.3	3
93	Isolation, total synthesis and quantification of caffeoylisocitric acid, a characteristic ingredient of the superfood amaranth. <i>Tetrahedron</i> , 2019, 75, 4479-4485.	1.9	2
94	Fatty acid and oxylipin concentration differ markedly between different fetal bovine serums: A cautionary note. <i>Lipids</i> , 2021, 56, 613-616.	1.7	2
95	Investigation of the effects of soluble fibers on the absorption of resveratrol and 2-amino-1-methyl-6-phenylimidazo[4,5-b]pyridine (PHIP) in the Caco-2 cellular model of intestinal absorption. <i>International Journal of Food Sciences and Nutrition</i> , 2015, 66, 677-679.	2.8	1
96	Simple Targeted Assays for Metabolic Pathways and Signaling: A Powerful Tool for Targeted Proteomics. <i>Analytical Chemistry</i> , 2020, 92, 13672-13676.	6.5	1
97	Oxylipin patterns in human colon adenomas. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021, 167, 102269.	2.2	1
98	Antibakterielle Seife. <i>Nachrichten Aus Der Chemie</i> , 2011, 59, 862-865.	0.0	0
99	Metabolische Aktivierung von Triclocarban durch Cytochrom P450 1A1. <i>BioSpektrum</i> , 2014, 20, 587-587.	0.0	0
100	Editorial—Special issue of the 6th European Workshop on Lipid Mediators. <i>Prostaglandins and Other Lipid Mediators</i> , 2017, 133, 1-3.	1.9	0
101	FP238ACUTE KIDNEY INJURY CAN BE ATTENUATED BY DIETARY OMEGA-3 FOOD SUPPLEMENTATION. <i>Nephrology Dialysis Transplantation</i> , 2018, 33, i109-i109.	0.7	0
102	Dietary Omega-3 Food Supplementation to Attenuate Renal Ischemia Reperfusion Injury. <i>Transplantation</i> , 2018, 102, S714.	1.0	0
103	Editorial—Special issue of the 7th European workshop on lipid mediators. <i>Prostaglandins and Other Lipid Mediators</i> , 2020, 148, 106421.	1.9	0