

Karsten Gronert

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

5,316
citations

201385

27
h-index

253896

43
g-index

49
all docs

49
docs citations

49
times ranked

6458
citing authors

#	ARTICLE	IF	CITATIONS
1	The potential of lipid mediator networks as ocular surface therapeutics and biomarkers. <i>Ocular Surface</i> , 2021, 19, 104-114.	2.2	13
2	PGD2 and CRTH2 counteract Type 2 cytokine-elicited intestinal epithelial responses during helminth infection. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	31
3	Fair Weather Friends: Evidence of Lipoxin Dysregulation in Neurodegeneration. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1801076.	1.5	13
4	A novel role for lipoxin A4 in driving a lymph node-eye axis that controls autoimmunity to the neuroretina. <i>ELife</i> , 2020, 9, .	2.8	12
5	Eicosanoid and Specialized Proresolving Mediator Regulation of Lymphoid Cells. <i>Trends in Biochemical Sciences</i> , 2019, 44, 214-225.	3.7	26
6	Immunoregulatory role of 15-lipoxygenase in the pathogenesis of bacterial keratitis. <i>FASEB Journal</i> , 2018, 32, 5026-5038.	0.2	13
7	Dietary DHA amplifies LXA4 circuits in tissues and lymph node PMN and is protective in immune-driven dry eye disease. <i>Mucosal Immunology</i> , 2018, 11, 1674-1683.	2.7	27
8	Lipid droplet formation in Mycobacterium tuberculosis infected macrophages requires IFN- γ /HIF-1 β signaling and supports host defense. <i>PLoS Pathogens</i> , 2018, 14, e1006874.	2.1	187
9	NAIP-NLRC4 Inflammasomes Coordinate Intestinal Epithelial Cell Expulsion with Eicosanoid and IL-18 Release via Activation of Caspase-1 and -8. <i>Immunity</i> , 2017, 46, 649-659.	6.6	332
10	The role of pro-resolving lipid mediators in ocular diseases. <i>Molecular Aspects of Medicine</i> , 2017, 58, 37-43.	2.7	19
11	<i>Pseudomonas aeruginosa</i> ExoU augments neutrophil transepithelial migration. <i>PLoS Pathogens</i> , 2017, 13, e1006548.	2.1	16
12	Astrocyte-derived lipoxins A4 and B4 promote neuroprotection from acute and chronic injury. <i>Journal of Clinical Investigation</i> , 2017, 127, 4403-4414.	3.9	69
13	Pathway Markers for Pro-resolving Lipid Mediators in Maternal and Umbilical Cord Blood: A Secondary Analysis of the Mothers, Omega-3, and Mental Health Study. <i>Frontiers in Pharmacology</i> , 2016, 07, 274.	1.6	36
14	Ω -3 Tear Film Lipids Correlate With Clinical Measures of Dry Eye. , 2016, 57, 2472.		60
15	Distinct Cellular Sources of Hepoxilin A3 and Leukotriene B4 Are Used To Coordinate Bacterial-Induced Neutrophil Transepithelial Migration. <i>Journal of Immunology</i> , 2015, 194, 1304-1315.	0.4	30
16	Female-Specific Downregulation of Tissue Polymorphonuclear Neutrophils Drives Impaired Regulatory T Cell and Amplified Effector T Cell Responses in Autoimmune Dry Eye Disease. <i>Journal of Immunology</i> , 2015, 195, 3086-3099.	0.4	77
17	Intravenous fish oil lipid emulsion promotes a shift toward anti-inflammatory proresolving lipid mediators. <i>American Journal of Physiology - Renal Physiology</i> , 2013, 305, G818-G828.	1.6	40
18	Gender differences in re-epithelialisation time in fungal corneal ulcers. <i>British Journal of Ophthalmology</i> , 2012, 96, 137-138.	2.1	17

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19	Hepoxilin A3 Facilitates Neutrophilic Breach of Lipoxygenase-Expressing Airway Epithelial Barriers. <i>Journal of Immunology</i> , 2012, 189, 4960-4969.	0.4	45
20	Estrogen negatively regulates epithelial wound healing and protective lipid mediator circuits in the cornea. <i>FASEB Journal</i> , 2012, 26, 1506-1516.	0.2	92
21	Rapid induction of inflammatory lipid mediators by the inflammasome in vivo. <i>Nature</i> , 2012, 490, 107-111.	13.7	399
22	5-Lipoxygenase Metabolite 4-HDHA Is a Mediator of the Antiangiogenic Effect of ω -3 Polyunsaturated Fatty Acids. <i>Science Translational Medicine</i> , 2011, 3, 69ra12.	5.8	201
23	The protective role of omega-3 in eye disease: new insights. <i>Expert Review of Ophthalmology</i> , 2011, 6, 493-496.	0.3	1
24	Selective eicosanoid-generating capacity of cytoplasmic phospholipase A2 in <i>Pseudomonas aeruginosa</i> -infected epithelial cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L286-L294.	1.3	27
25	Selective Activation of the Prostaglandin E ₂ Circuit in Chronic Injury-Induced Pathologic Angiogenesis. , 2010, 51, 6311.		35
26	Molecular Circuits of Resolution in the Eye. <i>Scientific World Journal</i> , The, 2010, 10, 1029-1047.	0.8	20
27	Resolution, the grail for healthy ocular inflammation. <i>Experimental Eye Research</i> , 2010, 91, 478-485.	1.2	50
28	Endogenous LXA4 Circuits Are Determinants of Pathological Angiogenesis in Response to Chronic Injury. <i>American Journal of Pathology</i> , 2010, 176, 74-84.	1.9	61
29	Acute Changes in Dietary ω -3 and ω -6 Polyunsaturated Fatty Acids Have a Pronounced Impact on Survival following Ischemic Renal Injury and Formation of Renoprotective Docosahexaenoic Acid-Derived Protectin D1. <i>Journal of Immunology</i> , 2009, 182, 3223-3232.	0.4	99
30	Obesity-induced insulin resistance and hepatic steatosis are alleviated by ω -3 fatty acids: a role for resolvins and protectins. <i>FASEB Journal</i> , 2009, 23, 1946-1957.	0.2	511
31	Neuroprotectin D1 inhibits retinal ganglion cell death following axotomy. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2008, 79, 201-207.	1.0	24
32	Multidrug Resistance-Associated Transporter 2 Regulates Mucosal Inflammation by Facilitating the Synthesis of Hepoxilin A3. <i>Journal of Immunology</i> , 2008, 181, 8044-8052.	0.4	40
33	Lipid Autacoids in Inflammation and Injury Responses: A Matter of Privilege. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2008, 8, 28-35.	3.4	56
34	Interdependence of lipoxin A 4 and hemeoxygenase in counterregulating inflammation during corneal wound healing. <i>FASEB Journal</i> , 2007, 21, 2257-2266.	0.2	87
35	Reaping the benefits of renal protective lipid autacoids. <i>Drug Discovery Today Disease Mechanisms</i> , 2007, 4, 3-10.	0.8	4
36	Heme Oxygenase-2 Is a Critical Determinant for Execution of an Acute Inflammatory and Reparative Response. <i>American Journal of Pathology</i> , 2006, 169, 1612-1623.	1.9	83

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37	Docosahexaenoic acid (DHA) blunts liver injury by conversion to protective lipid mediators: protectin D1 and 17Sâ€hydroxyâ€DHA. <i>FASEB Journal</i> , 2006, 20, 2537-2539.	0.2	194
38	A Role for the Mouse 12/15-Lipoxygenase Pathway in Promoting Epithelial Wound Healing and Host Defense. <i>Journal of Biological Chemistry</i> , 2005, 280, 15267-15278.	1.6	274
39	Lipoxins in the eye and their role in wound healing. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2005, 73, 221-229.	1.0	55
40	Lipoxins and novel 15-epi-lipoxin analogs display potent anti-inflammatory actions after oral administration. <i>British Journal of Pharmacology</i> , 2004, 143, 43-52.	2.7	124
41	The opportunistic pathogen <i>Pseudomonas aeruginosa</i> carries a secretable arachidonate 15-lipoxygenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 2135-2139.	3.3	189
42	Human ALX receptor regulates neutrophil recruitment in transgenic mice: roles in inflammation and host defense. <i>FASEB Journal</i> , 2003, 17, 652-659.	0.2	174
43	Lipid mediator class switching during acute inflammation: signals in resolution. <i>Nature Immunology</i> , 2001, 2, 612-619.	7.0	1,229
44	Identification of a Human Enterocyte Lipoxin A4 Receptor That Is Regulated by Interleukin (IL)-13 and Interferon Î³ and Inhibits Tumor Necrosis Factor Î±-induced IL-8 Release. <i>Journal of Experimental Medicine</i> , 1998, 187, 1285-1294.	4.2	206
45	Thrombocytes are the predominant source of endogenous sulfidopeptide leukotrienes in the American bullfrog (<i>Rana catesbeiana</i>). <i>Lipids and Lipid Metabolism</i> , 1995, 1259, 203-210.	2.6	15
46	Ocular Inflammation Models. , 0, , 413-426.		1
47	Silicone hydrogel contact lenses retain and document ocular surface lipid mediator profiles. <i>Australasian journal of optometry</i> , The, 0, , 1-9.	0.6	1