

Charles N Serhan

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557
papers

71,066
citations

147
h-index

251
g-index

586
ext. papers

79,337
ext. citations

8.8
avg, IF

8.45
L-index

#	Paper	IF	Citations
557	Resolving inflammation: dual anti-inflammatory and pro-resolution lipid mediators. <i>Nature Reviews Immunology</i> , 2008 , 8, 349-61	36.5	2096
556	Leukotrienes and lipoxins: structures, biosynthesis, and biological effects. <i>Science</i> , 1987 , 237, 1171-6	33.3	2032
555	Pro-resolving lipid mediators are leads for resolution physiology. <i>Nature</i> , 2014 , 510, 92-101	50.4	1716
554	Resolution of inflammation: the beginning programs the end. <i>Nature Immunology</i> , 2005 , 6, 1191-7	19.1	1715
553	Resolvins: a family of bioactive products of omega-3 fatty acid transformation circuits initiated by aspirin treatment that counter proinflammation signals. <i>Journal of Experimental Medicine</i> , 2002 , 196, 1025-37	16.6	1296
552	Lipid mediator class switching during acute inflammation: signals in resolution. <i>Nature Immunology</i> , 2001 , 2, 612-9	19.1	1052
551	Novel functional sets of lipid-derived mediators with antiinflammatory actions generated from omega-3 fatty acids via cyclooxygenase 2-nonsteroidal antiinflammatory drugs and transcellular processing. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1197-204	16.6	910
550	Resolvin E1 and protectin D1 activate inflammation-resolution programmes. <i>Nature</i> , 2007 , 447, 869-74	50.4	904
549	Resolution of inflammation: state of the art, definitions and terms. <i>FASEB Journal</i> , 2007 , 21, 325-32	0.9	821
548	Novel docosatrienes and 17S-resolvins generated from docosahexaenoic acid in murine brain, human blood, and glial cells. Autacoids in anti-inflammation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 14677-87	5.4	759
547	Resolution phase of inflammation: novel endogenous anti-inflammatory and proresolving lipid mediators and pathways. <i>Annual Review of Immunology</i> , 2007 , 25, 101-37	34.7	754
546	Stereochemical assignment, antiinflammatory properties, and receptor for the omega-3 lipid mediator resolvin E1. <i>Journal of Experimental Medicine</i> , 2005 , 201, 713-22	16.6	728
545	Resolvins and protectins in inflammation resolution. <i>Chemical Reviews</i> , 2011 , 111, 5922-43	68.1	686
544	A role for docosahexaenoic acid-derived neuroprotectin D1 in neural cell survival and Alzheimer disease. <i>Journal of Clinical Investigation</i> , 2005 , 115, 2774-83	15.9	633
543	Neuroprotectin D1: a docosahexaenoic acid-derived docosatriene protects human retinal pigment epithelial cells from oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 8491-6	11.5	629
542	Maresins: novel macrophage mediators with potent antiinflammatory and proresolving actions. <i>Journal of Experimental Medicine</i> , 2009 , 206, 15-23	16.6	627
541	Aspirin triggers previously undescribed bioactive eicosanoids by human endothelial cell-leukocyte interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 9475-9	11.5	609

540	Novel docosanoids inhibit brain ischemia-reperfusion-mediated leukocyte infiltration and pro-inflammatory gene expression. <i>Journal of Biological Chemistry</i> , 2003 , 278, 43807-17	5.4	607
539	Lipoxins: novel series of biologically active compounds formed from arachidonic acid in human leukocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1984 , 81, 5335-9	11.5	582
538	Molecular circuits of resolution: formation and actions of resolvins and protectins. <i>Journal of Immunology</i> , 2005 , 174, 4345-55	5.3	564
537	International Union of Basic and Clinical Pharmacology. LXXIII. Nomenclature for the formyl peptide receptor (FPR) family. <i>Pharmacological Reviews</i> , 2009 , 61, 119-61	22.5	560
536	Resolvins in inflammation: emergence of the pro-resolving superfamily of mediators. <i>Journal of Clinical Investigation</i> , 2018 , 128, 2657-2669	15.9	544
535	Resolvin D1 binds human phagocytes with evidence for proresolving receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 1660-5	11.5	539
534	Increased dietary intake of omega-3-polyunsaturated fatty acids reduces pathological retinal angiogenesis. <i>Nature Medicine</i> , 2007 , 13, 868-873	50.5	525
533	Proresolving lipid mediators and mechanisms in the resolution of acute inflammation. <i>Immunity</i> , 2014 , 40, 315-27	32.3	521
532	Resolvin D2 is a potent regulator of leukocytes and controls microbial sepsis. <i>Nature</i> , 2009 , 461, 1287-91	50.4	508
531	Resolvin E1, an endogenous lipid mediator derived from omega-3 eicosapentaenoic acid, protects against 2,4,6-trinitrobenzene sulfonic acid-induced colitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 7671-6	11.5	493
530	Resolvin E1 selectively interacts with leukotriene B4 receptor BLT1 and ChemR23 to regulate inflammation. <i>Journal of Immunology</i> , 2007 , 178, 3912-7	5.3	472
529	Infection regulates pro-resolving mediators that lower antibiotic requirements. <i>Nature</i> , 2012 , 484, 524-8	50.4	461
528	Resolvins RvE1 and RvD1 attenuate inflammatory pain via central and peripheral actions. <i>Nature Medicine</i> , 2010 , 16, 592-7, 1p following 597	50.5	426
527	Host genotype-specific therapies can optimize the inflammatory response to mycobacterial infections. <i>Cell</i> , 2012 , 148, 434-46	56.2	417
526	Identification of a human cDNA encoding a functional high affinity lipoxin A4 receptor. <i>Journal of Experimental Medicine</i> , 1994 , 180, 253-60	16.6	397
525	THE CONCISE GUIDE TO PHARMACOLOGY 2019/20: G protein-coupled receptors. <i>British Journal of Pharmacology</i> , 2019 , 176 Suppl 1, S21-S141	8.6	391
524	The lipoxin receptor ALX: potent ligand-specific and stereoselective actions in vivo. <i>Pharmacological Reviews</i> , 2006 , 58, 463-87	22.5	388
523	Resolvin D1 and its aspirin-triggered 17R epimer. Stereochemical assignments, anti-inflammatory properties, and enzymatic inactivation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 9323-9334	5.4	384

522	Endogenous lipid- and peptide-derived anti-inflammatory pathways generated with glucocorticoid and aspirin treatment activate the lipoxin A4 receptor. <i>Nature Medicine</i> , 2002 , 8, 1296-302	50.5	384
521	Aspirin-triggered 15-epi-lipoxin A4 (LXA4) and LXA4 stable analogues are potent inhibitors of acute inflammation: evidence for anti-inflammatory receptors. <i>Journal of Experimental Medicine</i> , 1997 , 185, 1693-704	16.6	383
520	Anti-inflammatory and proresolving lipid mediators. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2008 , 3, 279-312	34	367
519	Anti-inflammatory actions of neuroprotectin D1/protectin D1 and its natural stereoisomers: assignments of dihydroxy-containing docosatrienes. <i>Journal of Immunology</i> , 2006 , 176, 1848-59	5.3	365
518	Specific lipid mediator signatures of human phagocytes: microparticles stimulate macrophage efferocytosis and pro-resolving mediators. <i>Blood</i> , 2012 , 120, e60-72	2.2	360
517	Resolution of inflammation: a new paradigm for the pathogenesis of periodontal diseases. <i>Journal of Dental Research</i> , 2003 , 82, 82-90	8.1	360
516	Lipid mediator networks in cell signaling: update and impact of cytokines. <i>FASEB Journal</i> , 1996 , 10, 1147-58	5.8	353
515	Resolvin E1 regulates interleukin 23, interferon-gamma and lipoxin A4 to promote the resolution of allergic airway inflammation. <i>Nature Immunology</i> , 2008 , 9, 873-9	19.1	346
514	The resolution code of acute inflammation: Novel pro-resolving lipid mediators in resolution. <i>Seminars in Immunology</i> , 2015 , 27, 200-15	10.7	343
513	Transgenic mice rich in endogenous omega-3 fatty acids are protected from colitis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 11276-81	11.5	332
512	Treating inflammation and infection in the 21st century: new hints from decoding resolution mediators and mechanisms. <i>FASEB Journal</i> , 2017 , 31, 1273-1288	0.9	330
511	Atherosclerosis: evidence for impairment of resolution of vascular inflammation governed by specific lipid mediators. <i>FASEB Journal</i> , 2008 , 22, 3595-606	0.9	330
510	Resolvin E1 regulates inflammation at the cellular and tissue level and restores tissue homeostasis in vivo. <i>Journal of Immunology</i> , 2007 , 179, 7021-9	5.3	330
509	Reduced inflammation and tissue damage in transgenic rabbits overexpressing 15-lipoxygenase and endogenous anti-inflammatory lipid mediators. <i>Journal of Immunology</i> , 2003 , 171, 6856-65	5.3	330
508	Lipoxins and aspirin-triggered 15-epi-lipoxins are the first lipid mediators of endogenous anti-inflammation and resolution. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2005 , 73, 141-62	2.8	326
507	The fibrinolytic receptor for urokinase activates the G protein-coupled chemotactic receptor FPRL1/LXA4R. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1359-64	11.5	322
506	Novel lipid mediators and resolution mechanisms in acute inflammation: to resolve or not?. <i>American Journal of Pathology</i> , 2010 , 177, 1576-91	5.8	320
505	RvE1 protects from local inflammation and osteoclast-mediated bone destruction in periodontitis. <i>FASEB Journal</i> , 2006 , 20, 401-3	0.9	318

504	Multi-pronged inhibition of airway hyper-responsiveness and inflammation by lipoxin A(4). <i>Nature Medicine</i> , 2002 , 8, 1018-23	50.5	317
503	The resolution of inflammation. <i>Nature Reviews Immunology</i> , 2013 , 13, 59-66	36.5	316
502	Endogenous pro-resolving and anti-inflammatory lipid mediators: a new pharmacologic genus. <i>British Journal of Pharmacology</i> , 2008 , 153 Suppl 1, S200-15	8.6	314
501	Macrophage proresolving mediator maresin 1 stimulates tissue regeneration and controls pain. <i>FASEB Journal</i> , 2012 , 26, 1755-65	0.9	312
500	Identification and signature profiles for pro-resolving and inflammatory lipid mediators in human tissue. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 307, C39-54	5.4	309
499	Novel lipid mediators promote resolution of acute inflammation: impact of aspirin and statins. <i>Circulation Research</i> , 2010 , 107, 1170-84	15.7	298
498	Resolvins and protectins in the termination program of acute inflammation. <i>Trends in Immunology</i> , 2007 , 28, 176-83	14.4	298
497	Resolvins, specialized proresolving lipid mediators, and their potential roles in metabolic diseases. <i>Cell Metabolism</i> , 2014 , 19, 21-36	24.6	291
496	Specialized pro-resolving lipid mediators in the inflammatory response: An update. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2010 , 1801, 1260-73	5	291
495	A synthetic antagonist for the peroxisome proliferator-activated receptor gamma inhibits adipocyte differentiation. <i>Journal of Biological Chemistry</i> , 2000 , 275, 1873-7	5.4	290
494	Resolvin D series and protectin D1 mitigate acute kidney injury. <i>Journal of Immunology</i> , 2006 , 177, 5902-11	3.1	288
493	Protectins and maresins: New pro-resolving families of mediators in acute inflammation and resolution bioactive metabolome. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 397-413	5	282
492	Design of lipoxin A4 stable analogs that block transmigration and adhesion of human neutrophils. <i>Biochemistry</i> , 1995 , 34, 14609-15	3.2	281
491	Apoptotic neutrophils and T cells sequester chemokines during immune response resolution through modulation of CCR5 expression. <i>Nature Immunology</i> , 2006 , 7, 1209-16	19.1	279
490	Lipid mediators in the resolution of inflammation. <i>Cold Spring Harbor Perspectives in Biology</i> , 2014 , 7, a016311	10.2	273
489	Protectin D1 is generated in asthma and dampens airway inflammation and hyperresponsiveness. <i>Journal of Immunology</i> , 2007 , 178, 496-502	5.3	271
488	Resolvins, docosatrienes, and neuroprotectins, novel omega-3-derived mediators, and their endogenous aspirin-triggered epimers. <i>Lipids</i> , 2004 , 39, 1125-32	1.6	268
487	Anti-inflammatory actions of lipoxin A4 and aspirin-triggered lipoxin are SOCS-2 dependent. <i>Nature Medicine</i> , 2006 , 12, 330-4	50.5	256

486	Lipoxin A4 and B4 are potent stimuli for human monocyte migration and adhesion: selective inactivation by dehydrogenation and reduction. <i>Journal of Experimental Medicine</i> , 1996 , 183, 137-46	16.6	255
485	Lipid mediators in innate immunity against tuberculosis: opposing roles of PGE2 and LXA4 in the induction of macrophage death. <i>Journal of Experimental Medicine</i> , 2008 , 205, 2791-801	16.6	252
484	International Union of Pharmacology XXXVII. Nomenclature for leukotriene and lipoxin receptors. <i>Pharmacological Reviews</i> , 2003 , 55, 195-227	22.5	252
483	Microglia in Pain: Detrimental and Protective Roles in Pathogenesis and Resolution of Pain. <i>Neuron</i> , 2018 , 100, 1292-1311	13.9	248
482	Lipid mediator-induced expression of bactericidal/ permeability-increasing protein (BPI) in human mucosal epithelia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 3902-7	11.5	246
481	Emerging roles of resolvins in the resolution of inflammation and pain. <i>Trends in Neurosciences</i> , 2011 , 34, 599-609	13.3	238
480	Activation of lipoxin A(4) receptors by aspirin-triggered lipoxins and select peptides evokes ligand-specific responses in inflammation. <i>Journal of Experimental Medicine</i> , 2000 , 191, 1197-208	16.6	238
479	Identification of resolvin D2 receptor mediating resolution of infections and organ protection. <i>Journal of Experimental Medicine</i> , 2015 , 212, 1203-17	16.6	231
478	Resolution phase lipid mediators of inflammation: agonists of resolution. <i>Current Opinion in Pharmacology</i> , 2013 , 13, 632-40	5.1	227
477	Resolvins, docosatrienes, and neuroprotectins, novel omega-3-derived mediators, and their aspirin-triggered endogenous epimers: an overview of their protective roles in catabasis. <i>Prostaglandins and Other Lipid Mediators</i> , 2004 , 73, 155-72	3.7	226
476	Lipoxin-mediated inhibition of IL-12 production by DCs: a mechanism for regulation of microbial immunity. <i>Nature Immunology</i> , 2002 , 3, 76-82	19.1	225
475	Lipoxin formation during human neutrophil-platelet interactions. Evidence for the transformation of leukotriene A4 by platelet 12-lipoxygenase in vitro. <i>Journal of Clinical Investigation</i> , 1990 , 85, 772-80	15.9	225
474	MicroRNAs in resolution of acute inflammation: identification of novel resolvin D1-miRNA circuits. <i>FASEB Journal</i> , 2011 , 25, 544-60	0.9	224
473	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
472	Lipoxins and novel aspirin-triggered 15-epi-lipoxins (ATL): a jungle of cell-cell interactions or a therapeutic opportunity?. <i>Prostaglandins</i> , 1997 , 53, 107-37		220
471	Lipoxin A4 and aspirin-triggered 15-epi-lipoxin A4 inhibit peroxynitrite formation, NF-kappa B and AP-1 activation, and IL-8 gene expression in human leukocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 13266-71	11.5	219
470	Regulation of inflammation in cancer by eicosanoids. <i>Prostaglandins and Other Lipid Mediators</i> , 2011 , 96, 27-36	3.7	217
469	Lipoxin biosynthesis and its impact in inflammatory and vascular events. <i>Lipids and Lipid Metabolism</i> , 1994 , 1212, 1-25		217

468	Aspirin triggers antiinflammatory 15-epi-lipoxin A4 and inhibits thromboxane in a randomized human trial. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 15178-83	11.5	216
467	Lipoxin A4 stable analogs are potent mimetics that stimulate human monocytes and THP-1 cells via a G-protein-linked lipoxin A4 receptor. <i>Journal of Biological Chemistry</i> , 1997 , 272, 6972-8	5.4	212
466	Structure-based drug design. <i>Nature</i> , 1996 , 384, 23-6	50.4	211
465	Trihydroxytetraenes: a novel series of compounds formed from arachidonic acid in human leukocytes. <i>Biochemical and Biophysical Research Communications</i> , 1984 , 118, 943-9	3.4	211
464	Local and systemic delivery of a stable aspirin-triggered lipoxin prevents neutrophil recruitment in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 8247-52	11.5	206
463	Pro-resolving actions and stereoselective biosynthesis of 18S E-series resolvins in human leukocytes and murine inflammation. <i>Journal of Clinical Investigation</i> , 2011 , 121, 569-81	15.9	203
462	Novel anti-inflammatory--pro-resolving mediators and their receptors. <i>Current Topics in Medicinal Chemistry</i> , 2011 , 11, 629-47	3	202
461	Resolvin D1 limits polymorphonuclear leukocyte recruitment to inflammatory loci: receptor-dependent actions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 1970-8	9.4	198
460	Rapid appearance of resolvin precursors in inflammatory exudates: novel mechanisms in resolution. <i>Journal of Immunology</i> , 2008 , 181, 8677-87	5.3	197
459	Identification of a human enterocyte lipoxin A4 receptor that is regulated by interleukin (IL)-13 and interferon gamma and inhibits tumor necrosis factor alpha-induced IL-8 release. <i>Journal of Experimental Medicine</i> , 1998 , 187, 1285-94	16.6	196
458	Resolvin D1 receptor stereoselectivity and regulation of inflammation and proresolving microRNAs. <i>American Journal of Pathology</i> , 2012 , 180, 2018-27	5.8	192
457	Proresolving lipid mediators resolvin D1, resolvin D2, and maresin 1 are critical in modulating T cell responses. <i>Science Translational Medicine</i> , 2016 , 8, 353ra111	17.5	191
456	Resolution of acute inflammation in the lung. <i>Annual Review of Physiology</i> , 2014 , 76, 467-92	23.1	191
455	The novel 13S,14S-epoxy-maresin is converted by human macrophages to maresin 1 (MaR1), inhibits leukotriene A4 hydrolase (LTA4H), and shifts macrophage phenotype. <i>FASEB Journal</i> , 2013 , 27, 2573-83	0.9	188
454	Resolvin E1 receptor activation signals phosphorylation and phagocytosis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 3451-61	5.4	187
453	Resolvin E2: identification and anti-inflammatory actions: pivotal role of human 5-lipoxygenase in resolvin E series biosynthesis. <i>Chemistry and Biology</i> , 2006 , 13, 1193-202		187
452	Lipoxin (LX)A4 and aspirin-triggered 15-epi-LXA4 inhibit tumor necrosis factor 1alpha-initiated neutrophil responses and trafficking: regulators of a cytokine-chemokine axis. <i>Journal of Experimental Medicine</i> , 1999 , 189, 1923-30	16.6	187
451	Anti-inflammatory circuitry: lipoxin, aspirin-triggered lipoxins and their receptor ALX. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2005 , 73, 163-77	2.8	186

450	The docosatriene protectin D1 is produced by TH2 skewing and promotes human T cell apoptosis via lipid raft clustering. <i>Journal of Biological Chemistry</i> , 2005 , 280, 43079-86	5.4	185
449	Structural elucidation and physiologic functions of specialized pro-resolving mediators and their receptors. <i>Molecular Aspects of Medicine</i> , 2017 , 58, 114-129	16.7	183
448	Resolvin E1, an EPA-derived mediator in whole blood, selectively counterregulates leukocytes and platelets. <i>Blood</i> , 2008 , 112, 848-55	2.2	182
447	Lipoxin A4 modulates transmigration of human neutrophils across intestinal epithelial monolayers. <i>Journal of Clinical Investigation</i> , 1993 , 92, 75-82	15.9	181
446	Resolvin D1 and resolvin D2 govern local inflammatory tone in obese fat. <i>Journal of Immunology</i> , 2012 , 189, 2597-605	5.3	179
445	Saturated-efferocytosis generates pro-resolving CD11b low macrophages: modulation by resolvins and glucocorticoids. <i>European Journal of Immunology</i> , 2011 , 41, 366-79	6.1	179
444	Diabetes promotes an inflammatory macrophage phenotype and atherosclerosis through acyl-CoA synthetase 1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, E715-24	11.5	179
443	Neutrophil-mediated changes in vascular permeability are inhibited by topical application of aspirin-triggered 15-epi-lipoxin A4 and novel lipoxin B4 stable analogues. <i>Journal of Clinical Investigation</i> , 1998 , 101, 819-26	15.9	178
442	Lipoxin A(4) analogues inhibit leukocyte recruitment to <i>Porphyromonas gingivalis</i> : a role for cyclooxygenase-2 and lipoxins in periodontal disease. <i>Biochemistry</i> , 2000 , 39, 4761-8	3.2	177
441	Resolvin D3 and aspirin-triggered resolvin D3 are potent immunoresolvents. <i>Chemistry and Biology</i> , 2013 , 20, 188-201		174
440	Resolvin D1 and aspirin-triggered resolvin D1 promote resolution of allergic airways responses. <i>Journal of Immunology</i> , 2012 , 189, 1983-91	5.3	172
439	Resolution of inflammation is altered in Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2015 , 11, 40-50.e122		170
438	Resolving TRPV1- and TNF- α -mediated spinal cord synaptic plasticity and inflammatory pain with neuroprotectin D1. <i>Journal of Neuroscience</i> , 2011 , 31, 15072-85	6.6	170
437	Resolvin D2 is a potent endogenous inhibitor for transient receptor potential subtype V1/A1, inflammatory pain, and spinal cord synaptic plasticity in mice: distinct roles of resolvin D1, D2, and E1. <i>Journal of Neuroscience</i> , 2011 , 31, 18433-8	6.6	169
436	Angioplasty triggers intracoronary leukotrienes and lipoxin A4. Impact of aspirin therapy. <i>Circulation</i> , 1992 , 86, 56-63	16.7	169
435	Aspirin-triggered lipoxin A4 and B4 analogs block extracellular signal-regulated kinase-dependent TNF- α secretion from human T cells. <i>Journal of Immunology</i> , 2003 , 170, 6266-72	5.3	167
434	Novel eicosanoid and docosanoid mediators: resolvins, docosatrienes, and neuroprotectins. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2005 , 8, 115-21	3.8	167
433	Leukotriene B4 receptor transgenic mice reveal novel protective roles for lipoxins and aspirin-triggered lipoxins in reperfusion. <i>Journal of Clinical Investigation</i> , 1999 , 104, 309-16	15.9	164

432	Lipoxin A4 and B4 inhibit leukotriene-stimulated interactions of human neutrophils and endothelial cells. <i>Journal of Immunology</i> , 1996 , 156, 2264-72	5.3	164
431	Elucidation of novel 13-series resolvins that increase with atorvastatin and clear infections. <i>Nature Medicine</i> , 2015 , 21, 1071-5	50.5	162
430	Aspirin-Triggered Lipoxins (15-epi-LX) Are Generated by the Human Lung Adenocarcinoma Cell Line (A549) Neutrophil Interactions and Are Potent Inhibitors of Cell Proliferation. <i>Molecular Medicine</i> , 1996 , 2, 583-596	6.2	162
429	Selectivity of recombinant human leukotriene D(4), leukotriene B(4), and lipoxin A(4) receptors with aspirin-triggered 15-epi-LXA(4) and regulation of vascular and inflammatory responses. <i>American Journal of Pathology</i> , 2001 , 158, 3-9	5.8	161
428	Human ALX receptor regulates neutrophil recruitment in transgenic mice: roles in inflammation and host defense. <i>FASEB Journal</i> , 2003 , 17, 652-9	0.9	160
427	Cutting edge: Humanized nano-proresolving medicines mimic inflammation-resolution and enhance wound healing. <i>Journal of Immunology</i> , 2011 , 186, 5543-7	5.3	159
426	15-epi-lipoxin A4 inhibits myeloperoxidase signaling and enhances resolution of acute lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 180, 311-9	10.2	158
425	Resolvin E1 promotes mucosal surface clearance of neutrophils: a new paradigm for inflammatory resolution. <i>FASEB Journal</i> , 2007 , 21, 3162-70	0.9	158
424	Human alveolar macrophages have 15-lipoxygenase and generate 15(S)-hydroxy-5,8,11-cis-13-trans-eicosatetraenoic acid and lipoxins. <i>Journal of Clinical Investigation</i> , 1993 , 92, 1572-9	15.9	158
423	Novel n-3 immunoresolvents: structures and actions. <i>Scientific Reports</i> , 2013 , 3, 1940	4.9	154
422	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, 2135-9	11.5	154
421	Novel omega -- 3-derived local mediators in anti-inflammation and resolution 2005 , 105, 7-21		153
420	Formation of lipoxins and leukotrienes during receptor-mediated interactions of human platelets and recombinant human granulocyte/macrophage colony-stimulating factor-primed neutrophils. <i>Journal of Experimental Medicine</i> , 1990 , 172, 1451-7	16.6	152
419	Selective incorporation of (15S)-hydroxyeicosatetraenoic acid in phosphatidylinositol of human neutrophils: agonist-induced deacylation and transformation of stored hydroxyeicosanoids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1990 , 87, 6248-52	11.5	151
418	Resolvin D1 activates the inflammation resolving response at splenic and ventricular site following myocardial infarction leading to improved ventricular function. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 84, 24-35	5.8	150
417	Impaired local production of proresolving lipid mediators in obesity and 17-HDHA as a potential treatment for obesity-associated inflammation. <i>Diabetes</i> , 2013 , 62, 1945-56	0.9	150
416	Lipoxins and aspirin-triggered 15-epi-lipoxin biosynthesis: an update and role in anti-inflammation and pro-resolution. <i>Prostaglandins and Other Lipid Mediators</i> , 2002 , 68-69, 433-55	3.7	150
415	Lipid and lipid mediator profiling of human synovial fluid in rheumatoid arthritis patients by means of LC-MS/MS. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2012 , 1821, 1415-24	5	149

414	Lipoxins and new lipid mediators in the resolution of inflammation. <i>Current Opinion in Pharmacology</i> , 2006 , 6, 414-20	5.1	149
413	Novel lipid mediator regulators of endothelial cell proliferation and migration: aspirin-triggered-15R-lipoxin A(4) and lipoxin A(4). <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002 , 300, 385-92	4.7	149
412	Aspirin-triggered lipoxin and resolvin E1 modulate vascular smooth muscle phenotype and correlate with peripheral atherosclerosis. <i>American Journal of Pathology</i> , 2010 , 177, 2116-23	5.8	148
411	Aspirin-tolerant asthmatics generate more lipoxins than aspirin-intolerant asthmatics. <i>European Respiratory Journal</i> , 2000 , 16, 44-9	13.6	147
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