Joshua Rokach

List of Publications by Year
in descending order

189 papers	9,386 citations	44069 48 h-index	46799 89 g-index
201 all docs	201 docs citations	201 times ranked	6624 citing authors

#	Article	IF	Citations
1	Increase of Brain Oxidative Stress in Mild Cognitive Impairment. Archives of Neurology, 2002, 59, 972.	4.5	574
2	Vitamin E suppresses isoprostane generation in vivo and reduces atherosclerosis in ApoE-deficient mice. Nature Medicine, 1998, 4, 1189-1192.	30.7	496
3	Increased F₂â€isoprostanes in Alzheimer's disease: evidence for enhanced lipid peroxidationin vivo. FASEB Journal, 1998, 12, 1777-1783.	0.5	396
4	Increased 8,12-iso-iPF2?-VI in Alzheimer's disease: Correlation of a noninvasive index of lipid peroxidation with disease severity. Annals of Neurology, 2000, 48, 809-812.	5.3	341
5	Isoprostanes: Formation, Analysis and Use As Indices of Lipid Peroxidation in Vivo. Journal of Biological Chemistry, 1999, 274, 24441-24444.	3.4	339
6	Prostaglandin D2 is a potent chemoattractant for human eosinophils that acts via a novel DP receptor. Blood, 2001, 98, 1942-1948.	1.4	308
7	Increased Formation of Distinct F ₂ Isoprostanes in Hypercholesterolemia. Circulation, 1998, 98, 2822-2828.	1.6	266
8	Biosynthesis, biological effects, and receptors of hydroxyeicosatetraenoic acids (HETEs) and oxoeicosatetraenoic acids (oxo-ETEs) derived from arachidonic acid. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 340-355.	2.4	234
9	Absence of 12/15-Lipoxygenase Expression Decreases Lipid Peroxidation and Atherogenesis in Apolipoprotein Eâ€"Deficient Mice. Circulation, 2001, 103, 2277-2282.	1.6	225
10	Alcohol-induced generation of lipid peroxidation products in humans. Journal of Clinical Investigation, 1999, 104, 805-813.	8.2	216
11	Increased Formation of the Isoprostanes IPF_{2Î±}-I and 8-Epi-Prostaglandin F_{2Î±}in Acute Coronary Angioplasty. Circulation, 1997, 96, 3314-3320.	1.6	185
12	Vitamin E reduces amyloidosis and improves cognitive function in Tg2576 mice following repetitive concussive brain injury. Journal of Neurochemistry, 2004, 90, 758-764.	3.9	147
13	Biochemistry, biology and chemistry of the 5-lipoxygenase product 5-oxo-ETE. Progress in Lipid Research, 2005, 44, 154-183.	11.6	124
14	Analysis of leukotrienes by high-pressure liquid chromatography. Analytical Biochemistry, 1981, 118, 96-101.	2.4	121
15	F2-isoprostanes as indices of lipid peroxidation in inflammatory diseases. Chemistry and Physics of Lipids, 2004, 128, 165-171.	3.2	116
16	The synthesis of a leukotriene with SRS-like activity. Tetrahedron Letters, 1980, 21, 1485-1488.	1.4	108
17	15-Deoxy-Î”12,1412,14-prostaglandins D2 and J2 Are Potent Activators of Human Eosinophils. Journal of Immunology, 2002, 168, 3563-3569.	0.8	108
18	Chronic melatonin therapy fails to alter amyloid burden or oxidative damage in old Tg2576 mice: implications for clinical trials. Brain Research, 2005, 1037, 209-213.	2.2	100

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19	Functional Characterization of the Ocular Prostaglandin F2Î± (PGF2Î±) Receptor. Journal of Biological Chemistry, 1997, 272, 27147-27154.	3.4	97
20	The total synthesis of 12-HETE (12-hydroxyeicosatetraenoic acid) and 12,20-diHETE. Journal of Organic Chemistry, 1986, 51, 789-793.	3.2	94
21	5-Oxo-ETE and the OXE receptor. Prostaglandins and Other Lipid Mediators, 2009, 89, 98-104.	1.9	94
22	Increased F2 isoprostane plasma levels in patients with congestive heart failure are correlated with antioxidant status and disease severity. Journal of Cardiac Failure, 2004, 10, 334-338.	1.7	86
23	Enantiospecific and stereospecific synthesis of lipoxin A. Stereochemical assignment of the natural lipoxin A and its possible biosynthesis. Journal of the American Chemical Society, 1985, 107, 464-469.	13.7	83
24	The stereospecific synthesis of leukotriene A4 (LTA4), 5-epi-LTA4, 6-epi-LTA4 and 5-epi,6-epi-LTA4. Tetrahedron Letters, 1981, 22, 2759-2762.	1.4	81
25	A simple and efficient route to Î²-substituted pyrroles. Tetrahedron Letters, 1981, 22, 4901-4904.	1.4	81
26	No evidence for lipid peroxidation in severe preeclampsia. American Journal of Obstetrics and Gynecology, 2001, 185, 572-578.	1.3	80
27	[4 + 2] Cycloaddition reaction of dibenzyl azodicarboxylate and glycals. Journal of the American Chemical Society, 1989, 111, 2995-3000.	13.7	78
28	Identification of Two Major F2 Isoprostanes, 8,12-Iso- and 5-epi-8,12-Iso-isoprostane F2Î±-VI, in Human Urine. Journal of Biological Chemistry, 1998, 273, 29295-29301.	3.4	78
29	15R-Methyl-Prostaglandin D₂Is a Potent and Selective CRTH2/DP₂Receptor Agonist in Human Eosinophils. Journal of Pharmacology and Experimental Therapeutics, 2003, 304, 349-355.	2.5	78
30	Vitamin E Reduces Progression of Atherosclerosis in Low-Density Lipoprotein Receptor-Deficient Mice With Established Vascular Lesions. Circulation, 2003, 107, 521-523.	1.6	75
31	Stereospecific synthesis of leukotriene B4 (LTB4). Tetrahedron Letters, 1982, 23, 739-742.	1.4	73
32	Neurofurans, Novel Indices of Oxidant Stress Derived from Docosahexaenoic Acid. Journal of Biological Chemistry, 2008, 283, 6-16.	3.4	73
33	The eosinophil chemoattractant 5-oxo-ETE and the OXE receptor. Progress in Lipid Research, 2013, 52, 651-665.	11.6	71
34	Ongoing Prothrombotic State in Patients With Antiphospholipid Antibodies: A Role for Increased Lipid Peroxidation. Blood, 1999, 93, 3401-3407.	1.4	69
35	Effects of Prostaglandin D₂, 15-Deoxy-Î”^{12,14}-prostaglandin J₂, and Selective DP₁and DP₂Receptor Agonists on Pulmonary Infiltration of Eosinophils in Brown Norway Rats. Journal of Pharmacology and Experimental Therapeutics, 2005, 313, 64-69.	2.5	67
36	Local and systemic increase in lipid peroxidation after moderate experimental traumatic brain injury. Journal of Neurochemistry, 2002, 80, 894-898.	3.9	63

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37	Total Synthesis of a Potent Proinflammatory 5-Oxo-ETE and Its 6,7-Dihydro Biotransformation Product. Journal of Organic Chemistry, 1998, 63, 337-342.	3.2	62
38	Down's syndrome is associated with increased 8,12â€•iso â€‹PF _{2Î±} â€‹VI levels: Evidence for enhanced lipid peroxidation in vivo. Annals of Neurology, 2000, 48, 795-798.	5.3	62
39	Formation of lipoxin B by the pure reticulocyte lipoxygenase via sequential oxygenation of the substrate. FEBS Journal, 1987, 169, 593-601.	0.2	60
40	Structural Requirements for Activation of the 5-Oxo-6E,8Z, 11Z,14Z-eicosatetraenoic Acid (5-Oxo-ETE) Receptor: Identification of a Mead Acid Metabolite with Potent Agonist Activity. Journal of Pharmacology and Experimental Therapeutics, 2008, 325, 698-707.	2.5	59
41	[4 + 2] Cycloaddition of azodicarboxylate and glycals: a novel and simple method for the preparation of 2-amino-2-deoxy carbohydrates. Journal of the American Chemical Society, 1987, 109, 285-286.	13.7	58
42	Total Synthesis of 8-epi-PGF2.alpha.. A Novel Strategy for the Synthesis of Isoprostanes. Journal of the American Chemical Society, 1994, 116, 10829-10830.	13.7	58
43	Total synthesis of a novel isoprostane IPF2Î±-I and its identification in biological fluids. Tetrahedron Letters, 1996, 37, 4849-4852.	1.4	54
44	Synthesis of leukotrienes - new synthesis of natural leukotriene A4. Tetrahedron Letters, 1981, 22, 979-982.	1.4	52
45	5-Oxo-6,8,11,14-eicosatetraenoic acid induces the infiltration of granulocytes into human skin. Journal of Allergy and Clinical Immunology, 2003, 112, 768-774.	2.9	52
46	Simple efficient synthesis of LTB4 and 12-epi-LTB4. Tetrahedron Letters, 1982, 23, 2631-2634.	1.4	51
47	Brains of Aged Apolipoprotein E-Deficient Mice Have Increased Levels of F2-Isoprostanes, In Vivo Markers of Lipid Peroxidation. Journal of Neurochemistry, 2002, 73, 736-741.	3.9	51
48	Effects of Prostaglandin D₂and 5-Lipoxygenase Products on the Expression of CD203c and CD11b by Basophils. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 627-634.	2.5	51
49	A -glycoside route to leukotrienes. Tetrahedron Letters, 1981, 22, 2763-2766.	1.4	48
50	Comparison of biological-derived and synthetic leukotriene C4 by fast atom bombardment mass spectrometry. Prostaglandins, 1982, 23, 201-206.	1.2	47
51	Lipoxin synthesis by arachidonate 5-lipoxygenase purified from porcine leukocytes. Biochemical and Biophysical Research Communications, 1987, 144, 996-1002.	2.1	47
52	Sensitivity of immunoaffinity-purified porcine 5-lipoxygenase to inhibitors and activating lipid hydroperoxides. Biochemical Pharmacology, 1989, 38, 2313-2321.	4.4	47
53	A new general method for the synthesis of lipoxygenase products: preparation of Â±5-HETE. Tetrahedron Letters, 1983, 24, 5185-5188.	1.4	45
54	Oxidative Stress Stimulates the Synthesis of the Eosinophil Chemoattractant 5-Oxo-6,8,11,14-eicosatetraenoic Acid by Inflammatory Cells. Journal of Biological Chemistry, 2004, 279, 40376-40384.	3.4	44

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55	Novel Eicosapentaenoic Acid-derived F3-isoprostanes as Biomarkers of Lipid Peroxidation. Journal of Biological Chemistry, 2009, 284, 23636-23643.	3.4	44
56	Quantification of Lipid Mediator Metabolites in Human Urine from Asthma Patients by Electrospray Ionization Mass Spectrometry: Controlling Matrix Effects. Analytical Chemistry, 2013, 85, 7866-7874.	6.5	44
57	Slow reacting substance of anaphylaxis, SRS-A: Assignment of the stereochemistry. Prostaglandins, 1980, 20, 601-607.	1.2	43
58	Deblocking of dithioacetals and oxathioacetals using periodic acid under mild nonaqueous conditions. Tetrahedron Letters, 1996, 37, 4331-4334.	1.4	43
59	Dielsâ˜Alder Approach to Isoprostanes. Total Synthesis of iPF2Î±-V. Journal of the American Chemical Society, 1998, 120, 11953-11961.	13.7	43
60	Airway epithelial cells synthesize the lipid mediator 5-oxo-ETE in response to oxidative stress. Free Radical Biology and Medicine, 2007, 42, 654-664.	2.9	43
61	A free radical route to syn lactones and other prostanoid intermediates in isoprostaglandin synthesis.. Tetrahedron Letters, 1993, 34, 8245-8248.	1.4	42
62	An Efficient Synthesis of 4(S)-Hydroxycyclopent-2-enone. Journal of Organic Chemistry, 1995, 60, 7548-7551.	3.2	42
63	The Isoprostanes, A New Class of Natural Products: Synthesis and Biosynthesis. Synthesis, 1998, 1998, 569-580.	2.3	42
64	Synthetic leukotriene B4 is a potent chemotaxin but a weak secretagogue from human PMN. Prostaglandins, 1983, 25, 281-289.	1.2	41
65	Synthesis of Â± 8- and 9-HETEs. Tetrahedron Letters, 1984, 25, 35-38.	1.4	41
66	Total synthesis of lipoxin B: assignment of stereochemistry. Tetrahedron Letters, 1985, 26, 1399-1402.	1.4	41
67	Preparation of complex aminoglycosides: a new strategy. Journal of the American Chemical Society, 1988, 110, 5229-5231.	13.7	41
68	Total synthesis of isoprostanes: discovery and quantitation in biological systems. Chemistry and Physics of Lipids, 2004, 128, 35-56.	3.2	41
69	Stereospecific synthesis of 5S-HETE, 5R-HETE and their transformation to 5(Â±)HPETE. Tetrahedron Letters, 1983, 24, 999-1002.	1.4	39
70	Synthesis of leukotrienes and lipoxygenase products. Accounts of Chemical Research, 1985, 18, 87-93.	15.6	39
71	Specific Analysis in Plasma and Urine of 2,3-Dinor-5,6-dihydro-isoprostane F2Î±-III, a Metabolite of Isoprostane F2Î±-III and an Oxidation Product of Î³-Linolenic Acid. Journal of Biological Chemistry, 2000, 275, 2499-2504.	3.4	39
72	Quantification of in vivo oxidative damage in Caenorhabditis elegans during aging by endogenous F3â€isoprostane measurement. Aging Cell, 2013, 12, 214-223.	6.7	39

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73	Pharmacology of L-655,240 (3-[1-(4-chlorobenzyl)-5-fluoro-3-methyl-indol-2-yl]2,2-dimethylpropanoic) Tj ETQq1 1 0.784314 rgBT /Ov Pharmacology, 1987, 135, 193-201.	3.5	37
74	Eotaxin and RANTES enhance 5-oxo-6,8,11,14-eicosatetraenoic acidâ€“induced eosinophil chemotaxis. Journal of Allergy and Clinical Immunology, 2001, 107, 272-278.	2.9	37
75	Synthesis of lipoxins: Total synthesis of conjugated trihydroxy eicosatetraenoic acids. Tetrahedron Letters, 1984, 25, 4713-4716.	1.4	36
76	Biological Inactivation of 5-oxo-6,8,11,14-Eicosatetraenoic Acid by Human Platelets. Blood, 1999, 93, 1086-1096.	1.4	36
77	Lipoxin synthesis by arachidonate 12-lipoxygenase purified from porcine leukocytes. Biochemical and Biophysical Research Communications, 1987, 149, 1063-1069.	2.1	35
78	Molecular Cloning, Expression and Characterization of Mouse Leukotriene C4 Synthase. FEBS Journal, 1996, 238, 606-612.	0.2	34
79	Lipid Peroxidation and Platelet Activation in Murine Atherosclerosis. Circulation, 2001, 104, 1940-1945.	1.6	34
80	Cyclic amidine inhibitors of indolamine N-methyltransferase. Journal of Medicinal Chemistry, 1979, 22, 237-247.	6.4	33
81	Total Synthesis of 8,12-iso-iPF3Î±-VI, an EPA-Derived Isoprostane:Â Stereoselective Introduction of the Fifth Asymmetric Center. Journal of Organic Chemistry, 2006, 71, 1370-1379.	3.2	33
82	Oxidized derivatives of Ï‰-3 fatty acids: identification of IPF3Î±-VI in human urine. Journal of Lipid Research, 2006, 47, 2515-2524.	4.2	32
83	Oxidative stress-induced changes in pyridine nucleotides and chemoattractant 5-lipoxygenase products in aging neutrophils. Free Radical Biology and Medicine, 2009, 47, 62-71.	2.9	32
84	Total synthesis of leukotriene E4 metabolites and precursors to radiolabeled forms of those metabolites. Journal of Organic Chemistry, 1989, 54, 3635-3640.	3.2	32
85	Studies on the preparation of conjugates of leukotriene C4 with proteins for development of an immunoassay for SRS-A (1). Prostaglandins, 1982, 23, 603-613.	1.2	31
86	Total synthesis of 12-epi-PGF2Î±. Tetrahedron Letters, 1996, 37, 779-782.	1.4	31
87	The preparation of octahydro leukotrienes C, D, and E via a stereoselective sulfenyllactonization reaction. Tetrahedron Letters, 1981, 22, 4933-4936.	1.4	30
88	Synthesis of the sulfones of leukotriene C4, D4, and E4. Tetrahedron Letters, 1982, 23, 1023-1026.	1.4	30
89	Synthesis of two analogues of arachidonic acid and their reactions with 12-Lipoxygenase. Tetrahedron, 1990, 46, 6301-6310.	1.9	29
90	The stereospecific synthesis of 14S,15S-oxido 5Z,8Z,10E,12E-eicosatetraenoic acid. Tetrahedron Letters, 1983, 24, 4899-4902.	1.4	28

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91	Regulation of 5-hydroxyeicosanoid dehydrogenase activity in monocytic cells. Biochemical Journal, 2007, 403, 157-165.	3.7	28
92	Human Neutrophils Convert the Sebum-derived Polyunsaturated Fatty Acid Sebaleic Acid to a Potent Granulocyte Chemoattractant. Journal of Biological Chemistry, 2008, 283, 11234-11243.	3.4	28
93	Synthesis of the aza analog of LTA4. Tetrahedron Letters, 1983, 24, 331-334.	1.4	27
94	Photoaffinity labelling of the human platelet thromboxane A2/prostaglandin H2 receptor. Biochimica Et Biophysica Acta - Molecular Cell Research, 1989, 1012, 184-190.	4.1	27
95	12-Oxo-LTB4, a Key Pivotal Intermediate in LTB4 Metabolism. Journal of Organic Chemistry, 1995, 60, 1806-1813.	3.2	27
96	5-Oxo-6,8,11,14-eicosatetraenoic Acid Stimulates the Release of the Eosinophil Survival Factor Granulocyte/Macrophage Colony-stimulating Factor from Monocytes. Journal of Biological Chemistry, 2004, 279, 28159-28164.	3.4	27
97	Inhibition of 5-Oxo-6,8,11,14-eicosatetraenoic Acid-Induced Activation of Neutrophils and Eosinophils by Novel Indole OXE Receptor Antagonists. Journal of Medicinal Chemistry, 2014, 57, 364-377.	6.4	27
98	Prothrombinase Acceleration by Oxidatively Damaged Phospholipids. Journal of Biological Chemistry, 2000, 275, 22925-22930.	3.4	26
99	NAD(P)H-dependent reduction of 12-ketoeicosatetraenoic acid to 12(R)-and 12(S)-hydroxyeicosatetraenoic acid by rat liver microsomes. Biochemical and Biophysical Research Communications, 1988, 156, 1083-1089.	2.1	23
100	Regioncontrolled formation of iodohy dnns and expoxides from Vic-diols. Tetrahedron Letters, 1995, 36, 7367-7370.	1.4	23
101	First total synthesis of isoprostane IPF2Î±-III. Tetrahedron Letters, 1997, 38, 3339-3342.	1.4	23
102	Metabolism and excretion of peptide leukotrienes in the anesthetized rat. Lipids and Lipid Metabolism, 1987, 921, 486-493.	2.6	22
103	5-Oxo-ETE Receptor Antagonists. Journal of Medicinal Chemistry, 2013, 56, 3725-3732.	6.4	22
104	Biochemical Studies on Mammalian Lipoxygenases,b. Annals of the New York Academy of Sciences, 1988, 524, 12-26.	3.8	21
105	[1] Nomenclature. Methods in Enzymology, 1990, 187, 1-9.	1.0	21
106	On the biosynthesis and the structure of lipoxin B. Tetrahedron Letters, 1985, 26, 3939-3942.	1.4	20
107	Synthesis of 5S-hydroxy-14, 15 LTA4 a biogenic precursor to the lipoxins. Tetrahedron Letters, 1987, 28, 3449-3452.	1.4	20
108	The first total synthesis of iPF4Î±-VI and its deuterated analog. Tetrahedron Letters, 2002, 43, 2801-2805.	1.4	20

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109	An unexpected and efficient synthesis of 3-chloro-4-cyanopyridine. Journal of Heterocyclic Chemistry, 1978, 15, 683-684.	2.6	19
110	Studies on the conjugation of leukotriene B4 with proteins for development of a radioimmunoassay for leukotriene B4. Prostaglandins, 1983, 26, 605-613.	1.2	19
111	Total Synthesis of 17,17,18,18-d4-iPF2Î±-VI and Quantification of iPF2Î±-VI in Human Urine by Gas Chromatography/Mass Spectrometry. Analytical Biochemistry, 1998, 262, 45-56.	2.4	19
112	The Total Synthesis of Tritiated and Deuterated 5-Oxo-ETE, a Novel Inflammatory Mediator. Journal of Organic Chemistry, 1998, 63, 4098-4102.	3.2	19
113	Silyl group deprotection by Pd/C/H2. A facile and selective method. Tetrahedron Letters, 2004, 45, 1973-1976.	1.4	19
114	Agonist and Antagonist Effects of 15R-Prostaglandin (PG) D2 and 11-Methylene-PGD2 on Human Eosinophils and Basophils. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 173-179.	2.5	19
115	Enhanced formation of 5-oxo-6,8,11,14-eicosatetraenoic acid by cancer cells in response to oxidative stress, docosahexaenoic acid and neutrophil-derived 5-hydroxy-6,8,11,14-eicosatetraenoic acid. Carcinogenesis, 2011, 32, 822-828.	2.8	19
116	The lipoxins. International Journal of Biochemistry & Cell Biology, 1988, 20, 753-758.	0.5	18
117	Synthesis of 10,11-Dihydro-12-oxo-LTB4, a Key Biochemical Intermediate. Journal of Organic Chemistry, 1997, 62, 325-330.	3.2	18
118	A new method for the preparation of olefins from vicinal diols. Tetrahedron Letters, 1999, 40, 4019-4022.	1.4	18
119	Metabolism of 5-hydroxy-6,8,11,14-eicosatetraenoic acid by human endothelial cells. Biochemical and Biophysical Research Communications, 2006, 350, 151-156.	2.1	18
120	Photoisomerization of 2-substituted-isothiazol-3(2H)-ones to 3-substituted-thiazol-2(3H)-ones. Journal of the Chemical Society Chemical Communications, 1979, , 786.	2.0	17
121	Synthesis of 12-KETE and its 8,9-trans-isomer. Tetrahedron Letters, 1994, 35, 4051-4054.	1.4	16
122	High-Pressure Liquid Chromatography of Oxo-Eicosanoids Derived from Arachidonic Acid. Analytical Biochemistry, 1997, 247, 17-24.	2.4	16
123	Syntheses and identification of the most abundant urinary type VI isoprostanes. Tetrahedron Letters, 1998, 39, 7039-7042.	1.4	16
124	Intramolecular sulfur-assisted NaBH4 reduction of esters synthesis of 5-oxo-ETE and 5-oxo-12-HETE. Tetrahedron Letters, 2000, 41, 5653-5657.	1.4	16
125	Stereospecific synthesis of two metabolites of LTB4. Tetrahedron Letters, 1982, 23, 4751-4754.	1.4	15
126	Inversion of configurations of contiguous carbinol centers. Journal of Organic Chemistry, 1988, 53, 4421-4422.	3.2	15

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127	Fractional conversion of thromboxane A2 and B2 to urinary 2,3-dinor-thromboxane B2 and 11-dehydrothromboxane B2 in the cynomolgus monkey. Biochimica Et Biophysica Acta - General Subjects, 1989, 992, 71-77.	2.4	15
128	Effects of oxo and dihydro metabolites of 12-hydroxy-5,8,10,14-eicosatetraenoic acid on chemotaxis and cytosolic calcium levels in human neutrophils. Journal of Leukocyte Biology, 1995, 57, 257-263.	3.3	15
129	The Total Synthesis of 5-Oxo-12(S)-hydroxy-6(E),8(Z),10(E),14(Z)-eicosatetraenoic Acid and Its 8,9-trans-Isomer and Their Identification in Human Platelets. Journal of Organic Chemistry, 1998, 63, 8976-8982.	3.2	15
130	Substrate Selectivity of 5-Hydroxyeicosanoid Dehydrogenase and Its Inhibition by 5-Hydroxy-Î”⁶-Long-Chain Fatty Acids. Journal of Pharmacology and Experimental Therapeutics, 2009, 329, 335-341.	2.5	15
131	5-Oxo-ETE is a major oxidative stress-induced arachidonate metabolite in B lymphocytes. Free Radical Biology and Medicine, 2011, 50, 1297-1304.	2.9	15
132	Synthesis of 5S,12S - diHETE (LTBx). Tetrahedron Letters, 1984, 25, 1227-1230.	1.4	14
133	Leukotrienes, Lipoxins, and Hydroxyeicosatetraenoic Acids. , 1999, 120, 213-247.		14
134	A convenient strategy for the synthesis of Î²,Î³-unsaturated aldehydes and acids. A construction of skipped dienes. Tetrahedron Letters, 1999, 40, 7179-7183.	1.4	14
135	Prostaglandin F2Î± Receptor-Dependent Regulation of Prostaglandin Transport. Molecular Pharmacology, 2001, 59, 1506-1513.	2.3	14
136	5-Oxo-ETE regulates tone of guinea pig airway smooth muscle via activation of Ca2+pools and Rho-kinase pathway. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2004, 287, L631-L640.	2.9	14
137	Synthesis of 15R-PGD2: a potential DP2 receptor agonist. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 1873-1876.	2.2	14
138	Biosynthesis and actions of 5-oxoeicosatetraenoic acid (5-oxo-ETE) on feline granulocytes. Biochemical Pharmacology, 2015, 96, 247-255.	4.4	14
139	Pharmacokinetics and Metabolism of Selective Oxoeicosanoid (OXE) Receptor Antagonists and Their Effects on 5-Oxo-6,8,11,14-eicosatetraenoic Acid (5-Oxo-ETE)-Induced Granulocyte Activation in Monkeys. Journal of Medicinal Chemistry, 2016, 59, 10127-10146.	6.4	14
140	Targeting the OXE receptor as a potential novel therapy for asthma. Biochemical Pharmacology, 2020, 179, 113930.	4.4	14
141	Isoprostane Activation of the Nuclear Hormone Receptor Ppar. Advances in Experimental Medicine and Biology, 2002, 507, 351-355.	1.6	14
142	Calcium/Calmodulin-dependent Conversion of 5-Oxoeicosanoids to 6,7-Dihydro Metabolites by a Cytosolic Olefin Reductase in Human Neutrophils. Journal of Biological Chemistry, 1998, 273, 20951-20959.	3.4	13
143	A photoaffinity probe for 5-hydroxyeicosanoid dehydrogenase suitable for radioiodination. Tetrahedron Letters, 2001, 42, 4445-4448.	1.4	13
144	Enantio- and Stereospecific Syntheses of 15(R)-Me-PGD2, A Potent and Selective DP2â˜Receptor Agonist. Journal of Organic Chemistry, 2008, 73, 7213-7218.	3.2	13

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145	Two Potent OXE-R Antagonists: Assignment of Stereochemistry. ACS Medicinal Chemistry Letters, 2014, 5, 815-819.	2.8	13
146	Eicosapentaenoic-acid-derived isoprostanes: Synthesis and discovery of two major isoprostanes. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5523-5527.	2.2	12
147	Calcium mobilization and right-angle light scatter responses to 12-oxo-derivatives of arachidonic acid in neutrophils: evidence for the involvement of the leukotriene B4 receptor. Biochimica Et Biophysica Acta - Molecular Cell Research, 1991, 1133, 102-106.	4.1	11
148	Reductive deprotection of silyl groups with Wilkinsonâ€™s catalyst/catechol borane. Tetrahedron Letters, 2007, 48, 5289-5292.	1.4	11
149	Stereoselective synthesis of two highly potent 5-oxo-ETE receptor antagonists. Tetrahedron Letters, 2015, 56, 6896-6899.	1.4	11
150	The total syntheses of several 8, 15 dihydroxy arachidonic acid derivatives (8,15, LTB's). Tetrahedron Letters, 1984, 25, 3043-3046.	1.4	10
151	Synthesis of iPF2Î±-V: a new route. Tetrahedron Letters, 1999, 40, 6167-6170.	1.4	10
152	Quantitative Analysis of 5-Oxo-6,8,11,14-eicosatetraenoic Acid by Electrospray Mass Spectrometry Using a Deuterium-Labeled Internal Standard. Analytical Biochemistry, 2001, 295, 262-266.	2.4	10
153	Novel highly potent OXE receptor antagonists with prolonged plasma lifetimes that are converted to active metabolites in vivo in monkeys. British Journal of Pharmacology, 2020, 177, 388-401.	5.4	10
154	Inhibition of allergenâ€induced dermal eosinophilia by an oxoeicosanoid receptor antagonist in nonâ€human primates. British Journal of Pharmacology, 2020, 177, 360-371.	5.4	10
155	Oxidized leukotrienes: Synthesis of 20-OH and 20-COOH LTD4. Possible metabolites in the lipoxygenase pathway. Tetrahedron Letters, 1984, 25, 2179-2182.	1.4	9
156	Stereospecific synthesis of 11S, 12S-oxido 5Z, 7E, 9E, 14Z-eicosatetraenoic acid. Tetrahedron Letters, 1984, 25, 5835-5838.	1.4	9
157	A new synthetic approach for 4(S)-hydroxycyclopent-2-enone: a precursor to prostanoid synthesis. Tetrahedron Letters, 2005, 46, 6325-6328.	1.4	9
158	The design and synthesis of a 5-HETE affinity chromatography ligand for 5-hydroxyeicosanoid dehydrogenase. Tetrahedron Letters, 2000, 41, 5807-5811.	1.4	8
159	iPF2Î±-III-17,18,19,20-d4: Total synthesis and metabolism. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 1613-1617.	2.2	8
160	In vivo Î±-hydroxylation of a 2-alkylindole antagonist of the OXE receptor for the eosinophil chemoattractant 5-oxo-6,8,11,14-eicosatetraenoic acid in monkeys. Biochemical Pharmacology, 2017, 138, 107-118.	4.4	8
161	The synthesis of a 5-HETE photoaffinity ligand. Tetrahedron Letters, 2000, 41, 6313-6317.	1.4	7
162	Base-dependent formation of cis and trans olefins and their application in the synthesis of 5-oxo-ETE receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 3385-3388.	2.2	7

#	Article	IF	Citations
163	Novel Highly Potent and Metabolically Resistant Oxoeicosanoid (OXE) Receptor Antagonists That Block the Actions of the Granulocyte Chemoattractant 5-Oxo-6,8,11,14-Eicosatetraenoic Acid (5-oxo-ETE). Journal of Medicinal Chemistry, 2018, 61, 5934-5948.	6.4	7
164	Lipoxin Syntheses by Arachidonate 12- and 5-Lipoxygenases Purified from Porcine Leukocytes. , 1988, 229, 15-26.		7
165	Inversion of configurations of contiguous carbinol centres: application to the synthesis of both enantiomers of natural products from the same enantiomerically pure starting material. Carbohydrate Research, 1990, 202, 93-104.	2.3	6
166	Total synthesis of 11-R,12-R-dihydroxyeicosatrienoic acid, a metabolite of the cytochrome P-450 epoxygenase pathway. Tetrahedron Letters, 1994, 35, 6239-6242.	1.4	6
167	iPF2Î±-III metabolism. First total synthesis of 2,3-dinor iPF2Î±-III, a primary Î²-oxidation metabolite. Tetrahedron Letters, 2001, 42, 8277-8280.	1.4	6
168	Metabolism and pharmacokinetics of a potent N-acylindole antagonist of the OXE receptor for the eosinophil chemoattractant 5-oxo-6,8,11,14-eicosatetraenoic acid (5-oxo-ETE) in rats and monkeys. European Journal of Pharmaceutical Sciences, 2018, 115, 88-99.	4.0	6
169	Targeting the OXE receptor with a selective antagonist inhibits allergenâ€induced pulmonary inflammation in nonâ€human primates. British Journal of Pharmacology, 2022, 179, 322-336.	5.4	6
170	Polar cycloaddition in the pyrazine system. Preparation of new heteropolycycles. Tetrahedron Letters, 1976, 17, 17-20.	1.4	5
171	Total synthesis of proinflammatory dihydro-12-KETE metabolites. Tetrahedron Letters, 1995, 36, 513-516.	1.4	5
172	An efficient approach to the synthesis of LTB4 and Ï‰-substituted LTB4 metabolites. Tetrahedron Letters, 2002, 43, 6063-6066.	1.4	5
173	5-Oxo-15-HETE: Total synthesis and bioactivity. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1857-1860.	2.2	5
174	An efficient preparation of stereospecific Î²-hydroxy nitriles. Tetrahedron Letters, 2005, 46, 161-164.	1.4	4
175	C20-trifluoro-5-oxo-ETE: A metabolically stable 5-oxo-ETE derivative. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 1987-1990.	2.2	4
176	Structure-activity relationship study of Î² -oxidation resistant indole-based 5-oxo-6,8,11,14-eicosatetraenoic acid (5-oxo-ETE) receptor antagonists. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4770-4776.	2.2	4
177	Design and synthesis of affinity chromatography ligands for the purification of 5-hydroxyeicosanoid dehydrogenase. Bioorganic and Medicinal Chemistry, 2017, 25, 116-125.	3.0	4
178	Increased 8,12â€isoâ€iPF2â€VI in Alzheimer's disease: Correlation of a noninvasive index of lipid peroxidation with disease severity. Annals of Neurology, 2000, 48, 809-812.	5.3	4
179	The Lipoxins: Synthesis and Biosynthesis. , 1988, 229, 79-92.		4
180	A new approach to the synthesis of polyunsaturated deuterated isoprostanes: Total synthesis of d4-5-epi-8,12-iso-iPF3Î±-VI and d4-8,12-iso-iPF3Î±-VI. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6755-6758.	2.2	3

#	Article	IF	Citations
181	The lipoxins: Determination of their biosynthesis. Pharmacological Research Communications, 1986, 18, 11-23.	0.2	2
182	First successful substitution of 5H-dibenzo[a,d]cyclohepten-5-one. Journal of the Chemical Society Chemical Communications, 1979, , 892.	2.0	1
183	Vitamin E reduces amyloidosis and improves cognitive function in Tg2576 mice following repetitive concussive brain injury. Journal of Neurochemistry, 2004, 90, 1541-1541.	3.9	1
184	5-Oxo-ETE and Inflammation. , 2016, , 185-210.		1
185	Metabolism of anti-inflammatory OXE (oxoeicosanoid) receptor antagonists by nonhuman primates. European Journal of Pharmaceutical Sciences, 2022, 172, 106144.	4.0	1
186	Comparative Actions of Biologic and Synthetic Leukotrienes on Isolated Human Bronchus and Rat Mast Cells. International Archives of Allergy and Immunology, 1984, 74, 15-20.	2.1	0
187	Silyl Group Deprotection by Pd/C/H2. A Facile and Selective Method.. ChemInform, 2004, 35, no.	0.0	0
188	An Efficient Preparation of Stereospecific ?-Hydroxy Nitriles.. ChemInform, 2005, 36, no.	0.0	0
189	Lipoxygenase Metabolites. , 1988, , 171-206.		0