Robert G Salomon

List of Publications by Year
in descending order

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219	13,198	36271	27389
papers	citations	51 h-index	106 g-index

233	233	233	9761
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	4-Hydroxy-7-oxo-5-heptenoic acid lactone is a potent inducer of brain cancer cell invasiveness that may contribute to the failure of anti-angiogenic therapies. Free Radical Biology and Medicine, 2020, 146, 234-256.	1.3	2
2	4-Hydroxy-7-oxo-5-heptenoic acid lactone can induce mitochondrial dysfunction in retinal pigmented epithelial cells. Free Radical Biology and Medicine, 2020, 160, 719-733.	1.3	1
3	Toll-like Receptor 2 Facilitates Oxidative Damage-Induced Retinal Degeneration. Cell Reports, 2020, 30, 2209-2224.e5.	2.9	36
4	4-Hydroxy-7-oxo-5-heptenoic acid (HOHA) lactone induces apoptosis in retinal pigment epithelial cells. Free Radical Biology and Medicine, 2020, 152, 280-294.	1.3	6
5	The Adductomics of Isolevuglandins: Oxidation of IsoLG Pyrrole Intermediates Generates Pyrroleâ€“Pyrrole Crosslinks and Lactams. High-Throughput, 2019, 8, 12.	4.4	2
6	Light-induced generation and toxicity of docosahexaenoate-derived oxidation products in retinal pigmented epithelial cells. Experimental Eye Research, 2019, 181, 325-345.	1.2	19
7	Highâ€resolution dynamic oxygenâ€17 MR imaging of mouse brain with goldenâ€ratioâ€“based radial sampling and kâ€spaceâ€“weighted image reconstruction. Magnetic Resonance in Medicine, 2018, 79, 256-263.	1.9	3
8	Oxidative modifications of extracellular matrix promote the second wave of inflammation via Î²2 integrins. Blood, 2018, 132, 78-88.	0.6	41
9	4-Hydroxy-7-oxo-5-heptenoic Acid Lactone Is a Potent Inducer of the Complement Pathway in Human Retinal Pigmented Epithelial Cells. Chemical Research in Toxicology, 2018, 31, 666-679.	1.7	9
10	Total Synthesis Confirms the Molecular Structure Proposed for Oxidized Levuglandin D2. Journal of Natural Products, 2017, 80, 488-498.	1.5	7
11	Carboxyethylpyrroles: From Hypothesis to the Discovery of Biologically Active Natural Products. Chemical Research in Toxicology, 2017, 30, 105-113.	1.7	8
12	2-(Ï‰-Carboxyethyl)pyrrole Antibody as a New Inhibitor of Tumor Angiogenesis and Growth. Anti-Cancer Agents in Medicinal Chemistry, 2017, 17, 813-820.	0.9	5
13	Metabolism of 4-Hydroxy-7-oxo-5-heptenoic Acid (HOHA) Lactone by Retinal Pigmented Epithelial Cells. Chemical Research in Toxicology, 2016, 29, 1198-1210.	1.7	8
14	Novel phosphatidylethanolamine derivatives accumulate in circulation in hyperlipidemic ApoEâ^'/â^' mice and activate platelets via TLR2. Blood, 2016, 127, 2618-2629.	0.6	38
15	Molecular Structures of Isolevuglandin-Protein Cross-Links. Chemical Research in Toxicology, 2016, 29, 1628-1640.	1.7	12
16	Bioactive 4-Oxoheptanedioic Monoamide Derivatives of Proteins and Ethanolaminephospholipids: Products of Docosahexaenoate Oxidation. Chemical Research in Toxicology, 2016, 29, 1706-1719.	1.7	1
17	4-Hydroxy-7-oxo-5-heptenoic Acid Lactone Induces Angiogenesis through Several Different Molecular Pathways. Chemical Research in Toxicology, 2016, 29, 2125-2135.	1.7	11
18	Efficient Quantitative Analysis of Carboxyalkylpyrrole Ethanolamine Phospholipids: Elevated Levels in Sickle Cell Disease Blood. Chemical Research in Toxicology, 2016, 29, 1187-1197.	1.7	5

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19	4-Hydroxy-7-oxo-5-heptenoic Acid (HOHA) Lactone is a Biologically Active Precursor for the Generation of 2-(Ï‰-Carboxyethyl)pyrrole (CEP) Derivatives of Proteins and Ethanolamine Phospholipids. Chemical Research in Toxicology, 2015, 28, 967-977.	1.7	16
20	Isolevuglandin Adducts in Disease. Antioxidants and Redox Signaling, 2015, 22, 1703-1718.	2.5	35
21	Receptor-Mediated Mechanism Controlling Tissue Levels of Bioactive Lipid Oxidation Products. Circulation Research, 2015, 117, 321-332.	2.0	24
22	T Cells and Macrophages Responding to Oxidative Damage Cooperate in Pathogenesis of a Mouse Model of Age-Related Macular Degeneration. PLoS ONE, 2014, 9, e88201.	1.1	56
23	Detection and Biological Activities of Carboxyethylpyrrole Ethanolamine Phospholipids (CEP-EPs). Chemical Research in Toxicology, 2014, 27, 2015-2022.	1.7	26
24	Protective role of HO-1 and carbon monoxide in ethanol-induced hepatocyte cell death and liver injury in mice. Journal of Hepatology, 2014, 61, 1029-1037.	1.8	75
25	The Oxidative Stress Product Carboxyethylpyrrole Potentiates TLR2/TLR1 Inflammatory Signaling in Macrophages. PLoS ONE, 2014, 9, e106421.	1.1	26
26	Metabolomics and Mass Isotopomer Analysis as a Strategy for Pathway Discovery: Pyrrolyl and Cyclopentenyl Derivatives of the Pro-Drug of Abuse, Levulinate. Chemical Research in Toxicology, 2013, 26, 213-220.	1.7	9
27	Posttranslational modification by an isolevuglandin diminishes activity of the mitochondrial cytochrome P450 27A1. Journal of Lipid Research, 2013, 54, 1421-1429.	2.0	18
28	Infiltration of Proinflammatory M1 Macrophages into the Outer Retina Precedes Damage in a Mouse Model of Age-Related Macular Degeneration. International Journal of Inflammation, 2013, 2013, 1-12.	0.9	97
29	Pretreatment with Pyridoxamine Mitigates Isolevuglandin-associated Retinal Effects in Mice Exposed to Bright Light. Journal of Biological Chemistry, 2013, 288, 29267-29280.	1.6	25
30	Engagement of Platelet Toll-Like Receptor 9 by Novel Endogenous Ligands Promotes Platelet Hyperreactivity and Thrombosis. Circulation Research, 2013, 112, 103-112.	2.0	140
31	Pretreatment with pyridoxamine mitigates isolevuglandin-associated retinal effects in mice exposed to bright light.. Journal of Biological Chemistry, 2013, 288, 34054.	1.6	0
32	CEP Biomarkers as Potential Tools for Monitoring Therapeutics. PLoS ONE, 2013, 8, e76325.	1.1	20
33	The Mechanism of Fenretinide (4-HPR) Inhibition of Î²-carotene Monooxygenase 1. New Suspect for the Visual Side Effects of Fenretinide. Advances in Experimental Medicine and Biology, 2012, 723, 167-174.	0.8	9
34	Structural Identification and Cardiovascular Activities of Oxidized Phospholipids. Circulation Research, 2012, 111, 930-946.	2.0	58
35	NLRP3 has a protective role in age-related macular degeneration through the induction of IL-18 by drusen components. Nature Medicine, 2012, 18, 791-798.	15.2	365
36	Fragmentation of Î²-Hydroxy Hydroperoxides. Journal of Organic Chemistry, 2012, 77, 1554-1559.	1.7	20

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37	Fragmentation of a linoleate-derived Î³-hydroperoxy-Î±,Î²-unsaturated epoxide to Î³-hydroxy- and Î³-oxo-alkenals involves a unique pseudo-symmetrical diepoxycarbinyl radical. Free Radical Biology and Medicine, 2012, 52, 601-606.	1.3	19
38	Abstract 214: Engagement of Platelet Toll-like Receptor 9 by Classical and Novel Endogenous Ligands Promotes Platelet Hyperreactivity and Thrombosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, .	1.1	0
39	An¹O₂Route to Î³-Hydroxyalkenal Phospholipids by Vitamin E-Induced Fragmentation of Hydroperoxydiene-Derived Endoperoxides. Chemical Research in Toxicology, 2011, 24, 1080-1093.	1.7	6
40	Discovery of Carboxyethylpyrroles (CEPs): Critical Insights into AMD, Autism, Cancer, and Wound Healing from Basic Research on the Chemistry of Oxidized Phospholipids. Chemical Research in Toxicology, 2011, 24, 1803-1816.	1.7	42
41	Critical Insights into Cardiovascular Disease from Basic Research on the Oxidation of Phospholipids: The Î³-Hydroxyalkenal Phospholipid Hypothesis. Chemical Research in Toxicology, 2011, 24, 1791-1802.	1.7	22
42	Lysophosphatidylcholine is Generated by Spontaneous Deacylation of Oxidized Phospholipids. Chemical Research in Toxicology, 2011, 24, 111-118.	1.7	63
43	An efficient synthesis of Î³-hydroxy-Î±,Î²-unsaturated aldehydic esters of 2-lysophosphatidylcholine. Bioorganic and Medicinal Chemistry, 2011, 19, 580-587.	1.4	12
44	Cardiolipin: characterization of distinct oxidized molecular species. Journal of Lipid Research, 2011, 52, 125-135.	2.0	54
45	Isolevuglandins and Mitochondrial Enzymes in the Retina. Journal of Biological Chemistry, 2011, 286, 20413-20422.	1.6	24
46	Analysis of intracellular amyloidâ€Î² as a consistent feature of hippocampal neurons. FASEB Journal, 2011, 25, 965.1.	0.2	0
47	A Hapten Generated from an Oxidation Fragment of Docosahexaenoic Acid Is Sufficient to Initiate Age-Related Macular Degeneration. Molecular Neurobiology, 2010, 41, 290-298.	1.9	89
48	Oxidative stress induces angiogenesis by activating TLR2 with novel endogenous ligands. Nature, 2010, 467, 972-976.	13.7	379
49	A 13-Oxo-9,10-epoxytridecenoate Phospholipid Analogue of the Genotoxic 4,5-Epoxy-2E-decenal: Detection in Vivo, Chemical Synthesis, and Adduction with DNA. Chemical Research in Toxicology, 2010, 23, 516-527.	1.7	1
50	Proteomic and Genomic Biomarkers for Age-Related Macular Degeneration. Advances in Experimental Medicine and Biology, 2010, 664, 411-417.	0.8	30
51	Platelet Activation by Low Concentrations of Intact Oxidized LDL Particles Involves the PAF Receptor. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 363-371.	1.1	60
52	Formation of Î³-ketoaldehydeâ€“protein adducts during ethanol-induced liver injury in mice. Free Radical Biology and Medicine, 2009, 47, 1526-1538.	1.3	35
53	Isolevuglandins covalently modify phosphatidylethanolamines in vivo: Detection and quantitative analysis of hydroxylactam adducts. Free Radical Biology and Medicine, 2009, 47, 1539-1552.	1.3	40
54	Synthesis and structural characterization of carboxyethylpyrrole-modified proteins: mediators of age-related macular degeneration. Bioorganic and Medicinal Chemistry, 2009, 17, 7548-7561.	1.4	30

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55	Assessing Susceptibility to Age-related Macular Degeneration with Proteomic and Genomic Biomarkers. Molecular and Cellular Proteomics, 2009, 8, 1338-1349.	2.5	88
56	Evidence for Oxidative Damage in the Autistic Brain. , 2009, , 35-46.		4
57	Increased isolevuglandin-modified proteins in glaucomatous astrocytes. Molecular Vision, 2009, 15, 1079-91.	1.1	18
58	Oxidative damageâ€“induced inflammation initiates age-related macular degeneration. Nature Medicine, 2008, 14, 194-198.	15.2	657
59	Isolevuglandin-Modified Proteins, Including Elevated Levels of Inactive Calpain-1, Accumulate in Glaucomatous Trabecular Meshwork. Biochemistry, 2008, 47, 817-825.	1.2	29
60	Low-Density Lipoprotein Has an Enormous Capacity To Bind (E)-4-Hydroxynon-2-enal (HNE): Detection and Characterization of Lysyl and Histidyl Adducts Containing Multiple Molecules of HNE. Chemical Research in Toxicology, 2008, 21, 1384-1395.	1.7	24
61	Neuroprotection in Glaucoma Using Calpain-1 Inhibitors: Regional Differences in Calpain-1 Activity in the Trabecular Meshwork, Optic Nerve and Implications for Therapeutics. CNS and Neurological Disorders - Drug Targets, 2008, 7, 295-304.	0.8	11
62	Retinal Pigment Epithelium Lipofuscin Proteomics. Molecular and Cellular Proteomics, 2008, 7, 1397-1405.	2.5	145
63	Polyunsaturated phospholipids promote the oxidation and fragmentation of Î³-hydroxyalkenals: formation and reactions of oxidatively truncated ether phospholipids. Journal of Lipid Research, 2008, 49, 832-846.	2.0	20
64	Specific Oxidized Phospholipids Inhibit Scavenger Receptor BI-mediated Selective Uptake of Cholesteryl Esters. Journal of Biological Chemistry, 2008, 283, 10408-10414.	1.6	52
65	The Lipid Whisker Model of the Structure of Oxidized Cell Membranes. Journal of Biological Chemistry, 2008, 283, 2385-2396.	1.6	249
66	Carboxyethylpyrrole Adducts, Age-related Macular Degeneration and Neovascularization. Advances in Experimental Medicine and Biology, 2008, 613, 261-267.	0.8	12
67	The Autistic Phenotype Exhibits a Remarkably Localized Modification of Brain Protein by Products of Free Radical-Induced Lipid Oxidation. American Journal of Biochemistry and Biotechnology, 2008, 4, 61-72.	0.1	47
68	Conformation of an Endogenous Ligand in a Membrane Bilayer for the Macrophage Scavenger Receptor CD36. Biochemistry, 2007, 46, 5009-5017.	1.2	38
69	Fe2+Catalyzes Vitamin E-Induced Fragmentation of Hydroperoxy and Hydroxy Endoperoxides That Generates Î³-Hydroxy Alkenals. Journal of the American Chemical Society, 2007, 129, 6088-6089.	6.6	15
70	Platelet CD36 links hyperlipidemia, oxidant stress and a prothrombotic phenotype. Nature Medicine, 2007, 13, 1086-1095.	15.2	420
71	Serum Vitamin E and Oxidative Protein Modification in Hemodialysis: A Randomized Clinical Trial. American Journal of Kidney Diseases, 2007, 50, 305-313.	2.1	31
72	Identification of Oxidatively Truncated Ethanolamine Phospholipids in Retina and Their Generation from Polyunsaturated Phosphatidylethanolamines. Chemical Research in Toxicology, 2006, 19, 262-271.	1.7	43

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73	Preparative Singlet Oxygenation of Linoleate Provides Doubly Allylic Dihydroperoxides:Â Putative Intermediates in the Generation of Biologically Active Aldehydes in Vivo. Journal of Organic Chemistry, 2006, 71, 5607-5615.	1.7	31
74	A role for neutral sphingomyelinase activation in the inhibition of LPS action by phospholipid oxidation products. Journal of Lipid Research, 2006, 47, 1967-1974.	2.0	49
75	Light-induced Oxidation of Photoreceptor Outer Segment Phospholipids Generates Ligands for CD36-mediated Phagocytosis by Retinal Pigment Epithelium. Journal of Biological Chemistry, 2006, 281, 4222-4230.	1.6	142
76	Phospholipid Hydroxyalkenals, a Subset of Recently Discovered Endogenous CD36 Ligands, Spontaneously Generate Novel Furan-containing Phospholipids Lacking CD36 Binding Activityin Vivo. Journal of Biological Chemistry, 2006, 281, 31298-31308.	1.6	31
77	Carboxyethylpyrrole oxidative protein modifications stimulate neovascularization: Implications for age-related macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13480-13484.	3.3	107
78	Phospholipid Hydroxyalkenals, a Subset of Recently Discovered Endogenous CD36 Ligands, Spontaneously Generate Novel Furan-containing Phospholipids Lacking CD36 Binding Activity in Vivo. Journal of Biological Chemistry, 2006, 281, 31298-31308.	1.6	5
79	Distinguishing levuglandins produced through the cyclooxygenase and isoprostane pathways. Chemistry and Physics of Lipids, 2005, 134, 1-20.	1.5	30
80	Isolevuglandins, Oxidatively Truncated Phospholipids, and Atherosclerosis. Annals of the New York Academy of Sciences, 2005, 1043, 327-342.	1.8	23
81	Oxidized phospholipids, isolevuglandins, and atherosclerosis. Molecular Nutrition and Food Research, 2005, 49, 1050-1062.	1.5	17
82	An Efficient Synthesis of 4-Oxoalkenoic Acids from 2-Alkylfurans. Synlett, 2005, 2005, 1468-1470.	1.0	3
83	Levuglandins and Isolevuglandins: Stealthy Toxins of Oxidative Injury. Antioxidants and Redox Signaling, 2005, 7, 185-201.	2.5	35
84	Cochlin deposits in the trabecular meshwork of the glaucomatous DBA/2J mouse. Experimental Eye Research, 2005, 80, 741-744.	1.2	38
85	Oxidative Fragmentation of Hydroxy Octadecadienoates Generates Biologically Active Î³-Hydroxyalkenals. Journal of the American Chemical Society, 2004, 126, 5699-5708.	6.6	49
86	Iso[7]LGD2â^'Protein Adducts Are Abundant in Vivo and Free Radical-Induced Oxidation of an Arachidonyl Phospholipid Generates This D Series Isolevuglandin in Vitro. Chemical Research in Toxicology, 2004, 17, 613-622.	1.7	23
87	Î³-Hydroxyalkenals Are Oxidatively Cleaved through Michael Addition of Acylperoxy Radicals and Fragmentation of Intermediate Î²-Hydroxyperesters. Journal of the American Chemical Society, 2004, 126, 11522-11528.	6.6	8
88	Oxidatively Truncated Docosahexaenoate Phospholipids:â€‰ Total Synthesis, Generation, and Peptide Adduction Chemistry. Journal of Organic Chemistry, 2003, 68, 3749-3761.	1.7	71
89	Total Syntheses of Bioactive Oxidized Ethanolamine Phospholipids. Organic Letters, 2003, 5, 2797-2799.	2.4	12
90	Carboxyethylpyrrole Protein Adducts and Autoantibodies, Biomarkers for Age-related Macular Degeneration. Journal of Biological Chemistry, 2003, 278, 42027-42035.	1.6	289

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91	Isolevuglandins, a novel class of isoprostenoid derivatives, function as integrated sensors of oxidant stress and are generated by myeloperoxidase in vivo. FASEB Journal, 2003, 17, 2209-2220.	0.2	51
92	Proteomic Approaches to Understanding Age-Related Macular Degeneration. Advances in Experimental Medicine and Biology, 2003, 533, 83-89.	0.8	54
93	A Novel Family of Atherogenic Oxidized Phospholipids Promotes Macrophage Foam Cell Formation via the Scavenger Receptor CD36 and Is Enriched in Atherosclerotic Lesions. Journal of Biological Chemistry, 2002, 277, 38517-38523.	1.6	333
94	Identification of a Novel Family of Oxidized Phospholipids That Serve as Ligands for the Macrophage Scavenger Receptor CD36. Journal of Biological Chemistry, 2002, 277, 38503-38516.	1.6	389
95	Drusen proteome analysis: An approach to the etiology of age-related macular degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 14682-14687.	3.3	1,082
96	Novel Bioactive Phospholipids:Â Practical Total Syntheses of Products from the Oxidation of Arachidonic and Linoleic Esters of 2-Lysophosphatidylcholine1. Journal of Organic Chemistry, 2002, 67, 3575-3584.	1.7	58
97	Preservation of Cardiolipin Content During Aging in Rat Heart Interfibrillar Mitochondria. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2002, 57, B22-B28.	1.7	72
98	Hydroxy alkenal phospholipids regulate inflammatory functions of endothelial cells. Vascular Pharmacology, 2002, 38, 201-209.	1.0	73
99	Isolevuglandin-protein Adducts in Oxidized Low Density Lipoprotein and Human Plasma A Strong Connection with Cardiovascular Disease. Trends in Cardiovascular Medicine, 2000, 10, 53-59.	2.3	24
100	Isolevuglandinâ€“protein adducts in humans: products of free radical-induced lipid oxidation through the isoprostane pathway. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2000, 1485, 225-235.	1.2	73
101	Total Synthesis of 17-isoLevuglandin E4and the Structure of C22-PGF4Î±. Journal of Organic Chemistry, 2000, 65, 5315-5326.	1.7	13
102	HNE-Derived 2-Pentylpyrroles Are Generated during Oxidation of LDL, Are More Prevalent in Blood Plasma from Patients with Renal Disease or Atherosclerosis, and Are Present in Atherosclerotic Plaques. Chemical Research in Toxicology, 2000, 13, 557-564.	1.7	91
103	Total Synthesis of Oxidized Phospholipids. 3. The (11E)-9-Hydroxy-13-oxotridec-11-enoate Ester of 2-Lysophosphatidylcholine. Journal of Organic Chemistry, 2000, 65, 6660-6665.	1.7	22
104	New developments in the isoprostane pathway: identification of novel highly reactive Î³â€ketoaldehydes (isolevuglandins) and characterization of their protein adducts. FASEB Journal, 1999, 13, 1157-1168.	0.2	35
105	Protein Adducts of Iso[4]levuglandin E2, a Product of the Isoprostane Pathway, in Oxidized Low Density Lipoprotein. Journal of Biological Chemistry, 1999, 274, 20271-20280.	1.6	52
106	Identification of Extremely Reactive Î³-Ketoaldehydes (Isolevuglandins) as Products of the Isoprostane Pathway and Characterization of Their Lysyl Protein Adducts. Journal of Biological Chemistry, 1999, 274, 13139-13146.	1.6	157
107	Leukocytes Utilize Myeloperoxidase-Generated Nitrating Intermediates as Physiological Catalysts for the Generation of Biologically Active Oxidized Lipids and Sterols in Serum. Biochemistry, 1999, 38, 16904-16915.	1.2	86
108	Total Synthesis of Iso[7]-Levuglandin D2. Journal of Organic Chemistry, 1999, 64, 1218-1224.	1.7	23

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109	Characterization of the Lysyl Adducts Formed from Prostaglandin H2via the Levuglandin Pathwayâ€. Biochemistry, 1999, 38, 9389-9396.	1.2	64
110	Formation of Reactive Products of the Isoprostane Pathway: Isolevuglandins and Cyclopentenone Isoprostanes. Advances in Experimental Medicine and Biology, 1999, 469, 335-341.	0.8	2
111	Advanced lipid peroxidation end-products in Alexander's disease1Send reprint requests to M.A. Smith, 2085 Adelbert Road, Cleveland, OH 44106, USA. Tel.: +216-368-3670; fax: +216-368-8964.1. Brain Research, 1998, 787, 15-18.	1.1	32
112	Measurement of oxidation in plasma Lp(a) in CAPD patients using a novel ELISA. Kidney International, 1998, 54, 637-645.	2.6	14
113	Total Synthesis of Î³-Hydroxy-Î±,Î²-Unsaturated Aldehydic Esters of Cholesterol and 2-Lysophosphatidylcholine. Journal of Organic Chemistry, 1998, 63, 7789-7794.	1.7	26
114	Synthesis of [9-3H]-trans-4-Hydroxy-2-nonenal. Journal of Organic Chemistry, 1998, 63, 3504-3507.	1.7	10
115	Structural Identification by Mass Spectrometry of Oxidized Phospholipids in Minimally Oxidized Low Density Lipoprotein That Induce Monocyte/Endothelial Interactions and Evidence for Their Presence in Vivo. Journal of Biological Chemistry, 1997, 272, 13597-13607.	1.6	691
116	Levuglandin E2â˜Protein Adducts in Human Plasma and Vasculature. Chemical Research in Toxicology, 1997, 10, 536-545.	1.7	53
117	(Carboxyalkyl)pyrroles in Human Plasma and Oxidized Low-Density Lipoproteins. Chemical Research in Toxicology, 1997, 10, 1387-1396.	1.7	94
118	Oxidation of Low-Density Lipoproteins Produces Levuglandin-Protein Adducts. Chemical Research in Toxicology, 1997, 10, 750-759.	1.7	51
119	Total Synthesis of Iso[4]-levuglandin E2. Journal of Organic Chemistry, 1997, 62, 7658-7666.	1.7	33
120	Macrophage recognition of LDL modified by levuglandin E2, an oxidation product of arachidonic acid. Lipids and Lipid Metabolism, 1997, 1344, 1-5.	2.6	38
121	4â€Hydroxynonenalâ€Derived Advanced Lipid Peroxidation End Products Are Increased in Alzheimer's Disease. Journal of Neurochemistry, 1997, 68, 2092-2097.	2.1	892
122	Immunochemical Evidence Supporting 2-Pentylpyrrole Formation on Proteins Exposed to 4-Hydroxy-2-nonenal. Chemical Research in Toxicology, 1996, 9, 1194-1201.	1.7	94
123	Formation and Stability of Pyrrole Adducts in the Reaction of Levuglandin E2 with Proteins. Chemical Research in Toxicology, 1995, 8, 61-67.	1.7	37
124	A short synthesis of the antimitotic allylic diepoxide functional array of spatol. Tetrahedron Letters, 1994, 35, 517-520.	0.7	24
125	Synthesis of a Pyrazole Isostere of Pyrroles Formed by the Reaction of the .epsilon.-Amino Groups of Protein Lysyl Residues with Levuglandin E2. Journal of Organic Chemistry, 1994, 59, 6044-6050.	1.7	17
126	Generation of pyrroles in the reaction of Levuglandin E2 with proteins. Journal of Organic Chemistry, 1994, 59, 6038-6043.	1.7	51

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127	Total synthesis of halichondrin b from common sugars: An F-ring intermediate from D-glucose and efficient construction of the C1 to C21 segment. Tetrahedron Letters, 1993, 34, 8193-8196.	0.7	50
128	Total synthesis of halichondrins: Enantioselective construction of a homochiral tetracyclic KLMN-ring intermediate from D-mannitol. Tetrahedron Letters, 1993, 34, 3247-3250.	0.7	26
129	Pyrrole formation from 4-hydroxynonenal and primary amines. Chemical Research in Toxicology, 1993, 6, 19-22.	1.7	165
130	Formation of DNA-protein cross-links in mammalian cells by levuglandin E2. Biochemistry, 1993, 32, 4090-4097.	1.2	59
131	Homogeneous Metal-Catalyzed Photochemistry in Organic Synthesis. Advances in Chemistry Series, 1993, , 315-333.	0.6	5
132	Synthesis of a Cancer Growth-Inhibiting Diterpene: Spatol. Strategies and Tactics in Organic Synthesis, 1991, , 381-416.	0.1	2
133	Total synthesis of spatol and other spatane diterpenes. Journal of the American Chemical Society, 1991, 113, 3096-3106.	6.6	32
134	Total synthesis of spatane diterpenes: the tricyclic nucleus. Journal of the American Chemical Society, 1991, 113, 3085-3095.	6.6	36
135	Total synthesis of halichondrins: Enantioselective construction of a homochiral pentacyclic C1-C15 intermediate from d-ribose. Tetrahedron Letters, 1990, 31, 3813-3816.	0.7	59
136	Prostaglandin endoperoxides. 26. Decomposition of levuglandin E2. Dehydration and allylic rearrangement products. Journal of Organic Chemistry, 1990, 55, 3175-3180.	1.7	17
137	Prostaglandin endoperoxides. 25. Levuglandin E2: enantiocontrolled total synthesis of a biologically active rearrangement product from the prostaglandin endoperoxide PGH2. Journal of Organic Chemistry, 1990, 55, 3164-3175.	1.7	34
138	Total synthesis of (+)-spatol. A stereospecific construction of vicinal diepoxides from 2,3-epoxy-1,4-diols. Tetrahedron Letters, 1989, 30, 4621-4624.	0.7	11
139	Total synthesis of halichondrins: Highly stereoselective construction of a homochiral pentasubstituted H-ring pyran intermediate from Î±-d-glucose. Tetrahedron Letters, 1989, 30, 6279-6282.	0.7	48
140	Total synthesis establishing the correct structures of robustadials A and B. Reinterpretation of NMR data. Journal of Organic Chemistry, 1989, 54, 1562-1570.	1.7	17
141	6-Substituted bicyclo[2.2.1]hept-5-en-2-one ketals. Journal of Organic Chemistry, 1989, 54, 2628-2632.	1.7	15
142	Oxidative bisdecarboxylation of Î±-alkoxymalonic acids with cerium(IV). Tetrahedron Letters, 1988, 29, 769-772.	0.7	22
143	Robustadials. 3. Total synthesis of camphane analogs. Journal of Organic Chemistry, 1988, 53, 3681-3688.	1.7	14
144	Robustadials. 4. Molecular mechanics and NMR studies of conformational and configurational equilibria: 3,4-dihydrospiro[2H-1-benzopyran-2,2'-bicyclo[2.2.1]heptanes]. Journal of Organic Chemistry, 1988, 53, 3688-3695.	1.7	10

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