

# Robert G Salomon

## List of Publications by Year in descending order

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docs citations

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times ranked

9761  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	4-Hydroxynonenal-Derived Advanced Lipid Peroxidation End Products Are Increased in Alzheimer's Disease. Journal of Neurochemistry, 1997, 68, 2092-2097.	2.1	892
3	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
4	Oxidative damage-induced inflammation initiates age-related macular degeneration. Nature Medicine, 2008, 14, 194-198.	15.2	657
5	Platelet CD36 links hyperlipidemia, oxidant stress and a prothrombotic phenotype. Nature Medicine, 2007, 13, 1086-1095.	15.2	420
6	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
7	Oxidative stress induces angiogenesis by activating TLR2 with novel endogenous ligands. Nature, 2010, 467, 972-976.	13.7	379
8	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
9	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
10	Copper(I) catalysis in cyclopropanations with diazo compounds. Role of olefin coordination. Journal of the American Chemical Society, 1973, 95, 3300-3310.	6.6	289
11	Carboxyethylpyrrole Protein Adducts and Autoantibodies, Biomarkers for Age-related Macular Degeneration. Journal of Biological Chemistry, 2003, 278, 42027-42035.	1.6	289
12	The Lipid Whisker Model of the Structure of Oxidized Cell Membranes. Journal of Biological Chemistry, 2008, 283, 2385-2396.	1.6	249
13	Homogeneous metal-catalysis in organic photochemistry. Tetrahedron, 1983, 39, 485-575.	1.0	169
14	Pyrrole formation from 4-hydroxynonenal and primary amines. Chemical Research in Toxicology, 1993, 6, 19-22.	1.7	165
15	Identification of Extremely Reactive $\beta$ -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
16	Retinal Pigment Epithelium Lipofuscin Proteomics. Molecular and Cellular Proteomics, 2008, 7, 1397-1405.	2.5	145
17	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
18	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

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19	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
20	Total synthesis of prostaglandins. VI. Stereospecific total synthesis of prostaglandins via reaction of .alpha.-alkylcyclopentenones with organocuprates. Journal of the American Chemical Society, 1975, 97, 857-865.	6.6	97
21	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
22	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
23	(Carboxyalkyl)pyrroles in Human Plasma and Oxidized Low-Density Lipoproteins. Chemical Research in Toxicology, 1997, 10, 1387-1396.	1.7	94
24	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
25	Prostaglandin endoperoxides. 14. Solvent-induced fragmentation of prostaglandin endoperoxides. New aldehyde products from PGH2 and a novel intramolecular 1,2-hydride shift during endoperoxide fragmentation in aqueous solution. Journal of the American Chemical Society, 1984, 106, 6049-6060.	6.6	89
26	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
27	Assessing Susceptibility to Age-related Macular Degeneration with Proteomic and Genomic Biomarkers. Molecular and Cellular Proteomics, 2009, 8, 1338-1349.	2.5	88
28	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
29	Ruthenium(II) catalyzed rearrangement of diallyl ethers. A synthesis of .gamma.,.delta.-unsaturated aldehydes and ketones. Journal of Organic Chemistry, 1977, 42, 3360-3364.	1.7	80
30	Copper(I) catalysis in photocycloadditions. II. Cyclopentene, cyclohexene, and cycloheptene. Journal of the American Chemical Society, 1974, 96, 1145-1152.	6.6	77
31	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
32	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
33	Hydroxy alkenal phospholipids regulate inflammatory functions of endothelial cells. Vascular Pharmacology, 2002, 38, 201-209.	1.0	73
34	Total synthesis of prostaglandins. II. Prostaglandin E1. Journal of the American Chemical Society, 1972, 94, 3643-3644.	6.6	72
35	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
36	Oxidatively Truncated Docosahexaenoate Phospholipids:â€“ Total Synthesis, Generation, and Peptide Adduction Chemistry. Journal of Organic Chemistry, 2003, 68, 3749-3761.	1.7	71

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37	Copper(I) catalysis of olefin photoreactions. 9. Photobicyclization of .alpha.-, .beta.-, and .gamma.-alkenylallyl alcohols. <i>Journal of the American Chemical Society</i> , 1982, 104, 998-1007.	6.6	66
38	Copper(I) catalysis in photocycloadditions. I. Norbornene. <i>Journal of the American Chemical Society</i> , 1974, 96, 1137-1144.	6.6	65
39	Characterization of the Lysyl Adducts Formed from Prostaglandin H2 via the Levuglandin Pathway. <i>Biochemistry</i> , 1999, 38, 9389-9396.	1.2	64
40	Lysophosphatidylcholine is Generated by Spontaneous Deacylation of Oxidized Phospholipids. <i>Chemical Research in Toxicology</i> , 2011, 24, 111-118.	1.7	63
41	Platelet Activation by Low Concentrations of Intact Oxidized LDL Particles Involves the PAF Receptor. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009, 29, 363-371.	1.1	60
42	Rhodium(I) catalysis of vinylcyclopropane epimerization and ring cleavage rearrangements. <i>Journal of the American Chemical Society</i> , 1977, 99, 1043-1054.	6.6	59
43	Total synthesis of halichondrins: Enantioselective construction of a homochiral pentacyclic C1-C15 intermediate from d-ribose. <i>Tetrahedron Letters</i> , 1990, 31, 3813-3816.	0.7	59
44	Formation of DNA-protein cross-links in mammalian cells by levuglandin E2. <i>Biochemistry</i> , 1993, 32, 4090-4097.	1.2	59
45	Novel Bioactive Phospholipids: A Practical Total Syntheses of Products from the Oxidation of Arachidonic and Linoleic Esters of 2-Lysophosphatidylcholine. <i>Journal of Organic Chemistry</i> , 2002, 67, 3575-3584.	1.7	58
46	Structural Identification and Cardiovascular Activities of Oxidized Phospholipids. <i>Circulation Research</i> , 2012, 111, 930-946.	2.0	58
47	T Cells and Macrophages Responding to Oxidative Damage Cooperate in Pathogenesis of a Mouse Model of Age-Related Macular Degeneration. <i>PLoS ONE</i> , 2014, 9, e88201.	1.1	56
48	Cardiolipin: characterization of distinct oxidized molecular species. <i>Journal of Lipid Research</i> , 2011, 52, 125-135.	2.0	54
49	Proteomic Approaches to Understanding Age-Related Macular Degeneration. <i>Advances in Experimental Medicine and Biology</i> , 2003, 533, 83-89.	0.8	54
50	Levuglandin E2-Protein Adducts in Human Plasma and Vasculature. <i>Chemical Research in Toxicology</i> , 1997, 10, 536-545.	1.7	53
51	Protein Adducts of Iso[4]levuglandin E2, a Product of the Isoprostane Pathway, in Oxidized Low Density Lipoprotein. <i>Journal of Biological Chemistry</i> , 1999, 274, 20271-20280.	1.6	52
52	Specific Oxidized Phospholipids Inhibit Scavenger Receptor BI-mediated Selective Uptake of Cholesteryl Esters. <i>Journal of Biological Chemistry</i> , 2008, 283, 10408-10414.	1.6	52
53	Generation of pyrroles in the reaction of Levuglandin E2 with proteins. <i>Journal of Organic Chemistry</i> , 1994, 59, 6038-6043.	1.7	51
54	Oxidation of Low-Density Lipoproteins Produces Levuglandin-Protein Adducts. <i>Chemical Research in Toxicology</i> , 1997, 10, 750-759.	1.7	51

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55	Isolevuglandins, a novel class of isoprostenoid derivatives, function as integrated sensors of oxidant stress and are generated by myeloperoxidase in vivo. <i>FASEB Journal</i> , 2003, 17, 2209-2220.	0.2	51
56	Carbon-13 NMR spectra of olefin-copper(I) complexes. <i>Journal of Organometallic Chemistry</i> , 1974, 64, 135-143.	0.8	50
57	Total synthesis of halichondrin b from common sugars: An F-ring intermediate from D-glucose and efficient construction of the C1 to C21 segment. <i>Tetrahedron Letters</i> , 1993, 34, 8193-8196.	0.7	50
58	Oxidative Fragmentation of Hydroxy Octadecadienoates Generates Biologically Active $\hat{1}^3$ -Hydroxyalkenals. <i>Journal of the American Chemical Society</i> , 2004, 126, 5699-5708.	6.6	49
59	A role for neutral sphingomyelinase activation in the inhibition of LPS action by phospholipid oxidation products. <i>Journal of Lipid Research</i> , 2006, 47, 1967-1974.	2.0	49
60	The prostaglandin endoperoxide nucleus and related bicyclic peroxides. Synthetic and spectroscopic studies. <i>Journal of the American Chemical Society</i> , 1979, 101, 1533-1539.	6.6	48
61	Total synthesis of halichondrins: Highly stereoselective construction of a homochiral pentasubstituted H-ring pyran intermediate from $\hat{1}^{\pm}$ -d-glucose. <i>Tetrahedron Letters</i> , 1989, 30, 6279-6282.	0.7	48
62	The Autistic Phenotype Exhibits a Remarkably Localized Modification of Brain Protein by Products of Free Radical-Induced Lipid Oxidation. <i>American Journal of Biochemistry and Biotechnology</i> , 2008, 4, 61-72.	0.1	47
63	Hydroxyl-directed regioselective monodemethylation of polymethoxyarenes. <i>Journal of Organic Chemistry</i> , 1987, 52, 1072-1078.	1.7	45
64	Copper(I) catalysis of olefin photoreactions. 15. Synthesis of cyclobutanated butyrolactones via copper(I)-catalyzed intermolecular photocycloadditions of homoallyl vinyl or diallyl ethers. <i>Journal of Organic Chemistry</i> , 1987, 52, 83-90.	1.7	45
65	Stereocontrol of Michael hydride reduction by a remote hydroxyl group. A strategy for stereorational total synthesis of spatane diterpenes. <i>Journal of the American Chemical Society</i> , 1984, 106, 2211-2213.	6.6	43
66	Identification of Oxidatively Truncated Ethanolamine Phospholipids in Retina and Their Generation from Polyunsaturated Phosphatidylethanolamines. <i>Chemical Research in Toxicology</i> , 2006, 19, 262-271.	1.7	43
67	Vinylcyclopropanation of olefins with vinyl diazomethane. <i>Journal of Organic Chemistry</i> , 1975, 40, 756-760.	1.7	42
68	Prostaglandin endoperoxide reaction mechanisms and the discovery of levuglandins. <i>Accounts of Chemical Research</i> , 1985, 18, 294-301.	7.6	42
69	Discovery of Carboxyethylpyrroles (CEPs): Critical Insights into AMD, Autism, Cancer, and Wound Healing from Basic Research on the Chemistry of Oxidized Phospholipids. <i>Chemical Research in Toxicology</i> , 2011, 24, 1803-1816.	1.7	42
70	Oxidative modifications of extracellular matrix promote the second wave of inflammation via $\hat{1}^2$ integrins. <i>Blood</i> , 2018, 132, 78-88.	0.6	41
71	Prostaglandin endoperoxides. 15. Asymmetric total synthesis of levuglandin E2. <i>Journal of the American Chemical Society</i> , 1984, 106, 8296-8298.	6.6	40
72	Isolevuglandins covalently modify phosphatidylethanolamines in vivo: Detection and quantitative analysis of hydroxylactam adducts. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1539-1552.	1.3	40

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73	Regiospecific synthesis of .beta.,gamma.-unsaturated ketones from allylic alcohols. Claisen rearrangement of .alpha.-allyloxy ketone enol derivatives. Journal of Organic Chemistry, 1986, 51, 1393-1401.	1.7	39
74	Prostaglandin endoperoxidase 21. Covalent binding of levuglandin E2 with proteins. Prostaglandins, 1987, 34, 643-656.	1.2	39
75	The peroxide transfer reaction. Journal of the American Chemical Society, 1979, 101, 4290-4299.	6.6	38
76	New synthetic approach to 4-alkylidenecyclohexenes. Reduction-protodesilylation of benzylsilanes. Journal of Organic Chemistry, 1979, 44, 3784-3790.	1.7	38
77	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
78	Cochlin deposits in the trabecular meshwork of the glaucomatous DBA/2J mouse. Experimental Eye Research, 2005, 80, 741-744.	1.2	38
79	Conformation of an Endogenous Ligand in a Membrane Bilayer for the Macrophage Scavenger Receptor CD36. Biochemistry, 2007, 46, 5009-5017.	1.2	38
80	Novel phosphatidylethanolamine derivatives accumulate in circulation in hyperlipidemic ApoE <sup>-/-</sup> mice and activate platelets via TLR2. Blood, 2016, 127, 2618-2629.	0.6	38
81	2,3-Dioxabicyclo[2.2.1]heptane. The strained bicyclic peroxide nucleus of prostaglandin endoperoxides. Journal of the American Chemical Society, 1977, 99, 3501-3503.	6.6	37
82	Synthesis of allylcarboxylic acids from olefins with diethyl oxomalonate, an enophilic equivalent of carbon dioxide. Journal of the American Chemical Society, 1980, 102, 2473-2475.	6.6	37
83	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
84	Synthesis and thermal reactivity of some 2,3-dioxabicyclo[2.2.1]heptane models of prostaglandin endoperoxides. Journal of the American Chemical Society, 1977, 99, 655-657.	6.6	36
85	Prostaglandin endoperoxides. 6. A polar transition state in the thermal rearrangement of 2,3-dioxabicyclo[2.2.1]heptane. Journal of the American Chemical Society, 1978, 100, 660-662.	6.6	36
86	Rhodium catalysis of allylic oxidations with molecular oxygen. .beta.-Silyl-2-cycloalkenones. Journal of Organic Chemistry, 1978, 43, 2438-2442.	1.7	36
87	Total synthesis of spatane diterpenes: the tricyclic nucleus. Journal of the American Chemical Society, 1991, 113, 3085-3095.	6.6	36
88	Toll-like Receptor 2 Facilitates Oxidative Damage-Induced Retinal Degeneration. Cell Reports, 2020, 30, 2209-2224.e5.	2.9	36
89	New developments in the isoprostane pathway: identification of novel highly reactive $\hat{I}^3$ ketoaldehydes (isolevuglandins) and characterization of their protein adducts. FASEB Journal, 1999, 13, 1157-1168.	0.2	35
90	Levuglandins and Isolevuglandins: Stealthy Toxins of Oxidative Injury. Antioxidants and Redox Signaling, 2005, 7, 185-201.	2.5	35

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91	Formation of $\hat{1}^3$ -ketoaldehyde $\hat{1}$ protein adducts during ethanol-induced liver injury in mice. <i>Free Radical Biology and Medicine</i> , 2009, 47, 1526-1538.	1.3	35
92	Isolevuglandin Adducts in Disease. <i>Antioxidants and Redox Signaling</i> , 2015, 22, 1703-1718.	2.5	35
93	Prostaglandin endoperoxides. 25. Levuglandin E2: enantiocontrolled total synthesis of a biologically active rearrangement product from the prostaglandin endoperoxide PGH <sub>2</sub> . <i>Journal of Organic Chemistry</i> , 1990, 55, 3164-3175.	1.7	34
94	Facile one-step synthesis of 5-silaspiro[4.4]nona-2,7-diene. <i>Journal of Organic Chemistry</i> , 1974, 39, 3602-3602.	1.7	33
95	Ester enolates from .alpha.-acetoxy esters. Synthesis of arylmalonic and .alpha.-arylalkanoic esters from aryl nucleophiles and .alpha.-keto esters. <i>Journal of Organic Chemistry</i> , 1982, 47, 4692-4702.	1.7	33
96	Oxygen-17 nuclear magnetic resonance chemical shifts of dialkyl peroxides: large conformational effects. <i>Journal of Organic Chemistry</i> , 1985, 50, 4484-4490.	1.7	33
97	Total Synthesis of Iso[4]-levuglandin E2. <i>Journal of Organic Chemistry</i> , 1997, 62, 7658-7666.	1.7	33
98	Total synthesis of ( $\hat{A}$ $\pm$ )-15-deoxyprostaglandin E1. <i>Journal of the Chemical Society Chemical Communications</i> , 1972, , 240b-241.	2.0	32
99	Total synthesis of spatol and other spatane diterpenes. <i>Journal of the American Chemical Society</i> , 1991, 113, 3096-3106.	6.6	32
100	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. <i>Brain Research</i> , 1998, 787, 15-18.	1.1	32
101	Copper(I) catalysis of olefin photoreactions. 10. Synthesis of multicyclic carbon networks by photobicyclization. <i>Journal of Organic Chemistry</i> , 1982, 47, 829-836.	1.7	31
102	Preparative Singlet Oxygenation of Linoleate Provides Doubly Allylic Dihydroperoxides: $\hat{A}$ Putative Intermediates in the Generation of Biologically Active Aldehydes in Vivo. <i>Journal of Organic Chemistry</i> , 2006, 71, 5607-5615.	1.7	31
103	Phospholipid Hydroxyalkenals, a Subset of Recently Discovered Endogenous CD36 Ligands, Spontaneously Generate Novel Furan-containing Phospholipids Lacking CD36 Binding Activity in Vivo. <i>Journal of Biological Chemistry</i> , 2006, 281, 31298-31308.	1.6	31
104	Serum Vitamin E and Oxidative Protein Modification in Hemodialysis: A Randomized Clinical Trial. <i>American Journal of Kidney Diseases</i> , 2007, 50, 305-313.	2.1	31
105	Prostaglandin endoperoxides. 11. Mechanism of amine-catalyzed fragmentation of 2,3-dioxabicyclo[2.2.1]heptane. <i>Journal of the American Chemical Society</i> , 1980, 102, 2501-2503.	6.6	30
106	Distinguishing levuglandins produced through the cyclooxygenase and isoprostane pathways. <i>Chemistry and Physics of Lipids</i> , 2005, 134, 1-20.	1.5	30
107	Synthesis and structural characterization of carboxyethylpyrrole-modified proteins: mediators of age-related macular degeneration. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7548-7561.	1.4	30
108	Proteomic and Genomic Biomarkers for Age-Related Macular Degeneration. <i>Advances in Experimental Medicine and Biology</i> , 2010, 664, 411-417.	0.8	30

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109	Rhodium(I) catalysis in olefin photoreactions. <i>Journal of the American Chemical Society</i> , 1975, 97, 6214-6221.	6.6	29
110	Isolevuglandin-Modified Proteins, Including Elevated Levels of Inactive Calpain-1, Accumulate in Glaucomatous Trabecular Meshwork. <i>Biochemistry</i> , 2008, 47, 817-825.	1.2	29
111	.beta.-Alkylalkanedioic acids from cycloalkenones via Michael alkylation-methoxycarbonylation. <i>Journal of Organic Chemistry</i> , 1975, 40, 1488-1492.	1.7	27
112	Copper(I) catalysis of olefin photoreactions. 14. A copper(I)-catalyzed photobicyclization route to exo-1,2-polymethylene- and 7-hydroxynorbornanes. Nonclassical 2-bicyclo[3.2.0]heptyl and 7-norbornyl carbenium ion intermediates. <i>Journal of Organic Chemistry</i> , 1986, 51, 2556-2562.	1.7	26
113	Total synthesis of halichondrins: Enantioselective construction of a homochiral tetracyclic KLMN-ring intermediate from D-mannitol. <i>Tetrahedron Letters</i> , 1993, 34, 3247-3250.	0.7	26
114	Total Synthesis of $\hat{1}^3$ -Hydroxy- $\hat{1}^2$ -Unsaturated Aldehydic Esters of Cholesterol and 2-Lysophosphatidylcholine. <i>Journal of Organic Chemistry</i> , 1998, 63, 7789-7794.	1.7	26
115	Detection and Biological Activities of Carboxyethylpyrrole Ethanolamine Phospholipids (CEP-EPs). <i>Chemical Research in Toxicology</i> , 2014, 27, 2015-2022.	1.7	26
116	The Oxidative Stress Product Carboxyethylpyrrole Potentiates TLR2/TLR1 Inflammatory Signaling in Macrophages. <i>PLoS ONE</i> , 2014, 9, e106421.	1.1	26
117	Copper(I) triflate: A superior catalyst for olefin photodimerization. <i>Tetrahedron Letters</i> , 1973, 14, 2529-2532.	0.7	25
118	Di-tert-butylmethylsilyl (DTBMS) trifluoromethanesulfonate. Preparation and synthetic applications of DTBMS esters and enol ethers. <i>Tetrahedron Letters</i> , 1986, 27, 671-674.	0.7	25
119	The total synthesis of robustadial A and B dimethyl ethers. <i>Journal of the American Chemical Society</i> , 1988, 110, 5213-5214.	6.6	25
120	Pretreatment with Pyridoxamine Mitigates Isolevuglandin-associated Retinal Effects in Mice Exposed to Bright Light. <i>Journal of Biological Chemistry</i> , 2013, 288, 29267-29280.	1.6	25
121	Copper(I) catalysis of olefin photoreactions. 11. Synthesis of multicyclic furans and butyrolactones via photobicyclization of homoallyl vinyl and diallyl ethers. <i>Journal of the American Chemical Society</i> , 1982, 104, 6841-6842.	6.6	24
122	A short synthesis of the antimitotic allylic diepoxide functional array of spatol. <i>Tetrahedron Letters</i> , 1994, 35, 517-520.	0.7	24
123	Isolevuglandin-protein Adducts in Oxidized Low Density Lipoprotein and Human Plasma A Strong Connection with Cardiovascular Disease. <i>Trends in Cardiovascular Medicine</i> , 2000, 10, 53-59.	2.3	24
124	Low-Density Lipoprotein Has an Enormous Capacity To Bind (<i>E</i>)-4-Hydroxynon-2-enal (HNE): Detection and Characterization of Lysyl and Histidyl Adducts Containing Multiple Molecules of HNE. <i>Chemical Research in Toxicology</i> , 2008, 21, 1384-1395.	1.7	24
125	Isolevuglandins and Mitochondrial Enzymes in the Retina. <i>Journal of Biological Chemistry</i> , 2011, 286, 20413-20422.	1.6	24
126	Receptor-Mediated Mechanism Controlling Tissue Levels of Bioactive Lipid Oxidation Products. <i>Circulation Research</i> , 2015, 117, 321-332.	2.0	24



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127	A synthesis of mixed dialkylperoxides via reaction of an alkylhydroperoxide with alkyl trifluoromethane sulfonates. <i>Journal of Organic Chemistry</i> , 1976, 41, 3983-3987.	1.7	23
128	Total Synthesis of Iso[7]-Levuglandin D2. <i>Journal of Organic Chemistry</i> , 1999, 64, 1218-1224.	1.7	23
129	Iso[7]LGD2 $\hat{\sim}$ Protein Adducts Are Abundant in Vivo and Free Radical-Induced Oxidation of an Arachidonyl Phospholipid Generates This D Series Isolevuglandin in Vitro. <i>Chemical Research in Toxicology</i> , 2004, 17, 613-622.	1.7	23
130	Isolevuglandins, Oxidatively Truncated Phospholipids, and Atherosclerosis. <i>Annals of the New York Academy of Sciences</i> , 2005, 1043, 327-342.	1.8	23
131	Peroxide transfer from tri-n-butyltin peroxides. A mild new synthesis of dialkyl peroxides. <i>Journal of the American Chemical Society</i> , 1977, 99, 3500-3501.	6.6	22
132	Prostaglandin endoperoxides. 12. Carboxylate catalysis and the effects of proton donors on the decomposition of 2,3-dioxabicyclo[2.2.1]heptane. <i>Journal of the American Chemical Society</i> , 1982, 104, 3498-3503.	6.6	22
133	Enecarboxylation with diethyl oxomalonate as an enophilic equivalent of carbon dioxide. A synthesis of allylcarboxylic acids. <i>Journal of the American Chemical Society</i> , 1984, 106, 3797-3802.	6.6	22
134	Selectivity and catalysis in ene reactions of diethyl oxomalonate. <i>Journal of Organic Chemistry</i> , 1984, 49, 2446-2454.	1.7	22
135	Copper(I) catalysis of olefin photoreactions. 13. Synthesis of bicyclic vinylcyclobutanes via copper(I)-catalyzed intramolecular 2.pi. + 2.pi. photocycloadditions of conjugated dienes to alkenes. <i>Journal of Organic Chemistry</i> , 1984, 49, 4322-4324.	1.7	22
136	Oxidative bisdecarboxylation of $\hat{\pm}$ -alkoxymalonic acids with cerium(IV). <i>Tetrahedron Letters</i> , 1988, 29, 769-772.	0.7	22
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