

Lawrence J Marnett

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

228
papers

15,178
citations

65
h-index

115
g-index

242
ext. papers

16,436
ext. citations

7.1
avg, IF

6.8
L-index

#	Paper	IF	Citations
228	Naproxen chemoprevention promotes immune activation in Lynch syndrome colorectal mucosa. <i>Gut</i> , 2021 , 70, 555-566	19.2	10
227	In vivo endocannabinoid dynamics at the timescale of physiological and pathological neural activity. <i>Neuron</i> , 2021 , 109, 2398-2403.e4	13.9	9
226	Targeting diacylglycerol lipase reduces alcohol consumption in preclinical models. <i>Journal of Clinical Investigation</i> , 2021 ,	15.9	2
225	Structural and Chemical Biology of the Interaction of Cyclooxygenase with Substrates and Non-Steroidal Anti-Inflammatory Drugs. <i>Chemical Reviews</i> , 2020 , 120, 7592-7641	68.1	23
224	Molecular Imaging of Inflammation in Osteoarthritis Using a Water-Soluble Fluorocoxib. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 1875-1880	4.3	1
223	Harmaline Analogs as Substrate-Selective Cyclooxygenase-2 Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 1881-1885	4.3	8
222	Targeted Detection of Cyclooxygenase-1 in Ovarian Cancer. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 1837-1842	4.3	5
221	Discovery of Furanone-Based Radiopharmaceuticals for Diagnostic Targeting of COX-1 in Ovarian Cancer. <i>ACS Omega</i> , 2019 , 4, 9251-9261	3.9	7
220	Fluorescent indomethacin-dansyl conjugates utilize the membrane-binding domain of cyclooxygenase-2 to block the opening to the active site. <i>Journal of Biological Chemistry</i> , 2019 , 294, 8690-8698	5.4	12
219	IRE1/XBP1 signaling in leukocytes controls prostaglandin biosynthesis and pain. <i>Science</i> , 2019 , 365,	33.3	46
218	Adventures with Bruce Ames and the Ames test. <i>Mutation Research - Genetic Toxicology and Environmental Mutagenesis</i> , 2019 , 846, 403070	3	2
217	Signal integration and information transfer in an allosterically regulated network. <i>Npj Systems Biology and Applications</i> , 2019 , 5, 23	5	5
216	Detection of tyrosine kinase inhibitors-induced COX-2 expression in bladder cancer by fluorocoxib A. <i>Oncotarget</i> , 2019 , 10, 5168-5180	3.3	3
215	Aspects of Prostaglandin Glycerol Ester Biology. <i>Advances in Experimental Medicine and Biology</i> , 2019 , 1161, 77-88	3.6	5
214	Detection of carcinogen-induced bladder cancer by fluorocoxib A. <i>BMC Cancer</i> , 2019 , 19, 1152	4.8	5
213	Lysophospholipases cooperate to mediate lipid homeostasis and lysophospholipid signaling. <i>Journal of Lipid Research</i> , 2019 , 60, 360-374	6.3	13
212	Oxidative stress increases M1dG, a major peroxidation-derived DNA adduct, in mitochondrial DNA. <i>Nucleic Acids Research</i> , 2018 , 46, 3458-3467	20.1	17

211	Dual cyclooxygenase-fatty acid amide hydrolase inhibitor exploits novel binding interactions in the cyclooxygenase active site. <i>Journal of Biological Chemistry</i> , 2018 , 293, 3028-3038	5.4	9
210	Detection of Cyclooxygenase-2-Derived Oxygenation Products of the Endogenous Cannabinoid 2-Arachidonoylglycerol in Mouse Brain. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 1552-1559	5.7	16
209	Therapeutic endocannabinoid augmentation for mood and anxiety disorders: comparative profiling of FAAH, MAGL and dual inhibitors. <i>Translational Psychiatry</i> , 2018 , 8, 92	8.6	48
208	Differential cyclooxygenase expression levels and survival associations in type I and type II ovarian tumors. <i>Journal of Ovarian Research</i> , 2018 , 11, 17	5.5	14
207	Inhibition of Diacylglycerol Lipase Impairs Fear Extinction in Mice. <i>Frontiers in Neuroscience</i> , 2018 , 12, 479	5.1	20
206	(R)- N-(1-Methyl-2-hydroxyethyl)-13-(S)-methyl-arachidonamide (AMG315): A Novel Chiral Potent Endocannabinoid Ligand with Stability to Metabolizing Enzymes. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 8639-8657	8.3	9
205	Methylglyoxal-derived posttranslational arginine modifications are abundant histone marks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 9228-9233	11.5	74
204	Accelerating Precision Drug Development and Drug Repurposing by Leveraging Human Genetics. <i>Assay and Drug Development Technologies</i> , 2017 , 15, 113-119	2.1	23
203	Protein Modification by Endogenously Generated Lipid Electrophiles: Mitochondria as the Source and Target. <i>ACS Chemical Biology</i> , 2017 , 12, 2062-2069	4.9	24
202	Functional Redundancy Between Canonical Endocannabinoid Signaling Systems in the Modulation of Anxiety. <i>Biological Psychiatry</i> , 2017 , 82, 488-499	7.9	56
201	Histone Adduction and Its Functional Impact on Epigenetics. <i>Chemical Research in Toxicology</i> , 2017 , 30, 376-387	4	13
200	Quantitative Analysis and Discovery of Lysine and Arginine Modifications. <i>Analytical Chemistry</i> , 2017 , 89, 1299-1306	7.8	9
199	Electrophilic Modification of PKM2 by 4-Hydroxynonenal and 4-Oxononenal Results in Protein Cross-Linking and Kinase Inhibition. <i>Chemical Research in Toxicology</i> , 2017 , 30, 635-641	4	16
198	Prostaglandin E glyceryl ester is an endogenous agonist of the nucleotide receptor P2Y. <i>Scientific Reports</i> , 2017 , 7, 2380	4.9	23
197	Antitumor Activity of Cytotoxic Cyclooxygenase-2 Inhibitors. <i>ACS Chemical Biology</i> , 2016 , 11, 3052-3060	4.9	13
196	Antipsychotic-like Effects of M4 Positive Allosteric Modulators Are Mediated by CB2 Receptor-Dependent Inhibition of Dopamine Release. <i>Neuron</i> , 2016 , 91, 1244-1252	13.9	74
195	Inhibition of the Biosynthesis of Prostaglandin E2 By Low-Dose Aspirin: Implications for Adenocarcinoma Metastasis. <i>Cancer Prevention Research</i> , 2016 , 9, 855-865	3.2	28
194	Fluorocoxib A enables targeted detection of cyclooxygenase-2 in laser-induced choroidal neovascularization. <i>Journal of Biomedical Optics</i> , 2016 , 21, 90503	3.5	0

193	In Vivo Imaging of Retinal Hypoxia in a Model of Oxygen-Induced Retinopathy. <i>Scientific Reports</i> , 2016 , 6, 31011	4.9	19
192	Accumulation of isolevuglandin-modified protein in normal and fibrotic lung. <i>Scientific Reports</i> , 2016 , 6, 24919	4.9	19
191	nido-Dicarbaborate Induces Potent and Selective Inhibition of Cyclooxygenase-2. <i>ChemMedChem</i> , 2016 , 11, 175-8	3.7	41
190	Assay of Endocannabinoid Oxidation by Cyclooxygenase-2. <i>Methods in Molecular Biology</i> , 2016 , 1412, 205-15	1.4	6
189	Conservative Secondary Shell Substitution In Cyclooxygenase-2 Reduces Inhibition by Indomethacin Amides and Esters via Altered Enzyme Dynamics. <i>Biochemistry</i> , 2016 , 55, 348-59	3.2	6
188	Multitargeting of selected prostanoid receptors provides agents with enhanced anti-inflammatory activity in macrophages. <i>FASEB Journal</i> , 2016 , 30, 394-404	0.9	12
187	Fluorocoxib A loaded nanoparticles enable targeted visualization of cyclooxygenase-2 in inflammation and cancer. <i>Biomaterials</i> , 2016 , 92, 71-80	15.6	30
186	Covalent Modification of CDK2 by 4-Hydroxynonenal as a Mechanism of Inhibition of Cell Cycle Progression. <i>Chemical Research in Toxicology</i> , 2016 , 29, 323-32	4	15
185	Cyclooxygenase-2 inhibition reduces stress-induced affective pathology. <i>ELife</i> , 2016 , 5,	8.9	34
184	Cox-2-derived PGE2 induces Id1-dependent radiation resistance and self-renewal in experimental glioblastoma. <i>Neuro-Oncology</i> , 2016 , 18, 1379-89	1	44
183	Human Platelets Utilize Cyclooxygenase-1 to Generate Dioxolane A3, a Neutrophil-activating Eicosanoid. <i>Journal of Biological Chemistry</i> , 2016 , 291, 13448-64	5.4	13
182	Discovery of (R)-2-(6-Methoxynaphthalen-2-yl)butanoic Acid as a Potent and Selective Aldo-keto Reductase 1C3 Inhibitor. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 7431-44	8.3	25
181	Detection of non-melanoma skin cancer by in vivo fluorescence imaging with fluorocoxib A. <i>Neoplasia</i> , 2015 , 17, 201-7	6.4	23
180	Competition and allosteric govern substrate selectivity of cyclooxygenase-2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 12366-71	11.5	20
179	Oxidative Metabolites of Endocannabinoids Formed by Cyclooxygenase-2 2015 , 49-65		
178	Conjugation of cisplatin analogues and cyclooxygenase inhibitors to overcome cisplatin resistance. <i>ChemMedChem</i> , 2015 , 10, 183-92	3.7	75
177	Site-specific, intramolecular cross-linking of Pin1 active site residues by the lipid electrophile 4-oxo-2-nonenal. <i>Chemical Research in Toxicology</i> , 2015 , 28, 817-27	4	15
176	Action at a distance: mutations of peripheral residues transform rapid reversible inhibitors to slow, tight binders of cyclooxygenase-2. <i>Journal of Biological Chemistry</i> , 2015 , 290, 12793-803	5.4	21

175	Targeted imaging of cancer by fluorocoxib C, a near-infrared cyclooxygenase-2 probe. <i>Journal of Biomedical Optics</i> , 2015 , 20, 50502	3.5	10
174	Functional Implications of Biochemical and Molecular Characteristics of Donation After Circulatory Death Livers. <i>Transplantation Direct</i> , 2015 , 1, e18	2.3	1
173	Next-generation sequencing reveals the biological significance of the N(2),3-ethenoguanine lesion in vivo. <i>Nucleic Acids Research</i> , 2015 , 43, 5489-500	20.1	28
172	Nuclear Oxidation of a Major Peroxidation DNA Adduct, M1dG, in the Genome. <i>Chemical Research in Toxicology</i> , 2015 , 28, 2334-42	4	13
171	Applications of azo-based probes for imaging retinal hypoxia. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 445-9	4.3	52
170	13-Methylarachidonic acid is a positive allosteric modulator of endocannabinoid oxygenation by cyclooxygenase. <i>Journal of Biological Chemistry</i> , 2015 , 290, 7897-909	5.4	20
169	Fluorescent Probes of the Apoptolidins and their Utility in Cellular Localization Studies. <i>Angewandte Chemie</i> , 2015 , 127, 975-978	3.6	5
168	Aberrant over-expression of COX-1 intersects multiple pro-tumorigenic pathways in high-grade serous ovarian cancer. <i>Oncotarget</i> , 2015 , 6, 21353-68	3.3	31
167	Oxicams bind in a novel mode to the cyclooxygenase active site via a two-water-mediated H-bonding Network. <i>Journal of Biological Chemistry</i> , 2014 , 289, 6799-6808	5.4	74
166	Design of Fluorine-Containing 3,4-Diarylfuran-2(5H)-ones as Selective COX-1 Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 1254-8	4.3	29
165	Structure and Stereochemical Determination of Hypogeamicins from a Cave-Derived Actinomycete. <i>Journal of Natural Products</i> , 2014 , 77, 1759-63	4.9	31
164	Alkynyl lipid surrogates for polyunsaturated fatty acids: free radical and enzymatic oxidations. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11529-39	16.4	19
163	Conjugates of cisplatin and cyclooxygenase inhibitors as potent antitumor agents overcoming cisplatin resistance. <i>ChemMedChem</i> , 2014 , 9, 1150-3	3.7	48
162	Stable histone adduction by 4-oxo-2-nonenal: a potential link between oxidative stress and epigenetics. <i>Journal of the American Chemical Society</i> , 2014 , 136, 11864-6	16.4	87
161	Trifluoromethyl fluorocoxib a detects cyclooxygenase-2 expression in inflammatory tissues and human tumor xenografts. <i>ACS Medicinal Chemistry Letters</i> , 2014 , 5, 446-50	4.3	21
160	Substrate-selective COX-2 inhibition as a novel strategy for therapeutic endocannabinoid augmentation. <i>Trends in Pharmacological Sciences</i> , 2014 , 35, 358-67	13.2	76
159	PET radiotracer [¹⁸ F]-P6 selectively targeting COX-1 as a novel biomarker in ovarian cancer: preliminary investigation. <i>European Journal of Medicinal Chemistry</i> , 2014 , 80, 562-568	6.8	24
158	Identification of the major prostaglandin glycerol ester hydrolase in human cancer cells. <i>Journal of Biological Chemistry</i> , 2014 , 289, 33741-53	5.4	22

157	Genetic disruption of 2-arachidonoylglycerol synthesis reveals a key role for endocannabinoid signaling in anxiety modulation. <i>Cell Reports</i> , 2014 , 9, 1644-1653	10.6	100
156	Oxicams, a class of nonsteroidal anti-inflammatory drugs and beyond. <i>IUBMB Life</i> , 2014 , 66, 803-11	4.7	59
155	Alkylation damage by lipid electrophiles targets functional protein systems. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 849-59	7.6	67
154	GRASr2 evaluation of aliphatic acyclic and alicyclic terpenoid tertiary alcohols and structurally related substances used as flavoring ingredients. <i>Journal of Food Science</i> , 2014 , 79, R428-41	3.4	13
153	Substrate-selective COX-2 inhibition decreases anxiety via endocannabinoid activation. <i>Nature Neuroscience</i> , 2013 , 16, 1291-8	25.5	93
152	Effect of zileuton and celecoxib on urinary LTE4 and PGE-M levels in smokers. <i>Cancer Prevention Research</i> , 2013 , 6, 646-55	3.2	14
151	RNA-seq data analysis at the gene and CDS levels provides a comprehensive view of transcriptome responses induced by 4-hydroxynonenal. <i>Molecular BioSystems</i> , 2013 , 9, 3036-46		10
150	2-Carbaborane-3-phenyl-1H-indoles--synthesis via McMurry reaction and cyclooxygenase (COX) inhibition activity. <i>ChemMedChem</i> , 2013 , 8, 329-35	3.7	20
149	Exploring the molecular determinants of substrate-selective inhibition of cyclooxygenase-2 by lumiracoxib. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013 , 23, 5860-4	2.9	12
148	The 2-Trifluoromethyl Analogue of Indomethacin Is a Potent and Selective COX-2 Inhibitor. <i>ACS Medicinal Chemistry Letters</i> , 2013 , 4, 486-490	4.3	48
147	Design, synthesis, and structure-activity relationship studies of fluorescent inhibitors of cyclooxygenase-2 as targeted optical imaging agents. <i>Bioconjugate Chemistry</i> , 2013 , 24, 712-23	6.3	57
146	Development of potent and selective indomethacin analogues for the inhibition of AKR1C3 (Type 5 17 β -hydroxysteroid dehydrogenase/prostaglandin F synthase) in castrate-resistant prostate cancer. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 2429-46	8.3	65
145	Peptidyl-prolyl cis/trans-isomerase A1 (Pin1) is a target for modification by lipid electrophiles. <i>Chemical Research in Toxicology</i> , 2013 , 26, 270-9	4	25
144	Cobalt carbonyl complexes as probes for alkyne-tagged lipids. <i>Journal of Lipid Research</i> , 2013 , 54, 859-868	6.3	10
143	Molecular imaging of cyclooxygenase-2 in canine transitional cell carcinomas in vitro and in vivo. <i>Cancer Prevention Research</i> , 2013 , 6, 466-76	3.2	30
142	Selection of monoclonal antibodies against 6-oxo-M(1)dG and their use in an LC-MS/MS assay for the presence of 6-oxo-M(1)dG in vivo. <i>Chemical Research in Toxicology</i> , 2012 , 25, 454-61	4	9
141	Protein modification by oxidized phospholipids and hydrolytically released lipid electrophiles: Investigating cellular responses. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012 , 1818, 2424-35	3.8	44
140	Ortho-carbaborane derivatives of indomethacin as cyclooxygenase (COX)-2 selective inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2012 , 20, 4830-7	3.4	37

139	Straightforward protocol for the efficient synthesis of varied N(1)-acylated (aza)indole 2-/3-alkanoic acids and esters: optimization and scale-up. <i>Tetrahedron</i> , 2012 , 68, 10049-10058	2.4	9
138	Cyclooxygenase-1-selective inhibitors based on the (E)-2-Des-methyl-sulindac sulfide scaffold. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 2287-300	8.3	49
137	Substrate-Selective Inhibition of Cyclooxygenase-2: Development and Evaluation of Achiral Profen Probes. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 759-763	4.3	30
136	Inflammation and cancer: chemical approaches to mechanisms, imaging, and treatment. <i>Journal of Organic Chemistry</i> , 2012 , 77, 5224-38	4.2	43
135	Prostaglandin H synthase-2-catalyzed oxygenation of 2-arachidonoylglycerol is more sensitive to peroxide tone than oxygenation of arachidonic acid. <i>Journal of Biological Chemistry</i> , 2012 , 287, 37383-94	5.4	11
134	Single-dose safety and pharmacokinetic evaluation of fluorocoxib A: pilot study of novel cyclooxygenase-2-targeted optical imaging agent in a canine model. <i>Journal of Biomedical Optics</i> , 2012 , 17, 116002	3.5	9
133	(R)-Profens are substrate-selective inhibitors of endocannabinoid oxygenation by COX-2. <i>Nature Chemical Biology</i> , 2011 , 7, 803-9	11.7	134
132	[¹ I]-Celecoxib Analogues as SPECT Tracers of Cyclooxygenase-2 in Inflammation. <i>ACS Medicinal Chemistry Letters</i> , 2011 , 2, 160-164	4.3	36
131	Relating protein adduction to gene expression changes: a systems approach. <i>Molecular BioSystems</i> , 2011 , 7, 2118-27		25
130	Fluorinated COX-2 inhibitors as agents in PET imaging of inflammation and cancer. <i>Cancer Prevention Research</i> , 2011 , 4, 1536-45	3.2	61
129	Cannabinoids, endocannabinoids, and cancer. <i>Cancer and Metastasis Reviews</i> , 2011 , 30, 599-612	9.6	100
128	High-throughput quantification of bioactive lipids by MALDI mass spectrometry: application to prostaglandins. <i>Analytical Chemistry</i> , 2011 , 83, 6683-8	7.8	18
127	Endocannabinoid oxygenation by cyclooxygenases, lipoxygenases, and cytochromes P450: cross-talk between the eicosanoid and endocannabinoid signaling pathways. <i>Chemical Reviews</i> , 2011 , 111, 5899-921	68.1	222
126	Protein-selective capture to analyze electrophile adduction of hsp90 by 4-hydroxynonenal. <i>Chemical Research in Toxicology</i> , 2011 , 24, 1275-82	4	33
125	Structure-activity analysis of diffusible lipid electrophiles associated with phospholipid peroxidation: 4-hydroxynonenal and 4-oxononenal analogues. <i>Chemical Research in Toxicology</i> , 2011 , 24, 357-70	4	23
124	Synthesis and evaluation of carbaborane derivatives of indomethacin as cyclooxygenase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2011 , 19, 3242-8	3.4	33
123	Disruption of mitochondrial DNA polymerase γ replication by the aldehyde adduct of DNA, M1dG. <i>FASEB Journal</i> , 2011 , 25, 880.1	0.9	
122	Capture and release of alkyne-derivatized glycerophospholipids using cobalt chemistry. <i>Nature Chemical Biology</i> , 2010 , 6, 205-207	11.7	36

121	Selective visualization of cyclooxygenase-2 in inflammation and cancer by targeted fluorescent imaging agents. <i>Cancer Research</i> , 2010 , 70, 3618-27	10.1	134
120	Molecular basis for cyclooxygenase inhibition by the non-steroidal anti-inflammatory drug naproxen. <i>Journal of Biological Chemistry</i> , 2010 , 285, 34950-9	5.4	142
119	In vitro bypass of the major malondialdehyde- and base propenal-derived DNA adduct by human Y-family DNA polymerases η and Rev1. <i>Biochemistry</i> , 2010 , 49, 8415-24	3.2	21
118	Systems analysis of protein modification and cellular responses induced by electrophile stress. <i>Accounts of Chemical Research</i> , 2010 , 43, 673-83	24.3	181
117	Structural determinants for calcium mobilization by prostaglandin E2 and prostaglandin F2alpha glyceryl esters in RAW 264.7 cells and H1819 cells. <i>Prostaglandins and Other Lipid Mediators</i> , 2010 , 92, 19-24	3.7	19
116	Selective Modulation of DNA Polymerase Activity by Fixed-Conformation Nucleoside Analogues. <i>Angewandte Chemie</i> , 2010 , 122, 7643-7647	3.6	
115	Podophyllotoxin analogues active versus <i>Trypanosoma brucei</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 1787-91	2.9	6
114	HSF1-mediated BAG3 expression attenuates apoptosis in 4-hydroxynonenal-treated colon cancer cells via stabilization of anti-apoptotic Bcl-2 proteins. <i>Journal of Biological Chemistry</i> , 2009 , 284, 9176-83	5.4	124
113	Mechanisms of cyclooxygenase-2 inhibition and cardiovascular side effects: the plot thickens. <i>Cancer Prevention Research</i> , 2009 , 2, 288-90	3.2	20
112	Synthesis and evaluation of [¹²³ I]-indomethacin derivatives as COX-2 targeted imaging agents. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2009 , 52, 387-393	1.9	10
111	The influence of double bond geometry in the inhibition of cyclooxygenases by sulindac derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 3271-4	2.9	21
110	Oxidation and glycolytic cleavage of etheno and propano DNA base adducts. <i>Biochemistry</i> , 2009 , 48, 800-9	3.2	17
109	Translesion DNA synthesis by human DNA polymerase η on templates containing a pyrimidopurinone deoxyguanosine adduct, 3-(2-deoxy-beta-d-erythro-pentofuranosyl)pyrimido-[1,2-a]purin-10(3H)-one. <i>Biochemistry</i> , 2009 , 48, 471-80	3.2	11
108	Cyclooxygenases: structural and functional insights. <i>Journal of Lipid Research</i> , 2009 , 50 Suppl, S29-34	6.3	394
107	The COXIB experience: a look in the rearview mirror. <i>Annual Review of Pharmacology and Toxicology</i> , 2009 , 49, 265-90	17.9	178
106	Differential sensitivity and mechanism of inhibition of COX-2 oxygenation of arachidonic acid and 2-arachidonoylglycerol by ibuprofen and mefenamic acid. <i>Biochemistry</i> , 2009 , 48, 7353-5	3.2	104
105	Sulindac derivatives that activate the peroxisome proliferator-activated receptor gamma but lack cyclooxygenase inhibition. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 4911-9	8.3	26
104	Prostaglandin E2 inhibits tumor necrosis factor-alpha RNA through PKA type I. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 366, 104-9	3.4	29

103	Identification of protein targets of 4-hydroxynonenal using click chemistry for ex vivo biotinylation of azido and alkynyl derivatives. <i>Chemical Research in Toxicology</i> , 2008 , 21, 432-44	4	165
102	Monitoring in vivo metabolism and elimination of the endogenous DNA adduct, M1dG {3-(2-deoxy-beta-D-erythro-pentofuranosyl)pyrimido[1,2-alpha]purin-10(3H)-one}, by accelerator mass spectrometry. <i>Chemical Research in Toxicology</i> , 2008 , 21, 1290-4	4	18
101	Non-redundant functions of cyclooxygenases: oxygenation of endocannabinoids. <i>Journal of Biological Chemistry</i> , 2008 , 283, 8065-9	5.4	88
100	Synthesis of 5- and 6-carboxy-X-rhodamines. <i>Organic Letters</i> , 2008 , 10, 4799-801	6.2	26
99	Hydrolysis of prostaglandin glycerol esters by the endocannabinoid-hydrolyzing enzymes, monoacylglycerol lipase and fatty acid amide hydrolase. <i>Biochemistry</i> , 2007 , 46, 9578-85	3.2	28
98	Desmethyl derivatives of indomethacin and sulindac as probes for cyclooxygenase-dependent biology. <i>ACS Chemical Biology</i> , 2007 , 2, 479-83	4.9	20
97	Molecular determinants for the selective inhibition of cyclooxygenase-2 by lumiracoxib. <i>Journal of Biological Chemistry</i> , 2007 , 282, 16379-90	5.4	36
96	Metabolism in vitro and in vivo of the DNA base adduct, M1G. <i>Chemical Research in Toxicology</i> , 2007 , 20, 550-7	4	26
95	Heat shock factor 1 attenuates 4-Hydroxynonenal-mediated apoptosis: critical role for heat shock protein 70 induction and stabilization of Bcl-XL. <i>Journal of Biological Chemistry</i> , 2007 , 282, 33412-33420	5.4	86
94	Metabolism and elimination of the endogenous DNA adduct, 3-(2-deoxy-beta-D-erythro-pentofuranosyl)-pyrimido[1,2-alpha]purine-10(3H)-one, in the rat. <i>Journal of Biological Chemistry</i> , 2007 , 282, 36257-64	5.4	13
93	Structural basis of enantioselective inhibition of cyclooxygenase-1 by S-alpha-substituted indomethacin ethanolamides. <i>Journal of Biological Chemistry</i> , 2007 , 282, 28096-105	5.4	70
92	Oxidative metabolism of lipoamino acids and vanilloids by lipoxygenases and cyclooxygenases. <i>Archives of Biochemistry and Biophysics</i> , 2007 , 464, 260-8	4.1	29
91	Structural and functional basis of cyclooxygenase inhibition. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 1425-41	8.3	333
90	In vivo oxidative metabolism of a major peroxidation-derived DNA adduct, M1dG. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 6665-9	11.5	50
89	Lipid profiling reveals arachidonate deficiency in RAW264.7 cells: Structural and functional implications. <i>Biochemistry</i> , 2006 , 45, 14795-808	3.2	59
88	Endogenous reactive intermediates as modulators of cell signaling and cell death. <i>Chemical Research in Toxicology</i> , 2006 , 19, 173-94	4	236
87	Nitric oxide deficiency promotes vascular side effects of cyclooxygenase inhibitors. <i>Blood</i> , 2006 , 108, 4059-62	2.2	26
86	Zymosan-induced glycerylprostaglandin and prostaglandin synthesis in resident peritoneal macrophages: roles of cyclo-oxygenase-1 and -2. <i>Biochemical Journal</i> , 2006 , 399, 91-9	3.8	25

85	Alterations in gene expression induced by the lipid peroxidation product, 4-hydroxy-2-nonenal. <i>Chemical Research in Toxicology</i> , 2005 , 18, 1642-53	4	113
84	The Impact of Electronic Publication. <i>Chemical Research in Toxicology</i> , 2005 , 18, 1-2	4	1
83	Structural and functional differences between cyclooxygenases: fatty acid oxygenases with a critical role in cell signaling. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 338, 34-44	3-4	42
82	Indolyl esters and amides related to indomethacin are selective COX-2 inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 6810-22	3-4	68
81	Simultaneous analysis of prostaglandin glyceryl esters and prostaglandins by electrospray tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2005 , 343, 203-11	3-1	38
80	RAW264.7 cells lack prostaglandin-dependent autoregulation of tumor necrosis factor-alpha secretion. <i>Journal of Lipid Research</i> , 2005 , 46, 1027-37	6-3	35
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