Carol A Rouzer

List of Publications by Year
in descending order

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25 papers	1,922 citations	394421 19 h-index	580821 25 g-index
25 all docs	25 docs citations	25 times ranked	2602 citing authors

#	Article	IF	Citations
1	Site-Specific Synthesis of Oligonucleotides Containing 6-Oxo-M₁dG, the Genomic Metabolite of M₁dG, and Liquid Chromatographyâ€“Tandem Mass Spectrometry Analysis of Its In Vitro Bypass by Human Polymerase Î¹. Chemical Research in Toxicology, 2021, 34, 2567-2578.	3.3	2
2	Structural and Chemical Biology of the Interaction of Cyclooxygenase with Substrates and Non-Steroidal Anti-Inflammatory Drugs. Chemical Reviews, 2020, 120, 7592-7641.	47.7	64
3	Fluorescent indomethacin-dansyl conjugates utilize the membrane-binding domain of cyclooxygenase-2 to block the opening to the active site. Journal of Biological Chemistry, 2019, 294, 8690-8698.	3.4	21
4	Lysophospholipases cooperate to mediate lipid homeostasis and lysophospholipid signaling. Journal of Lipid Research, 2019, 60, 360-374.	4.2	25
5	Aspects of Prostaglandin Glycerol Ester Biology. Advances in Experimental Medicine and Biology, 2019, 1161, 77-88.	1.6	12
6	Dual cyclooxygenaseâ€“fatty acid amide hydrolase inhibitor exploits novel binding interactions in the cyclooxygenase active site. Journal of Biological Chemistry, 2018, 293, 3028-3038.	3.4	10
7	Protein Modification by Endogenously Generated Lipid Electrophiles: Mitochondria as the Source and Target. ACS Chemical Biology, 2017, 12, 2062-2069.	3.4	30
8	Conservative Secondary Shell Substitution In Cyclooxygenase-2 Reduces Inhibition by Indomethacin Amides and Esters via Altered Enzyme Dynamics. Biochemistry, 2016, 55, 348-359.	2.5	6
9	13-Methylarachidonic Acid Is a Positive Allosteric Modulator of Endocannabinoid Oxygenation by Cyclooxygenase. Journal of Biological Chemistry, 2015, 290, 7897-7909.	3.4	25
10	Competition and allostery govern substrate selectivity of cyclooxygenase-2. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12366-12371.	7.1	24
11	Endocannabinoid Oxygenation by Cyclooxygenases, Lipoxygenases, and Cytochromes P450: Cross-Talk between the Eicosanoid and Endocannabinoid Signaling Pathways. Chemical Reviews, 2011, 111, 5899-5921.	47.7	257
12	Green Tea Gets Molecular. Cancer Prevention Research, 2011, 4, 1343-1345.	1.5	3
13	Cyclooxygenases: structural and functional insights. Journal of Lipid Research, 2009, 50, S29-S34.	4.2	485
14	Differential Sensitivity and Mechanism of Inhibition of COX-2 Oxygenation of Arachidonic Acid and 2-Arachidonoylglycerol by Ibuprofen and Mefenamic Acid. Biochemistry, 2009, 48, 7353-7355.	2.5	115
15	Non-redundant Functions of Cyclooxygenases: Oxygenation of Endocannabinoids. Journal of Biological Chemistry, 2008, 283, 8065-8069.	3.4	100
16	Lipid Profiling Reveals Glycerophospholipid Remodeling in Zymosan-Stimulated Macrophages. Biochemistry, 2007, 46, 6026-6042.	2.5	50
17	Lipid Profiling Reveals Arachidonate Deficiency in RAW264.7 Cells:Â Structural and Functional Implicationsâ€. Biochemistry, 2006, 45, 14795-14808.	2.5	74
18	Zymosan-induced glycerylprostaglandin and prostaglandin synthesis in resident peritoneal macrophages: roles of cyclo-oxygenase-1 and -2. Biochemical Journal, 2006, 399, 91-99.	3.7	26

#	Article	IF	Citations
19	RAW264.7 cells lack prostaglandin-dependent autoregulation of tumor necrosis factor-Î± secretion. Journal of Lipid Research, 2005, 46, 1027-1037.	4.2	37
20	Structural and functional differences between cyclooxygenases: Fatty acid oxygenases with a critical role in cell signaling. Biochemical and Biophysical Research Communications, 2005, 338, 34-44.	2.1	48
21	Cyclooxygenase-1-dependent Prostaglandin Synthesis Modulates Tumor Necrosis Factor-Î± Secretion in Lipopolysaccharide-challenged Murine Resident Peritoneal Macrophages. Journal of Biological Chemistry, 2004, 279, 34256-34268.	3.4	41
22	Kinetic and Thermodynamic Analysis of the Hydrolytic Ring-Opening of the Malondialdehydeâˆ’Deoxyguanosine Adduct, 3-(2â€˜-Deoxy-Î²-d-erythro-pentofuranosyl)-pyrimido[1,2-Î±]purin-10(3H)-one. Journal of the American Chemical Society, 2004, 126, 8237-8243.	13.7	39
23	Mechanism of Free Radical Oxygenation of Polyunsaturated Fatty Acids by Cyclooxygenases. Chemical Reviews, 2003, 103, 2239-2304.	47.7	229
24	Chemical stability of 2-arachidonylglycerol under biological conditions. Chemistry and Physics of Lipids, 2002, 119, 69-82.	3.2	87
25	Analysis of the Malondialdehydeâˆ’2â€˜- Deoxyguanosine Adduct Pyrimidopurinone in Human Leukocyte DNA by Gas Chromatography/Electron Capture/Negative Chemical Ionization/Mass Spectrometry. Chemical Research in Toxicology, 1997, 10, 181-188.	3.3	112