

Carol A Rouzer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/874228/publications.pdf>

Version: 2024-02-01

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	Cyclooxygenases: structural and functional insights. <i>Journal of Lipid Research</i> , 2009, 50, S29-S34.	4.2	485
2	Endocannabinoid Oxygenation by Cyclooxygenases, Lipoxygenases, and Cytochromes P450: Cross-Talk between the Eicosanoid and Endocannabinoid Signaling Pathways. <i>Chemical Reviews</i> , 2011, 111, 5899-5921.	47.7	257
3	Mechanism of Free Radical Oxygenation of Polyunsaturated Fatty Acids by Cyclooxygenases. <i>Chemical Reviews</i> , 2003, 103, 2239-2304.	47.7	229
4	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, 7353-7355.	2.5	115
5	Analysis of the Malondialdehyde-Deoxyguanosine Adduct Pyrimidopurinone in Human Leukocyte DNA by Gas Chromatography/Electron Capture/Negative Chemical Ionization/Mass Spectrometry. <i>Chemical Research in Toxicology</i> , 1997, 10, 181-188.	3.3	112
6	Non-redundant Functions of Cyclooxygenases: Oxygenation of Endocannabinoids. <i>Journal of Biological Chemistry</i> , 2008, 283, 8065-8069.	3.4	100
7	Chemical stability of 2-arachidonoylglycerol under biological conditions. <i>Chemistry and Physics of Lipids</i> , 2002, 119, 69-82.	3.2	87
8	Lipid Profiling Reveals Arachidonate Deficiency in RAW264.7 Cells: A Structural and Functional Implications. <i>Biochemistry</i> , 2006, 45, 14795-14808.	2.5	74
9	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.	47.7	64
10	Lipid Profiling Reveals Glycerophospholipid Remodeling in Zymosan-Stimulated Macrophages. <i>Biochemistry</i> , 2007, 46, 6026-6042.	2.5	50
11	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.	2.1	48
12	Cyclooxygenase-1-dependent Prostaglandin Synthesis Modulates Tumor Necrosis Factor- α Secretion in Lipopolysaccharide-challenged Murine Resident Peritoneal Macrophages. <i>Journal of Biological Chemistry</i> , 2004, 279, 34256-34268.	3.4	41
13	Kinetic and Thermodynamic Analysis of the Hydrolytic Ring-Opening of the Malondialdehyde-Deoxyguanosine Adduct, 3-(2-Deoxy- β -D-erythro-pentofuranosyl)-pyrimido[1,2- β]purin-10(3H)-one. <i>Journal of the American Chemical Society</i> , 2004, 126, 8237-8243.	13.7	39
14	RAW264.7 cells lack prostaglandin-dependent autoregulation of tumor necrosis factor- α secretion. <i>Journal of Lipid Research</i> , 2005, 46, 1027-1037.	4.2	37
15	Protein Modification by Endogenously Generated Lipid Electrophiles: Mitochondria as the Source and Target. <i>ACS Chemical Biology</i> , 2017, 12, 2062-2069.	3.4	30
16	Zymosan-induced glycerylprostaglandin and prostaglandin synthesis in resident peritoneal macrophages: roles of cyclo-oxygenase-1 and -2. <i>Biochemical Journal</i> , 2006, 399, 91-99.	3.7	26
17	13-Methylarachidonic Acid Is a Positive Allosteric Modulator of Endocannabinoid Oxygenation by Cyclooxygenase. <i>Journal of Biological Chemistry</i> , 2015, 290, 7897-7909.	3.4	25
18	Lysophospholipases cooperate to mediate lipid homeostasis and lysophospholipid signaling. <i>Journal of Lipid Research</i> , 2019, 60, 360-374.	4.2	25

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Aspects of Prostaglandin Glycerol Ester Biology. Advances in Experimental Medicine and Biology, 2019, 1161, 77-88.	1.6	12
22	Dual cyclooxygenase- and 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
23	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
24	Green Tea Gets Molecular. Cancer Prevention Research, 2011, 4, 1343-1345.	1.5	3
25	Site-Specific Synthesis of Oligonucleotides Containing 6-Oxo-M ₁ dG, the Genomic Metabolite of M ₁ dG, and Liquid Chromatography-Tandem Mass Spectrometry Analysis of Its In Vitro Bypass by Human Polymerase β . Chemical Research in Toxicology, 2021, 34, 2567-2578.	3.3	2