

Sushabhan Sadhukhan

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

1,285
citations

471509

17
h-index

526287

27
g-index

32
all docs

32
docs citations

32
times ranked

2264
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolomics-assisted proteomics identifies succinylation and SIRT5 as important regulators of cardiac function. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4320-4325.	7.1	263
2	Metabolic Characterization of a Sirt5 deficient mouse model. Scientific Reports, 2013, 3, 2806.	3.3	115
3	Plant-derived natural polyphenols as potential antiviral drugs against SARS-CoV-2 <i>via</i> RNA-dependent RNA polymerase (RdRp) inhibition: an <i>in-silico</i> analysis. Journal of Biomolecular Structure and Dynamics, 2021, 39, 6249-6264.	3.5	101
4	High-Resolution Metabolomics with Acyl-CoA Profiling Reveals Widespread Remodeling in Response to Diet*. Molecular and Cellular Proteomics, 2015, 14, 1489-1500.	3.8	95
5	SIRT7 Is an RNA-Activated Protein Lysine Deacylase. ACS Chemical Biology, 2017, 12, 300-310.	3.4	83
6	Emerging Roles of DHHC-mediated Protein S-palmitoylation in Physiological and Pathophysiological Context. European Journal of Cell Biology, 2018, 97, 319-338.	3.6	80
7	SIRT7 Is Activated by DNA and Deacetylates Histone H3 in the Chromatin Context. ACS Chemical Biology, 2016, 11, 742-747.	3.4	57
8	Catabolism of 4-Hydroxyacids and 4-Hydroxynonenal via 4-Hydroxy-4-phosphoacyl-CoAs. Journal of Biological Chemistry, 2009, 284, 33521-33534.	3.4	56
9	Metabolomics, Pathway Regulation, and Pathway Discovery. Journal of Biological Chemistry, 2011, 286, 23631-23635.	3.4	53
10	Isotopomer enrichment assay for very short chain fatty acids and its metabolic applications. Analytical Biochemistry, 2011, 410, 110-117.	2.4	49
11	Pharmacological and genetic perturbation establish SIRT5 as a promising target in breast cancer. Oncogene, 2021, 40, 1644-1658.	5.9	45
12	Direct Comparison of SIRT2 Inhibitors: Potency, Specificity, Activity-Dependent Inhibition, and On-Target Anticancer Activities. ChemMedChem, 2018, 13, 1890-1894.	3.2	38
13	An in-silico study on selected organosulfur compounds as potential drugs for SARS-CoV-2 infection via binding multiple drug targets. Chemical Physics Letters, 2021, 763, 138193.	2.6	32
14	Using Isotopic Tools to Dissect and Quantitate Parallel Metabolic Pathways. Journal of the American Chemical Society, 2010, 132, 6309-6311.	13.7	27
15	Chemico-biological aspects of γ -epigallocatechin-3-gallate (EGCG) to improve its stability, bioavailability and membrane permeability: Current status and future prospects. Critical Reviews in Food Science and Nutrition, 2023, 63, 10382-10411.	10.3	26
16	Lipase catalyzed synthesis of benzyl acetate in solvent-free medium using vinyl acetate as acyl donor. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4041-4044.	2.2	24
17	Metabolism of Levulinate in Perfused Rat Livers and Live Rats. Journal of Biological Chemistry, 2011, 286, 5895-5904.	3.4	19
18	4-Hydroxy-2(E)-nonenal (HNE) catabolism and formation of HNE adducts are modulated by $\dot{\text{I}}^2$ oxidation of fatty acids in the isolated rat heart. Free Radical Biology and Medicine, 2013, 58, 35-44.	2.9	17

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19	Catabolism of (2E)-4-Hydroxy-2-nonenal via α - and β -1-Oxidation Stimulated by Ketogenic Diet. <i>Journal of Biological Chemistry</i> , 2014, 289, 32327-32338.	3.4	17
20	Metabolism of β -hydroxybutyrate in perfused rat livers. <i>Biochemical Journal</i> , 2012, 444, 333-341.	3.7	15
21	The syntheses and applications of β -benzylmercaptoethylamine derivatives. <i>Tetrahedron</i> , 2009, 65, 10515-10534.	1.9	12
22	Glutathionylated 4-hydroxy-2-(E)-alkenal enantiomers in rat organs and their contributions toward the disposal of 4-hydroxy-2-(E)-nonenal in rat liver. <i>Free Radical Biology and Medicine</i> , 2014, 70, 78-85.	2.9	12
23	Structure-based design and synthesis of a novel long-chain 4-alkyl ether derivative of EGCC as potent EGFR inhibitor: <i>in vitro</i> and <i>in silico</i> studies. <i>RSC Advances</i> , 2022, 12, 17821-17836.	3.6	12
24	Metabolomics and Mass Isotopomer Analysis as a Strategy for Pathway Discovery: Pyrrolyl and Cyclopentenyl Derivatives of the Pro-Drug of Abuse, Levulinate. <i>Chemical Research in Toxicology</i> , 2013, 26, 213-220.	3.3	9
25	Modular Isotopomer Synthesis of β -Hydroxybutyric Acid for a Quantitative Analysis of Metabolic Fates. <i>ACS Chemical Biology</i> , 2014, 9, 1706-1711.	3.4	9
26	Identification of a negative feedback loop in biological oxidant formation regulated by 4-hydroxy-2-(E)-nonenal. <i>Redox Biology</i> , 2014, 2, 755-763.	9.0	9
27	Synthesis and Biological Evaluation of Analogues of a Novel Inhibitor of β -Amyloid Secretion. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 5302-5319.	6.4	7
28	Partial β -oxidation and bilateral α -oxidation of γ -hydroxybutyrate (GHB) in perfused rat livers. <i>FASEB Journal</i> , 2010, 24, 504.4.	0.5	0
29	Cyclical C7-CoA esters derived from calcium levulinate, a pro-drug of abuse. <i>FASEB Journal</i> , 2012, 26, 551.1.	0.5	0