

# Chitra Subramanian

## List of Publications by Year in descending order

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32  
papers

1,810  
citations

361413

20  
h-index

434195

31  
g-index

33  
all docs

33  
docs citations

33  
times ranked

2598  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Structural transitions in bacterial fatty acid binding proteins that permit ligand entry and exit at membranes. <i>Journal of Biological Chemistry</i> , 2022, , 101676.	3.4	7
2	Proton magnetic resonance spectroscopy detects cerebral metabolic derangement in a mouse model of brain coenzyme a deficiency. <i>Journal of Translational Medicine</i> , 2022, 20, 103.	4.4	3
3	Domain architecture and catalysis of the <i>Staphylococcus aureus</i> fatty acid kinase. <i>Journal of Biological Chemistry</i> , 2022, 298, 101993.	3.4	6
4	Pantothenate kinase activation relieves coenzyme A sequestration and improves mitochondrial function in mice with propionic acidemia. <i>Science Translational Medicine</i> , 2021, 13, eabf5965.	12.4	12
5	Malonyl-acyl carrier protein decarboxylase activity promotes fatty acid and cell envelope biosynthesis in Proteobacteria. <i>Journal of Biological Chemistry</i> , 2021, 297, 101434.	3.4	15
6	LipE guided discovery of isopropylphenyl pyridazines as pantothenate kinase modulators. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 52, 116504.	3.0	3
7	A pantothenate kinase-deficient mouse model reveals a gene expression program associated with brain coenzyme a reduction. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165663.	3.8	25
8	Host Fatty Acid Utilization by <i>Staphylococcus aureus</i> at the Infection Site. <i>MBio</i> , 2020, 11, .	4.1	26
9	Quantification of Coenzyme A in Cells and Tissues. <i>Journal of Visualized Experiments</i> , 2019, , .	0.3	7
10	Oleate hydratase from <i>Staphylococcus aureus</i> protects against palmitoleic acid, the major antimicrobial fatty acid produced by mammalian skin. <i>Journal of Biological Chemistry</i> , 2019, 294, 9285-9294.	3.4	33
11	Human pantothenate kinase 4 is a pseudo-pantothenate kinase. <i>Protein Science</i> , 2019, 28, 1031-1047.	7.6	29
12	Acyl-chain selectivity and physiological roles of <i>Staphylococcus aureus</i> fatty acid-binding proteins. <i>Journal of Biological Chemistry</i> , 2019, 294, 38-49.	3.4	25
13	A therapeutic approach to pantothenate kinase associated neurodegeneration. <i>Nature Communications</i> , 2018, 9, 4399.	12.8	65
14	T Cells Encountering Myeloid Cells Programmed for Amino Acid-dependent Immunosuppression Use Rictor/mTORC2 Protein for Proliferative Checkpoint Decisions. <i>Journal of Biological Chemistry</i> , 2017, 292, 15-30.	3.4	52
15	Role of Fatty Acid Kinase in Cellular Lipid Homeostasis and SaeRS-Dependent Virulence Factor Expression in <i>Staphylococcus aureus</i> . <i>MBio</i> , 2017, 8, .	4.1	31
16	Functional Analysis of Semi-conserved Transit Peptide Motifs and Mechanistic Implications in Precursor Targeting and Recognition. <i>Molecular Plant</i> , 2016, 9, 1286-1301.	8.3	42
17	Allosteric Regulation of Mammalian Pantothenate Kinase. <i>Journal of Biological Chemistry</i> , 2016, 291, 22302-22314.	3.4	29
18	Incorporation of extracellular fatty acids by a fatty acid kinase-dependent pathway in <i>Staphylococcus aureus</i> . <i>Molecular Microbiology</i> , 2014, 92, 234-245.	2.5	90

#	ARTICLE	IF	CITATIONS
19	Identification of a two-component fatty acid kinase responsible for host fatty acid incorporation by <i>Staphylococcus aureus</i> . Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 10532-10537.	7.1	141
20	Cancer-associated Isocitrate Dehydrogenase Mutations Inactivate NADPH-dependent Reductive Carboxylation. Journal of Biological Chemistry, 2012, 287, 14615-14620.	3.4	140
21	Sustained Generation of Nitric Oxide and Control of Mycobacterial Infection Requires Argininosuccinate Synthase 1. Cell Host and Microbe, 2012, 12, 313-323.	11.0	154
22	A $\sigma^W$ -dependent stress response in <i>Bacillus subtilis</i> that reduces membrane fluidity. Molecular Microbiology, 2011, 81, 69-79.	2.5	64
23	Metabolic basis for the differential susceptibility of Gram-positive pathogens to fatty acid synthesis inhibitors. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15378-15383.	7.1	178
24	Structural basis for the transcriptional regulation of membrane lipid homeostasis. Nature Structural and Molecular Biology, 2010, 17, 971-975.	8.2	79
25	DesT Coordinates the Expression of Anaerobic and Aerobic Pathways for Unsaturated Fatty Acid Biosynthesis in <i>Pseudomonas aeruginosa</i> . Journal of Bacteriology, 2010, 192, 280-285.	2.2	28
26	FabH selectivity for anteiso branched-chain fatty acid precursors in low-temperature adaptation in <i>Listeria monocytogenes</i> . FEMS Microbiology Letters, 2009, 301, 188-192.	1.8	65
27	Imaging protein interactions with bioluminescence resonance energy transfer (BRET) in plant and mammalian cells and tissues. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10264-10269.	7.1	130
28	A suite of tools and application notes for in vivo protein interaction assays using bioluminescence resonance energy transfer (BRET). Plant Journal, 2006, 48, 138-152.	5.7	71
29	In Vivo Detection of Protein-Protein Interaction in Plant Cells Using BRET. , 2004, 284, 271-286.		27
30	The Arabidopsis repressor of light signaling, COP1, is regulated by nuclear exclusion: Mutational analysis by bioluminescence resonance energy transfer. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 6798-6802.	7.1	119
31	Technical Advance: Cytometric analysis of an epitope-tagged transit peptide bound to the chloroplast translocation apparatus. Plant Journal, 2001, 25, 349-363.	5.7	6
32	Identification of a Hsp70 Recognition Domain within the Rubisco Small Subunit Transit Peptide. Plant Physiology, 2000, 122, 1289-1300.	4.8	108