

# Steven Claypool

## List of Publications by Year in descending order

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73  
papers

4,343  
citations

109137

35  
h-index

114278

63  
g-index

83  
all docs

83  
docs citations

83  
times ranked

5033  
citing authors

#	ARTICLE	IF	CITATIONS
1	Human Neonatal Fc Receptor Mediates Transport of IgG into Luminal Secretions for Delivery of Antigen to Mucosal Dendritic Cells. <i>Immunity</i> , 2004, 20, 769-783.	6.6	429
2	The complexity of cardiolipin in health and disease. <i>Trends in Biochemical Sciences</i> , 2012, 37, 32-41.	3.7	289
3	Cardiolipin defines the interactome of the major ADP/ATP carrier protein of the mitochondrial inner membrane. <i>Journal of Cell Biology</i> , 2008, 182, 937-950.	2.3	273
4	Phosphatidylethanolamine Metabolism in Health and Disease. <i>International Review of Cell and Molecular Biology</i> , 2016, 321, 29-88.	1.6	269
5	Neonatal Fc receptor for IgG regulates mucosal immune responses to luminal bacteria. <i>Journal of Clinical Investigation</i> , 2006, 116, 2142-2151.	3.9	199
6	Cardiolipin, a critical determinant of mitochondrial carrier protein assembly and function. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 2059-2068.	1.4	170
7	Bidirectional Transepithelial IgG Transport by a Strongly Polarized Basolateral Membrane Fc $\gamma$ 3-Receptor. <i>Molecular Biology of the Cell</i> , 2004, 15, 1746-1759.	0.9	142
8	Mitochondrial mislocalization and altered assembly of a cluster of Barth syndrome mutant tafazzins. <i>Journal of Cell Biology</i> , 2006, 174, 379-390.	2.3	129
9	Disorders of phospholipid metabolism: an emerging class of mitochondrial disease due to defects in nuclear genes. <i>Frontiers in Genetics</i> , 2015, 6, 3.	1.1	116
10	Cardiolipin, Mitochondria, and Neurological Disease. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 224-237.	3.1	113
11	Role for Two Conserved Intermembrane Space Proteins, Ups1p and Up2p, in Intra-mitochondrial Phospholipid Trafficking. <i>Journal of Biological Chemistry</i> , 2012, 287, 15205-15218.	1.6	101
12	Unremodeled and Remodeled Cardiolipin Are Functionally Indistinguishable in Yeast. <i>Journal of Biological Chemistry</i> , 2014, 289, 1768-1778.	1.6	100
13	Functional Reconstitution of Human FcRn in Madin-Darby Canine Kidney Cells Requires Co-expressed Human $\beta$ 2-Microglobulin. <i>Journal of Biological Chemistry</i> , 2002, 277, 28038-28050.	1.6	98
14	The Cardiolipin Transacylase, Tafazzin, Associates with Two Distinct Respiratory Components Providing Insight into Barth Syndrome. <i>Molecular Biology of the Cell</i> , 2008, 19, 5143-5155.	0.9	97
15	Mitochondria Influence CDR1 Efflux Pump Activity, Hog1-Mediated Oxidative Stress Pathway, Iron Homeostasis, and Ergosterol Levels in <i>Candida albicans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2013, 57, 5580-5599.	1.4	79
16	Phosphatidylethanolamine made in the inner mitochondrial membrane is essential for yeast cytochrome bc1 complex function. <i>Nature Communications</i> , 2019, 10, 1432.	5.8	72
17	Characterization of the porcine neonatal Fc receptor-potential use for trans-epithelial protein delivery. <i>Immunology</i> , 2005, 114, 542-553.	2.0	70
18	Seven functional classes of Barth syndrome mutation. <i>Human Molecular Genetics</i> , 2013, 22, 483-492.	1.4	67

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19	The Mammalian Malonyl-CoA Synthetase ACSF3 Is Required for Mitochondrial Protein Malonylation and Metabolic Efficiency. <i>Cell Chemical Biology</i> , 2017, 24, 673-684.e4.	2.5	65
20	Acyl-CoA thioesterase-2 facilitates mitochondrial fatty acid oxidation in the liver. <i>Journal of Lipid Research</i> , 2014, 55, 2458-2470.	2.0	64
21	IgG transport across mucosal barriers by neonatal Fc receptor for IgG and mucosal immunity. <i>Seminars in Immunopathology</i> , 2006, 28, 397-403.	4.0	63
22	Phospholipid ebb and flow makes mitochondria go. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	63
23	Rapid degradation of mutant SLC25A46 by the ubiquitin-proteasome system results in MFN1/2-mediated hyperfusion of mitochondria. <i>Molecular Biology of the Cell</i> , 2017, 28, 600-612.	0.9	61
24	Developmental Regulation of TCR $\hat{r}$ Locus Accessibility and Expression by the TCR $\hat{r}$ Enhancer. <i>Immunity</i> , 1999, 10, 503-513.	6.6	60
25	Barth syndrome mutations that cause tafazzin complex lability. <i>Journal of Cell Biology</i> , 2011, 192, 447-462.	2.3	58
26	Deacylation on the matrix side of the mitochondrial inner membrane regulates cardiolipin remodeling. <i>Molecular Biology of the Cell</i> , 2013, 24, 2008-2020.	0.9	55
27	Defining functional classes of Barth syndrome mutation in humans. <i>Human Molecular Genetics</i> , 2016, 25, 1754-1770.	1.4	53
28	The topology and regulation of cardiolipin biosynthesis and remodeling in yeast. <i>Chemistry and Physics of Lipids</i> , 2014, 179, 25-31.	1.5	52
29	Metalloprotease OMA1 Fine-tunes Mitochondrial Bioenergetic Function and Respiratory Supercomplex Stability. <i>Scientific Reports</i> , 2015, 5, 13989.	1.6	52
30	Impaired Cardiolipin Biosynthesis Prevents Hepatic Steatosis and Diet-Induced Obesity. <i>Diabetes</i> , 2016, 65, 3289-3300.	0.3	50
31	N-Glycan Moieties in Neonatal Fc Receptor Determine Steady-state Membrane Distribution and Directional Transport of IgG. <i>Journal of Biological Chemistry</i> , 2009, 284, 8292-8300.	1.6	49
32	Ca <sup>2+</sup> -dependent Calmodulin Binding to FcRn Affects Immunoglobulin G Transport in the Transcytotic Pathway. <i>Molecular Biology of the Cell</i> , 2008, 19, 414-423.	0.9	47
33	Tim54p connects inner membrane assembly and proteolytic pathways in the mitochondrion. <i>Journal of Cell Biology</i> , 2007, 178, 1161-1175.	2.3	45
34	Antigen presentation by intestinal epithelial cells. <i>Immunology Letters</i> , 1999, 69, 7-11.	1.1	44
35	Phosphatidylethanolamine Biosynthesis in Mitochondria. <i>Journal of Biological Chemistry</i> , 2012, 287, 43961-43971.	1.6	42
36	<i>PLD3</i> is a mitochondrial disease gene causing skeletal dysplasia, cataracts, and white matter changes. <i>Life Science Alliance</i> , 2019, 2, e201900353.	1.3	41

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37	Systems Analysis of the 22q11.2 Microdeletion Syndrome Converges on a Mitochondrial Interactome Necessary for Synapse Function and Behavior. <i>Journal of Neuroscience</i> , 2019, 39, 1983-18.	1.7	38
38	Human adenine nucleotide translocases physically and functionally interact with respirasomes. <i>Molecular Biology of the Cell</i> , 2017, 28, 1489-1506.	0.9	37
39	The power of yeast to model diseases of the powerhouse of the cell. <i>Frontiers in Bioscience - Landmark</i> , 2013, 18, 241.	3.0	34
40	The Mitochondrial Transacylase, Tafazzin, Regulates AML Stemness by Modulating Intracellular Levels of Phospholipids. <i>Cell Stem Cell</i> , 2019, 24, 621-636.e16.	5.2	32
41	Mitochondrial compartmentalization: emerging themes in structure and function. <i>Trends in Biochemical Sciences</i> , 2021, 46, 902-917.	3.7	32
42	Krüppel-like factor 4 (KLF4) induces mitochondrial fusion and increases spare respiratory capacity of human glioblastoma cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 6544-6555.	1.6	31
43	The mitochondrial carrier SFXN1 is critical for complex III integrity and cellular metabolism. <i>Cell Reports</i> , 2021, 34, 108869.	2.9	30
44	Specific degradation of phosphatidylglycerol is necessary for proper mitochondrial morphology and function. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 34-45.	0.5	29
45	Multitiered and Cooperative Surveillance of Mitochondrial Phosphatidylserine Decarboxylase 1. <i>Molecular and Cellular Biology</i> , 2017, 37, .	1.1	29
46	Cardiolipin, conformation, and respiratory complex-dependent oligomerization of the major mitochondrial ADP/ATP carrier in yeast. <i>Science Advances</i> , 2020, 6, eabb0780.	4.7	28
47	Tafazzin deficiency impairs CoA-dependent oxidative metabolism in cardiac mitochondria. <i>Journal of Biological Chemistry</i> , 2020, 295, 12485-12497.	1.6	24
48	Regulation of mitochondrial fragmentation in microvascular endothelial cells isolated from the SU5416/hypoxia model of pulmonary arterial hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 317, L639-L652.	1.3	23
49	Phosphatidylserine Decarboxylase 1 Autocatalysis and Function Does Not Require a Mitochondrial-specific Factor. <i>Journal of Biological Chemistry</i> , 2015, 290, 12744-12752.	1.6	22
50	Emerging Roles in the Biogenesis of Cytochrome c Oxidase for Members of the Mitochondrial Carrier Family. <i>Frontiers in Cell and Developmental Biology</i> , 2019, 7, 3.	1.8	21
51	Natural and Induced Mitochondrial Phosphate Carrier Loss. <i>Journal of Biological Chemistry</i> , 2016, 291, 26126-26137.	1.6	18
52	Adenine nucleotide translocase regulates airway epithelial metabolism, surface hydration and ciliary function. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	18
53	Cardiomyopathy-associated mutation in the ADP/ATP carrier reveals translation-dependent regulation of cytochrome c oxidase activity. <i>Molecular Biology of the Cell</i> , 2018, 29, 1449-1464.	0.9	16
54	The multiple roles of major histocompatibility complex class-I-like molecules in mucosal immune function. <i>Acta Odontologica Scandinavica</i> , 2001, 59, 139-144.	0.9	15

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55	Impaired phosphatidylethanolamine metabolism activates a reversible stress response that detects and resolves mutant mitochondrial precursors. <i>IScience</i> , 2021, 24, 102196.	1.9	15
56	The Taz1p Transacylase Is Imported and Sorted into the Outer Mitochondrial Membrane via a Membrane Anchor Domain. <i>Eukaryotic Cell</i> , 2013, 12, 1600-1608.	3.4	11
57	Tafazzins from <i>Drosophila</i> and mammalian cells assemble in large protein complexes with a short half-life. <i>Mitochondrion</i> , 2015, 21, 27-32.	1.6	11
58	Secretory pathway Ca <sup>2+</sup> -ATPase SPCA2 regulates mitochondrial respiration and DNA damage response through store-independent calcium entry. <i>Redox Biology</i> , 2022, 50, 102240.	3.9	9
59	Diverse mitochondrial abnormalities in a new cellular model of TAFFAZZIN deficiency are remediated by cardiolipin-interacting small molecules. <i>Journal of Biological Chemistry</i> , 2021, 297, 101005.	1.6	7
60	Proteolytic Control of Lipid Metabolism. <i>ACS Chemical Biology</i> , 2019, 14, 2406-2423.	1.6	6
61	The Influence of Supplemental Dietary Linoleic Acid on Skeletal Muscle Contractile Function in a Rodent Model of Barth Syndrome. <i>Frontiers in Physiology</i> , 2021, 12, 731961.	1.3	6
62	Hereditary Spastic Paraplegia: Respiratory Choke or Unactivated Substrate?. <i>Cell</i> , 2005, 123, 183-185.	13.5	5
63	Tafazzin Modulates Allergen-Induced Mast Cell Inflammatory Mediator Secretion. <i>ImmunoHorizons</i> , 2021, 5, 182-192.	0.8	5
64	Cardiolipinâ€™s Remodeling Rules Revealed: The Role of the Cellular Lipidome. <i>Cell Reports</i> , 2020, 30, 3949-3950.	2.9	3
65	Role for two conserved intermembrane space proteins, Ups1p and Ups2p, in intra-mitochondrial phospholipid trafficking.. <i>Journal of Biological Chemistry</i> , 2012, 287, 27450.	1.6	0
66	Cardiolipinâ€¢dependent Carriers. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
67	Altered Membrane Association and Complex Formation of Tafazzin in the Absence of Cardiolipin. <i>FASEB Journal</i> , 2006, 20, A59.	0.2	0
68	Defining Trafficking Steps Required for Cardiolipin Remodeling. <i>FASEB Journal</i> , 2013, 27, 585.14.	0.2	0
69	Characterizing Mitochondrial Phostidylserine Decarboxylase 1. <i>FASEB Journal</i> , 2013, 27, 585.17.	0.2	0
70	Topological Difference but Dysfunctional Conservation of Cardiolipin Remodeling in Yeast and Mammals. <i>FASEB Journal</i> , 2015, 29, 885.12.	0.2	0
71	Tafazzin (TAZ) Regulates the Differentiation of AML Cells By Reducing Levels of the Phospholipid Phosphatidylethanolamine. <i>Blood</i> , 2017, 130, 788-788.	0.6	0
72	Impaired Phosphatidylethanolamine Metabolism Activates a Reversible Stress Response that Detects and Resolves Mutant Mitochondrial Precursors. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0

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73	Investigating Mitochondrial Dysfunction in Barth Syndrome. FASEB Journal, 2022, 36, .	0.2	0