

# David Venzke

## List of Publications by Year in descending order

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27  
papers

2,272  
citations

331670

21  
h-index

526287

27  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2268  
citing authors

#	ARTICLE	IF	CITATIONS
1	Progressive Muscular Dystrophy in $\beta$ -Sarcoglycan-deficient Mice. <i>Journal of Cell Biology</i> , 1998, 142, 1461-1471.	5.2	331
2	ISPD loss-of-function mutations disrupt dystroglycan O-mannosylation and cause Walker-Warburg syndrome. <i>Nature Genetics</i> , 2012, 44, 575-580.	21.4	212
3	SGK196 Is a Glycosylation-Specific $\alpha$ -Mannose Kinase Required for Dystroglycan Function. <i>Science</i> , 2013, 341, 896-899.	12.6	197
4	Sarcospan, the 25-kDa Transmembrane Component of the Dystrophin-Glycoprotein Complex. <i>Journal of Biological Chemistry</i> , 1997, 272, 31221-31224.	3.4	165
5	$\beta$ Subunit Heterogeneity in N-type $Ca^{2+}$ Channels. <i>Journal of Biological Chemistry</i> , 1996, 271, 3207-3212.	3.4	132
6	Functional Rescue of the Sarcoglycan Complex in the BIO 14.6 Hamster Using $\beta$ -Sarcoglycan Gene Transfer. <i>Molecular Cell</i> , 1998, 1, 841-848.	9.7	120
7	LARGE glycans on dystroglycan function as a tunable matrix scaffold to prevent dystrophy. <i>Nature</i> , 2013, 503, 136-140.	27.8	112
8	Molecular Pathogenesis of Muscle Degeneration in the $\beta$ -Sarcoglycan-Deficient Hamster. <i>American Journal of Pathology</i> , 1998, 153, 1623-1630.	3.8	107
9	The glucuronyltransferase B4GAT1 is required for initiation of LARGE-mediated $\beta$ -dystroglycan functional glycosylation. <i>ELife</i> , 2014, 3, .	6.0	96
10	Structural basis of laminin binding to the LARGE glycans on dystroglycan. <i>Nature Chemical Biology</i> , 2016, 12, 810-814.	8.0	88
11	Characterization of $\beta$ -Sarcoglycan, a Novel Component of the Oligomeric Sarcoglycan Complex Involved in Limb-Girdle Muscular Dystrophy. <i>Journal of Biological Chemistry</i> , 1996, 271, 32321-32329.	3.4	87
12	Composition of Corn Steep Water during Steeping. <i>Journal of Agricultural and Food Chemistry</i> , 1996, 44, 1857-1863.	5.2	79
13	Caveolin-3 is not an integral component of the dystrophin glycoprotein complex. <i>FEBS Letters</i> , 1998, 427, 279-282.	2.8	75
14	Three-dimensional Map of a Plant V-ATPase Based on Electron Microscopy. <i>Journal of Biological Chemistry</i> , 2002, 277, 13115-13121.	3.4	70
15	A Different Conformation for EGC Stator Subcomplex in Solution and in the Assembled Yeast V-ATPase: Possible Implications for Regulatory Disassembly. <i>Structure</i> , 2008, 16, 1789-1798.	3.3	69
16	The glycans of soybean peroxidase. <i>Glycobiology</i> , 1996, 6, 23-32.	2.5	51
17	Building the Stator of the Yeast Vacuolar-ATPase. <i>Journal of Biological Chemistry</i> , 2004, 279, 40670-40676.	3.4	49
18	Elucidation of the Stator Organization in the V-ATPase of <i>Neurospora crassa</i> . <i>Journal of Molecular Biology</i> , 2005, 349, 659-669.	4.2	43

#	ARTICLE	IF	CITATIONS
19	Sarcoglycan Complex. <i>Journal of Biological Chemistry</i> , 2009, 284, 19178-19182.	3.4	35
20	Peripheral Stator of the Yeast V-ATPase: Stoichiometry and Specificity of Interaction between the EC Complex and Subunits C and H. <i>Biochemistry</i> , 2005, 44, 15906-15914.	2.5	34
21	Structure of protein O-mannose kinase reveals a unique active site architecture. <i>ELife</i> , 2016, 5, .	6.0	33
22	Endogenous Glucuronyltransferase Activity of LARGE or LARGE2 Required for Functional Modification of $\alpha$ -Dystroglycan in Cells and Tissues. <i>Journal of Biological Chemistry</i> , 2014, 289, 28138-28148.	3.4	19
23	POMK regulates dystroglycan function via LARGE1-mediated elongation of matriglycan. <i>ELife</i> , 2020, 9, .	6.0	19
24	HNK-1 sulfotransferase modulates $\alpha$ -dystroglycan glycosylation by 3-O-sulfation of glucuronic acid on matriglycan. <i>Glycobiology</i> , 2020, 30, 817-829.	2.5	17
25	Protective role for the N-terminal domain of $\alpha$ -dystroglycan in Influenza A virus proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11396-11401.	7.1	13
26	<i>Large1</i> gene transfer in older <i>myd</i> mice with severe muscular dystrophy restores muscle function and greatly improves survival. <i>Science Advances</i> , 2022, 8, .	10.3	7
27	Muscular dystrophy-dystroglycanopathy in a family of Labrador retrievers with a LARGE1 mutation. <i>Neuromuscular Disorders</i> , 2021, 31, 1169-1178.	0.6	6