Kevin P Campbell

List of Publications by Year in Descending Order

381 papers	45,559 citations	118 h-index	204 g-index
400 ext. papers	48,552 ext. citations	11.1 avg, IF	7.11 L-index

#	Paper	IF	Citations
381	Muscular dystrophy-dystroglycanopathy in a family of Labrador retrievers with a LARGE1 mutation. *Neuromuscular Disorders*, **2021**,	2.9	1
380	Lassa Fever Virus Binds Matriglycan-A Polymer of Alternating Xylose and Glucuronate-On □Dystroglycan. *Viruses*, **2021**, 13,	6.2	2
379	Investigations of an inducible intact dystrophin gene excision system in cardiac and skeletal muscle in vivo. *Scientific Reports*, **2020**, 10, 10967	4.9	1
378	HNK-1 sulfotransferase modulates □dystroglycan glycosylation by 3-O-sulfation of glucuronic acid on matriglycan. *Glycobiology*, **2020**, 30, 817-829	5.8	4
377	POMK regulates dystroglycan function via LARGE1-mediated elongation of matriglycan. *ELife*, **2020**, 9,	8.9	5
376	The dystroglycan receptor maintains glioma stem cells in the vascular niche. *Acta Neuropathologica*, **2019**, 138, 1033-1052	14.3	12
375	Exogenous expression of the glycosyltransferase LARGE1 restores □dystroglycan matriglycan and laminin binding in rhabdomyosarcoma. *Skeletal Muscle*, **2019**, 9, 11	5.1	6
374	Protective role for the N-terminal domain of □dystroglycan in Influenza A virus proliferation. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 11396-11401	11.5	10
373	Clinical utility of RNA sequencing to resolve unusual GNE myopathy with a novel promoter deletion. *Muscle and Nerve*, **2019**, 60, 98-103	3.4	5
372	Dynamic Dystroglycan Complexes Mediate Cell Entry of Lassa Virus. *MBio*, **2019**, 10,	7.8	6
371	Alpha-Dystroglycan Supports Platelet Aggregation and Thrombus Formation. *Blood*, **2019**, 134, 11-11	2.2	
370	A unique variant of lymphocytic choriomeningitis virus that induces pheromone binding protein MUP: Critical role for CTL. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 18001-18008	11.5	2
369	Uniparental disomy unveils a novel recessive mutation in POMT2. *Neuromuscular Disorders*, **2018**, 28, 592-596	2.9	9
368	227 ENMC International Workshop:: Finalizing a plan to guarantee quality in translational research for neuromuscular diseases Heemskerk, Netherlands, 10-11 February 2017. *Neuromuscular Disorders*, **2018**, 28, 185-192	2.9	3
367	Biochemical and pathological changes result from mutated Caveolin-3 in muscle. *Skeletal Muscle*, **2018**, 8, 28	5.1	12
366	220th ENMC workshop: Dystroglycan and the dystroglycanopathies Naarden, The Netherlands, 27-29 May 2016. *Neuromuscular Disorders*, **2017**, 27, 387-395	2.9	6
365	Exome sequencing reveals independent SGCD deletions causing limb girdle muscular dystrophy in Boston terriers. *Skeletal Muscle*, **2017**, 7, 15	5.1	12

364	Dystroglycan Maintains Inner Limiting Membrane Integrity to Coordinate Retinal Development. *Journal of Neuroscience*, **2017**, 37, 8559-8574	6.6	17
363	Structural basis of laminin binding to the LARGE glycans on dystroglycan. *Nature Chemical Biology*, **2016**, 12, 810-4	11.7	61
362	Role of dystroglycan in limiting contraction-induced injury to the sarcomeric cytoskeleton of mature skeletal muscle. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 10992-7	11.5	23
361	Biallelic Mutations in TMTC3, Encoding a Transmembrane and TPR-Containing Protein, Lead to Cobblestone Lissencephaly. *American Journal of Human Genetics*, **2016**, 99, 1181-1189	11	21
360	Collagen VI deficiency reduces muscle pathology, but does not improve muscle function, in the □sarcoglycan-null mouse. *Human Molecular Genetics*, **2016**, 25, 1357-69	5.6	10
359	Training the next generation of biomedical investigators in glycosciences. *Journal of Clinical Investigation*, **2016**, 126, 405-8	15.9	29
358	The functional O-mannose glycan on □dystroglycan contains a phospho-ribitol primed for matriglycan addition. *ELife*, **2016**, 5,	8.9	73
357	Structure of protein O-mannose kinase reveals a unique active site architecture. *ELife*, **2016**, 5,	8.9	23
356	Molecular Signatures of Membrane Protein Complexes Underlying Muscular Dystrophy. *Molecular and Cellular Proteomics*, **2016**, 15, 2169-85	7.6	15
355	LARGE2-dependent glycosylation confers laminin-binding ability on proteoglycans. *Glycobiology*, **2016**, 26, 1284-1296	5.8	11
354	Neuronal Dystroglycan Is Necessary for Formation and Maintenance of Functional CCK-Positive Basket Cell Terminals on Pyramidal Cells. *Journal of Neuroscience*, **2016**, 36, 10296-10313	6.6	43
353	Genetic characterization and improved genotyping of the dysferlin-deficient mouse strain Dysf (tm1Kcam). *Skeletal Muscle*, **2015**, 5, 32	5.1	3
352	GMPPB-Associated Dystroglycanopathy: Emerging Common Variants with Phenotype Correlation. *Human Mutation*, **2015**, 36, 1159-63	4.7	31
351	Matriglycan: a novel polysaccharide that links dystroglycan to the basement membrane. *Glycobiology*, **2015**, 25, 702-13	5.8	120
350	Skeletal muscle's 3rd year anniversary. *Skeletal Muscle*, **2014**, 4, 3	5.1	
349	Third International Workshop for Glycosylation Defects in Muscular Dystrophies, 18-19 April 2013, Charlotte, USA. *Brain Pathology*, **2014**, 24, 280-4	6	2
348	A novel missense mutation in POMT1 modulates the severe congenital muscular dystrophy phenotype associated with POMT1 nonsense mutations. *Neuromuscular Disorders*, **2014**, 24, 312-20	2.9	12
347	Endogenous glucuronyltransferase activity of LARGE or LARGE2 required for functional modification of □dystroglycan in cells and tissues. *Journal of Biological Chemistry*, **2014**, 289, 28138-48	5.4	10

346	Cav3.2 T-type calcium channel is required for the NFAT-dependent Sox9 expression in tracheal cartilage. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, E1990-8	11.5	42
345	The glucuronyltransferase B4GAT1 is required for initiation of LARGE-mediated -dystroglycan functional glycosylation. *ELife*, **2014**, 3,	8.9	67
344	Like-Glycosyltransferase; Glycosyltransferase-Like 1B (LARGE, GYLTL1B) **2014**, 1167-1179		
343	Dystroglycan: An Extracellular Matrix Receptor That Links to the Cytoskeleton **2014**, 1-7		
342	LARGE glycans on dystroglycan function as a tunable matrix scaffold to prevent dystrophy. *Nature*, **2013**, 503, 136-40	50.4	79
341	Glial scaffold required for cerebellar granule cell migration is dependent on dystroglycan function as a receptor for basement membrane proteins. *Acta Neuropathologica Communications*, **2013**, 1, 58	7.3	22
340	Cell entry of Lassa virus induces tyrosine phosphorylation of dystroglycan. *Cellular Microbiology*, **2013**, 15, 689-700	3.9	22
339	Mutations in GDP-mannose pyrophosphorylase B cause congenital and limb-girdle muscular dystrophies associated with hypoglycosylation of -dystroglycan. *American Journal of Human Genetics*, **2013**, 93, 29-41	11	162
338	Mutations in B3GALNT2 cause congenital muscular dystrophy and hypoglycosylation of -dystroglycan. *American Journal of Human Genetics*, **2013**, 92, 354-65	11	139
337	Congenital disorder of glycosylation due to DPM1 mutations presenting with dystroglycanopathy-type congenital muscular dystrophy. *Molecular Genetics and Metabolism*, **2013**, 110, 345-351	3.7	60
336	Xylosyl- and glucuronyltransferase functions of LARGE in -dystroglycan modification are conserved in LARGE2. *Glycobiology*, **2013**, 23, 295-302	5.8	47
335	ISPD gene mutations are a common cause of congenital and limb-girdle muscular dystrophies. *Brain* , **2013**, 136, 269-81	11.2	65
334	Loss of LARGE2 disrupts functional glycosylation of -dystroglycan in prostate cancer. *Journal of Biological Chemistry*, **2013**, 288, 2132-42	5.4	26
333	SGK196 is a glycosylation-specific O-mannose kinase required for dystroglycan function. *Science*, **2013**, 341, 896-9	33.3	162
332	Molecular Basis for Dystroglycan Binding to Laminin-G Domain-Containing Ligands. *FASEB Journal*, **2013**, 27, 85.1	0.9	
331	Illuminating regeneration: noninvasive imaging of disease progression in muscular dystrophy. *Journal of Clinical Investigation*, **2013**, 123, 1931-4	15.9	
330	Binding of Lassa virus perturbs extracellular matrix-induced signal transduction via dystroglycan. *Cellular Microbiology*, **2012**, 14, 1122-34	3.9	28
329	Endpoint measures in the mdx mouse relevant for muscular dystrophy pre-clinical studies. *Neuromuscular Disorders*, **2012**, 22, 34-42	2.9	29

328	Dystroglycan function requires xylosyl- and glucuronyltransferase activities of LARGE. *Science*, **2012**, 335, 93-6	33.3	215
327	An HMGA2-IGF2BP2 axis regulates myoblast proliferation and myogenesis. *Developmental Cell*, **2012**, 23, 1176-88	10.2	110
326	Skeletal Muscle Dystrophin-Glycoprotein Complex and Muscular Dystrophy **2012**, 935-942		2
325	Skeletal Muscle - one year on. *Skeletal Muscle*, **2012**, 2, 1	5.1	4
324	ISPD loss-of-function mutations disrupt dystroglycan O-mannosylation and cause Walker-Warburg syndrome. *Nature Genetics*, **2012**, 44, 575-80	36.3	183
323	Dystroglycan on radial glia end feet is required for pial basement membrane integrity and columnar organization of the developing cerebral cortex. *Journal of Neuropathology and Experimental Neurology*, **2012**, 71, 1047-63	3.1	56
322	Mouse fukutin deletion impairs dystroglycan processing and recapitulates muscular dystrophy. *Journal of Clinical Investigation*, **2012**, 122, 3330-42	15.9	46
321	Rate of force recovery immediately following lengthening contractions for various mouse models of muscular dystrophy. *FASEB Journal*, **2012**, 26, 1141.6	0.9	
320	Contractile properties of mice deficient in dystrophin and the NADPH subunit p47phox. *FASEB Journal*, **2012**, 26, 1141.7	0.9	
319	The unfolded protein response mediates adaptation to exercise in skeletal muscle through a PGC-1α/ATF6α complex. *Cell Metabolism*, **2011**, 13, 160-9	24.6	211
318	Anti-epileptic drugs delay age-related loss of spiral ganglion neurons via T-type calcium channel. *Hearing Research*, **2011**, 278, 106-12	3.9	23
317	Two separate Ni(2+) -sensitive voltage-gated Ca(2+) channels modulate transretinal signalling in the isolated murine retina. *Acta Ophthalmologica*, **2011**, 89, e579-90	3.7	10
316	Evidence for a role of dystroglycan regulating the membrane architecture of astroglial endfeet. *European Journal of Neuroscience*, **2011**, 33, 2179-86	3.5	75
315	Congenital muscular dystrophy type 1D (MDC1D) due to a large intragenic insertion/deletion, involving intron 10 of the LARGE gene. *European Journal of Human Genetics*, **2011**, 19, 452-7	5.3	38
314	Decoding arenavirus pathogenesis: essential roles for alpha-dystroglycan-virus interactions and the immune response. *Virology*, **2011**, 411, 170-9	3.6	65
313	Variable disease severity in Saudi Arabian and Sudanese families with c.3924 + 2 T > C mutation of LAMA2. *BMC Research Notes*, **2011**, 4, 534	2.3	7
312	Dystrophin deficiency exacerbates skeletal muscle pathology in dysferlin-null mice. *Skeletal Muscle*, **2011**, 1, 35	5.1	40
311	A dystroglycan mutation associated with limb-girdle muscular dystrophy. *New England Journal of Medicine*, **2011**, 364, 939-46	59.2	214

310	Response to the letter: On the localization of ClC-1 in skeletal muscle fibers. *Journal of General Physiology*, **2011**, 137, 331-333	3.4	2
309	Like-acetylglucosaminyltransferase (LARGE)-dependent modification of dystroglycan at Thr-317/319 is required for laminin binding and arenavirus infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 17426-31	11.5	81
308	Combined deficiency of alpha and epsilon sarcoglycan disrupts the cardiac dystrophin complex. *Human Molecular Genetics*, **2011**, 20, 4644-54	5.6	31
307	Glycomic analyses of mouse models of congenital muscular dystrophy. *Journal of Biological Chemistry*, **2011**, 286, 21180-90	5.4	63
306	Point mutation in the glycoprotein of lymphocytic choriomeningitis virus is necessary for receptor binding, dendritic cell infection, and long-term persistence. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 2969-74	11.5	81
305	Sarcolemmal-restricted localization of functional ClC-1 channels in mouse skeletal muscle. *Journal of General Physiology*, **2010**, 136, 597-613	3.4	35
304	Dystroglycan controls signaling of multiple hormones through modulation of STAT5 activity. *Journal of Cell Science*, **2010**, 123, 3683-92	5.3	23
303	Rab3-interacting molecule gamma isoforms lacking the Rab3-binding domain induce long lasting currents but block neurotransmitter vesicle anchoring in voltage-dependent P/Q-type Ca2+ channels. *Journal of Biological Chemistry*, **2010**, 285, 21750-67	5.4	40
302	O-mannosyl phosphorylation of alpha-dystroglycan is required for laminin binding. *Science*, **2010**, 327, 88-92	33.3	279
301	Involvement of Ca2+ channel synprint site in synaptic vesicle endocytosis. *Journal of Neuroscience*, **2010**, 30, 655-60	6.6	25
300	Distinct functions of glial and neuronal dystroglycan in the developing and adult mouse brain. *Journal of Neuroscience*, **2010**, 30, 14560-72	6.6	90
299	Adenosine A(3) receptor stimulation induces protection of skeletal muscle from eccentric exercise-mediated injury. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 299, R259-67	3.2	9
298	Expression of sialidase and dystroglycan in human glomerular diseases. *Nephrology Dialysis Transplantation*, **2010**, 25, 478-84	4.3	13
297	Exercise-induced left ventricular systolic dysfunction in women heterozygous for dystrophinopathy. *Journal of the American Society of Echocardiography*, **2010**, 23, 848-53	5.8	9
296	Caveolin 3 is associated with the calcium release complex and is modified via in vivo triadin modification. *Biochemistry*, **2010**, 49, 6130-5	3.2	15
295	Genetic ablation of complement C3 attenuates muscle pathology in dysferlin-deficient mice. *Journal of Clinical Investigation*, **2010**, 120, 4366-74	15.9	65
294	Functional glycosylation of dystroglycan is crucial for thymocyte development in the mouse. *PLoS ONE*, **2010**, 5, e9915	3.7	6
293	Sarcolemmal-restricted localization of functional ClC-1 channels in mouse skeletal muscle. *Journal of Cell Biology*, **2010**, 191, i16-i16	7.3	

292	Sarcoglycan complex: implications for metabolic defects in muscular dystrophies. *Journal of Biological Chemistry*, **2009**, 284, 19178-82	5.4	30
291	Basal lamina strengthens cell membrane integrity via the laminin G domain-binding motif of alpha-dystroglycan. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 12573-9	11.5	106
290	Dystroglycan matrix receptor function in cardiac myocytes is important for limiting activity-induced myocardial damage. *Circulation Research*, **2009**, 105, 984-93	15.7	35
289	Residual laminin-binding activity and enhanced dystroglycan glycosylation by LARGE in novel model mice to dystroglycanopathy. *Human Molecular Genetics*, **2009**, 18, 621-31	5.6	64
288	Insulin resistance in striated muscle-specific integrin receptor beta1-deficient mice. *Journal of Biological Chemistry*, **2009**, 284, 4679-88	5.4	40
287	The Ca(v)3.2 T-type Ca(2+) channel is required for pressure overload-induced cardiac hypertrophy in mice. *Circulation Research*, **2009**, 104, 522-30	15.7	130
286	Visual impairment in the absence of dystroglycan. *Journal of Neuroscience*, **2009**, 29, 13136-46	6.6	45
285	Loss of alpha-dystroglycan laminin binding in epithelium-derived cancers is caused by silencing of LARGE. *Journal of Biological Chemistry*, **2009**, 284, 11279-84	5.4	84
284	A novel POMT2 mutation causes mild congenital muscular dystrophy with normal brain MRI. *Brain and Development*, **2009**, 31, 465-8	2.2	9
283	The alpha(2)delta subunit augments functional expression and modifies the pharmacology of Ca(V)1.3 L-type channels. *Cell Calcium*, **2009**, 46, 282-92	4	26
282	A comparative study of alpha-dystroglycan glycosylation in dystroglycanopathies suggests that the hypoglycosylation of alpha-dystroglycan does not consistently correlate with clinical severity. *Brain Pathology*, **2009**, 19, 596-611	6	98
281	Further evidence of Fukutin mutations as a cause of childhood onset limb-girdle muscular dystrophy without mental retardation. *Neuromuscular Disorders*, **2009**, 19, 352-6	2.9	20
280	Sarcolemma-localized nNOS is required to maintain activity after mild exercise. *Nature*, **2008**, 456, 511-5	50.4	232
279	Brain and eye malformations resembling Walker-Warburg syndrome are recapitulated in mice by dystroglycan deletion in the epiblast. *Journal of Neuroscience*, **2008**, 28, 10567-75	6.6	66
278	A common disease-associated missense mutation in alpha-sarcoglycan fails to cause muscular dystrophy in mice. *Human Molecular Genetics*, **2008**, 17, 1201-13	5.6	25
277	Transcriptional upregulation of Cav3.2 mediates epileptogenesis in the pilocarpine model of epilepsy. *Journal of Neuroscience*, **2008**, 28, 13341-53	6.6	160
276	Basolateral entry and release of New and Old World arenaviruses from human airway epithelia. *Journal of Virology*, **2008**, 82, 6034-8	6.6	23
275	Alpha6beta4 integrin and dystroglycan cooperate to stabilize the myelin sheath. *Journal of Neuroscience*, **2008**, 28, 6714-9	6.6	62

274	Proteomic analysis of plasma membrane and secretory vesicles from human neutrophils. *Proteome Science*, **2007**, 5, 12	2.6	55
273	C-terminal titin deletions cause a novel early-onset myopathy with fatal cardiomyopathy. *Annals of Neurology*, **2007**, 61, 340-51	9.4	170
272	Expression, localization and functions in acrosome reaction and sperm motility of Ca(V)3.1 and Ca(V)3.2 channels in sperm cells: an evaluation from Ca(V)3.1 and Ca(V)3.2 deficient mice. *Journal of Cellular Physiology*, **2007**, 212, 753-63	7	42
271	RIM1 confers sustained activity and neurotransmitter vesicle anchoring to presynaptic Ca2+ channels. *Nature Neuroscience*, **2007**, 10, 691-701	25.5	186
270	Attenuated pain responses in mice lacking Ca(V)3.2 T-type channels. *Genes, Brain and Behavior*, **2007**, 6, 425-31	3.6	177
269	Dysferlin and muscle membrane repair. *Current Opinion in Cell Biology*, **2007**, 19, 409-16	9	185
268	gamma1-dependent down-regulation of recombinant voltage-gated Ca2+ channels. *Cellular and Molecular Neurobiology*, **2007**, 27, 901-8	4.6	12
267	Inhibition of recombinant N-type Ca(V) channels by the gamma 2 subunit involves unfolded protein response (UPR)-dependent and UPR-independent mechanisms. *Journal of Neuroscience*, **2007**, 27, 3317-27	6.6	23
266	Old World and clade C New World arenaviruses mimic the molecular mechanism of receptor recognition used by alpha-dystroglycan's host-derived ligands. *Journal of Virology*, **2007**, 81, 5685-95	6.6	57
265	Are voltage-dependent ion channels involved in the endothelial cell control of vasomotor tone?. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H1371-83	5.2	62
264	PGC-1alpha regulates the neuromuscular junction program and ameliorates Duchenne muscular dystrophy. *Genes and Development*, **2007**, 21, 770-83	12.6	262
263	Mutation associated with an autosomal dominant cone-rod dystrophy CORD7 modifies RIM1-mediated modulation of voltage-dependent Ca2+ channels. *Channels*, **2007**, 1, 144-7	3	24
262	Long-term skeletal muscle protection after gene transfer in a mouse model of LGMD-2D. *Molecular Therapy*, **2007**, 15, 1775-81	11.7	42
261	Compositional differences between infant and adult human corneal basement membranes. *Investigative Ophthalmology and Visual Science*, **2007**, 48, 4989-99		139
260	Old World arenavirus infection interferes with the expression of functional alpha-dystroglycan in the host cell. *Molecular Biology of the Cell*, **2007**, 18, 4493-507	3.5	40
259	Fukutin-related protein associates with the sarcolemmal dystrophin-glycoprotein complex. *Journal of Biological Chemistry*, **2007**, 282, 16713-7	5.4	35
258	Dysferlin-mediated membrane repair protects the heart from stress-induced left ventricular injury. *Journal of Clinical Investigation*, **2007**, 117, 1805-13	15.9	132
257	Fukutin gene mutations cause dilated cardiomyopathy with minimal muscle weakness. *Annals of Neurology*, **2006**, 60, 597-602	9.4	124

256	Dystroglycan: from biosynthesis to pathogenesis of human disease. *Journal of Cell Science*, **2006**, 119, 199-207	5.3	443
255	Common pathological mechanisms in mouse models for muscular dystrophies. *FASEB Journal*, **2006**, 20, 127-9	0.9	62
254	Dystroglycan loss disrupts polarity and beta-casein induction in mammary epithelial cells by perturbing laminin anchoring. *Journal of Cell Science*, **2006**, 119, 4047-58	5.3	81
253	A functional AMPA receptor-calcium channel complex in the postsynaptic membrane. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 5561-6	11.5	23
252	Interactions of intermediate filament protein synemin with dystrophin and utrophin. *Biochemical and Biophysical Research Communications*, **2006**, 346, 768-77	3.4	70
251	Limb-girdle muscular dystrophy in the United States. *Journal of Neuropathology and Experimental Neurology*, **2006**, 65, 995-1003	3.1	118
250	Reactive oxygen species deglycosilate glomerular alpha-dystroglycan. *Kidney International*, **2006**, 69, 1526-34	9.9	21
249	CaV3.2 is the major molecular substrate for redox regulation of T-type Ca2+ channels in the rat and mouse thalamus. *Journal of Physiology*, **2006**, 574, 415-30	3.9	72
248	Cav3.2 T-type Ca++ channels trigger the endothelium-dependent vasodilator signals activated by electrical stimulation.. *FASEB Journal*, **2006**, 20, A277	0.9	
247	Aberrant glycosylation of alpha-dystroglycan causes defective binding of laminin in the muscle of chicken muscular dystrophy. *FEBS Letters*, **2005**, 579, 2359-63	3.8	28
246	Disruption of perlecan binding and matrix assembly by post-translational or genetic disruption of dystroglycan function. *FEBS Letters*, **2005**, 579, 4792-6	3.8	42
245	Congenital muscular dystrophy with glycosylation defects of alpha-dystroglycan in Japan. *Neuromuscular Disorders*, **2005**, 15, 342-8	2.9	33
244	Dystroglycan is involved in laminin-1-stimulated motility of Müller glial cells: combined velocity and directionality analysis. *Glia*, **2005**, 49, 492-500	9	14
243	Muscles of mice deficient in alpha-sarcoglycan maintain large masses and near control force values throughout the life span. *Physiological Genomics*, **2005**, 22, 244-56	3.6	14
242	Cell stiffness and receptors: evidence for cytoskeletal subnetworks. *American Journal of Physiology - Cell Physiology*, **2005**, 288, C72-80	5.4	34
241	Localization of alpha-dystroglycan on the podocyte: from top to toe. *Journal of Histochemistry and Cytochemistry*, **2005**, 53, 1345-53	3.4	14
240	Both laminin and Schwann cell dystroglycan are necessary for proper clustering of sodium channels at nodes of Ranvier. *Journal of Neuroscience*, **2005**, 25, 9418-27	6.6	91
239	Laminin-6 assembles into multimolecular fibrillar complexes with perlecan and participates in mechanical-signal transduction via a dystroglycan-dependent, integrin-independent mechanism. *Journal of Cell Science*, **2005**, 118, 2557-66	5.3	53

238	Posttranslational modification of alpha-dystroglycan, the cellular receptor for arenaviruses, by the glycosyltransferase LARGE is critical for virus binding. *Journal of Virology*, **2005**, 79, 14282-96	6.6	117
237	Centronuclear myopathy in mice lacking a novel muscle-specific protein kinase transcriptionally regulated by MEF2. *Genes and Development*, **2005**, 19, 2066-77	12.6	77
236	Loss of basement membrane, receptor and cytoskeletal lattices in a laminin-deficient muscular dystrophy. *Journal of Cell Science*, **2004**, 117, 735-42	5.3	45
235	Proteolytic enzymes and altered glycosylation modulate dystroglycan function in carcinoma cells. *Cancer Research*, **2004**, 64, 6152-9	10.1	86
234	LARGE can functionally bypass alpha-dystroglycan glycosylation defects in distinct congenital muscular dystrophies. *Nature Medicine*, **2004**, 10, 696-703	50.5	215
233	Dysferlin and the plasma membrane repair in muscular dystrophy. *Trends in Cell Biology*, **2004**, 14, 206-13	18.3	236
232	Molecular recognition by LARGE is essential for expression of functional dystroglycan. *Cell*, **2004**, 117, 953-64	56.2	217
231	Structural analysis of the voltage-dependent calcium channel beta subunit functional core and its complex with the alpha 1 interaction domain. *Neuron*, **2004**, 42, 387-99	13.9	231
230	Laminin isoforms differentially regulate adhesion, spreading, proliferation, and ERK activation of beta1 integrin-null cells. *Experimental Cell Research*, **2004**, 300, 94-108	4.2	37
229	Molecular Pathways for Dilated Cardiomyopathy **2004**, 306-310		1
228	Gamma subunit of voltage-activated calcium channels. *Journal of Biological Chemistry*, **2003**, 278, 21315-8	5.4	61
227	Targeting Schwann cells by nonlytic arenaviral infection selectively inhibits myelination. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 16071-6	11.5	22
226	Dystrophin-glycoprotein complex: post-translational processing and dystroglycan function. *Journal of Biological Chemistry*, **2003**, 278, 15457-60	5.4	330
225	Phenotypic heterogeneity in the stargazin allelic series. *Mammalian Genome*, **2003**, 14, 506-13	3.2	25
224	Auxiliary subunits: essential components of the voltage-gated calcium channel complex. *Current Opinion in Neurobiology*, **2003**, 13, 298-307	7.6	411
223	Alpha-dystroglycan can mediate arenavirus infection in the absence of beta-dystroglycan. *Virology*, **2003**, 316, 213-20	3.6	18
222	□Dystroglycan can mediate arenavirus infection in the absence of □dystroglycan. *Virology*, **2003**, 316, 213-213	3.6	
221	Unique role of dystroglycan in peripheral nerve myelination, nodal structure, and sodium channel stabilization. *Neuron*, **2003**, 38, 747-58	13.9	208

220	Defective membrane repair in dysferlin-deficient muscular dystrophy. *Nature*, **2003**, 423, 168-72	50.4	748
219	The voltage-dependent calcium channel beta subunit contains two stable interacting domains. *Journal of Biological Chemistry*, **2003**, 278, 52323-32	5.4	68
218	Opposing roles of integrin alpha6Abeta1 and dystroglycan in laminin-mediated extracellular signal-regulated kinase activation. *Molecular Biology of the Cell*, **2003**, 14, 2088-103	3.5	61
217	Skeletal muscle basement membrane-sarcolemma-cytoskeleton interaction minireview series. *Journal of Biological Chemistry*, **2003**, 278, 12599-600	5.4	52
216	Gamma 1 subunit interactions within the skeletal muscle L-type voltage-gated calcium channels. *Journal of Biological Chemistry*, **2003**, 278, 1212-9	5.4	35
215	Gene transfer establishes primacy of striated vs. smooth muscle sarcoglycan complex in limb-girdle muscular dystrophy. *Proceedings of the National Academy of Sciences of the United States of America* , **2003**, 100, 8910-5	11.5	31
214	Cell therapy of alpha-sarcoglycan null dystrophic mice through intra-arterial delivery of mesoangioblasts. *Science*, **2003**, 301, 487-92	33.3	542
213	Modified cardiovascular L-type channels in mice lacking the voltage-dependent Ca2+ channel beta3 subunit. *Journal of Biological Chemistry*, **2003**, 278, 43261-7	5.4	40
212	Abnormal coronary function in mice deficient in alpha1H T-type Ca2+ channels. *Science*, **2003**, 302, 1416-8	33.3	286
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