Peter F M Van Der Ven

List of Publications by Year
in descending order

73 papers	3,889 citations	117571 34 h-index	128225 60 g-index
74 all docs	74 docs citations	74 times ranked	6311 citing authors

#	Article	IF	Citations
1	Structural basis for activation of the titin kinase domain during myofibrillogenesis. Nature, 1998, 395, 863-869.	13.7	333
2	A Mutation in the Dimerization Domain of Filamin C Causes a Novel Type of Autosomal Dominant Myofibrillar Myopathy. American Journal of Human Genetics, 2005, 77, 297-304.	2.6	268
3	Cellular Mechanotransduction Relies on Tension-Induced and Chaperone-Assisted Autophagy. Current Biology, 2013, 23, 430-435.	1.8	246
4	Mutations in the Human Muscle LIM Protein Gene in Families With Hypertrophic Cardiomyopathy. Circulation, 2003, 107, 1390-1395.	1.6	234
5	Myotilin, the limb-girdle muscular dystrophy 1A (LGMD1A) protein, cross-links actin filaments and controls sarcomere assembly. Human Molecular Genetics, 2003, 12, 189-203.	1.4	142
6	Characterization of muscle filamin isoforms suggests a possible role of ?-filamin/ABP-L in sarcomeric Z-disc formation. Cytoskeleton, 2000, 45, 149-162.	4.4	141
7	Clinical and morphological phenotype of the filamin myopathy: a study of 31 German patients. Brain, 2007, 130, 3250-3264.	3.7	132
8	Transient association of titin and myosin with microtubules in nascent myofibrils directed by the MURF2 RING-finger protein. Journal of Cell Science, 2002, 115, 4469-4482.	1.2	131
9	Mutations in the N-terminal Actin-Binding Domain of Filamin C Cause a Distal Myopathy. American Journal of Human Genetics, 2011, 88, 729-740.	2.6	124
10	Filamin C-related myopathies: pathology and mechanisms. Acta Neuropathologica, 2013, 125, 33-46.	3.9	106
11	Disorganization of the Desmin Cytoskeleton and Mitochondrial Dysfunction in Plectin-Related Epidermolysis Bullosa Simplex with Muscular Dystrophy. Journal of Neuropathology and Experimental Neurology, 2002, 61, 520-530.	0.9	96
12	Unusual splicing events result in distinct Xin isoforms that associate differentially with filamin c and Mena/VASP. Experimental Cell Research, 2006, 312, 2154-2167.	1.2	85
13	Xin repeats define a novel actin-binding motif. Journal of Cell Science, 2004, 117, 5257-5268.	1.2	83
14	Titin and Diaphragm Dysfunction in Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 527-534.	2.5	74
15	A Combined Laser Microdissection and Mass Spectrometry Approach Reveals New Disease Relevant Proteins Accumulating in Aggregates of Filaminopathy Patients. Molecular and Cellular Proteomics, 2013, 12, 215-227.	2.5	74
16	Pathophysiology of protein aggregation and extended phenotyping in filaminopathy. Brain, 2012, 135, 2642-2660.	3.7	70
17	Differential involvement of sarcomeric proteins in myofibrillar myopathies: a morphological and immunohistochemical study. Acta Neuropathologica, 2009, 117, 293-307.	3.9	67
18	The Limits of Promiscuity:Â Isoform-Specific Dimerization of Filaminsâ€. Biochemistry, 2003, 42, 430-439.	1.2	64

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19	The sarcomeric Z-disc component myopodin is a multiadapter protein that interacts with filamin and Î±-actinin. European Journal of Cell Biology, 2010, 89, 681-692.	1.6	62
20	Differentiation of human skeletal muscle cells in culture: maturation as indicated by titin and desmin striation. Cell and Tissue Research, 1992, 270, 189-198.	1.5	61
21	Thick filament assembly occurs after the formation of a cytoskeletal scaffold. Journal of Muscle Research and Cell Motility, 1999, 20, 569-579.	0.9	59
22	Filamin C is a highly dynamic protein associated with fast repair of myofibrillar microdamage. Human Molecular Genetics, 2016, 25, ddw135.	1.4	58
23	Decreased interactions of mutant muscle LIM protein (MLP) with N-RAP and Î±-actinin and their implication for hypertrophic cardiomyopathy. Cell and Tissue Research, 2004, 317, 129-136.	1.5	56
24	HspB1 phosphorylation regulates its intramolecular dynamics and mechanosensitive molecular chaperone interaction with filamin C. Science Advances, 2019, 5, eaav8421.	4.7	52
25	Aciculin interacts with filamin C and Xin and is essential for myofibril assembly, remodeling and maintenance. Journal of Cell Science, 2014, 127, 3578-92.	1.2	51
26	New cardiac and skeletal protein aggregate myopathy associated with combined MuRF1 and MuRF3 mutations. Human Molecular Genetics, 2015, 24, 3638-3650.	1.4	51
27	Myofibrillar instability exacerbated by acute exercise in filaminopathy. Human Molecular Genetics, 2015, 24, 7207-7220.	1.4	50
28	The pathomechanism of filaminopathy: altered biochemical properties explain the cellular phenotype of a protein aggregation myopathy. Human Molecular Genetics, 2007, 16, 1351-1358.	1.4	49
29	Statins activate the canonical hedgehog-signaling and aggravate non-cirrhotic portal hypertension, but inhibit the non-canonical hedgehog signaling and cirrhotic portal hypertension. Scientific Reports, 2015, 5, 14573.	1.6	45
30	Association of Plectin with Z-Discs Is a Prerequisite for the Formation of the Intermyofibrillar Desmin Cytoskeleton. Laboratory Investigation, 2000, 80, 455-464.	1.7	42
31	Breaking sarcomeres by in vitro exercise. Scientific Reports, 2016, 6, 19614.	1.6	40
32	Xin, an actin binding protein, is expressed within muscle satellite cells and newly regenerated skeletal muscle fibers. American Journal of Physiology - Cell Physiology, 2007, 293, C1636-C1644.	2.1	38
33	Complete loss of murine Xin results in a mild cardiac phenotype with altered distribution of intercalated discs. Cardiovascular Research, 2010, 85, 739-750.	1.8	37
34	Filamin C interacts with the muscular dystrophy KY protein and is abnormally distributed in mouse KY deficient muscle fibres. Human Molecular Genetics, 2004, 13, 2863-2874.	1.4	36
35	Myofibrillar Z-discs Are a Protein Phosphorylation Hot Spot with Protein Kinase C (PKCÎ±) Modulating Protein Dynamics. Molecular and Cellular Proteomics, 2017, 16, 346-367.	2.5	36
36	Paxillin and Ponsin Interact in Nascent Costameres of Muscle Cells. Journal of Molecular Biology, 2007, 369, 665-682.	2.0	35

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37	Xin Is a Marker of Skeletal Muscle Damage Severity in Myopathies. American Journal of Pathology, 2013, 183, 1703-1709.	1.9	35
38	Identification of Xin-repeat proteins as novel ligands of the SH3 domains of nebulin and nebulette and analysis of their interaction during myofibril formation and remodeling. Molecular Biology of the Cell, 2013, 24, 3215-3226.	0.9	35
39	Genomic structure and fine mapping of the two human filamin gene paralogues FLNB and FLNC and comparative analysis of the filamin gene family. Human Genetics, 2000, 107, 597-611.	1.8	32
40	Impairment of protein degradation in myofibrillar myopathy caused by FLNC/filamin C mutations. Autophagy, 2013, 9, 422-423.	4.3	30
41	Different early pathogenesis in myotilinopathy compared to primary desminopathy. Neuromuscular Disorders, 2006, 16, 361-367.	0.3	29
42	InÂvivo characterization of human myofibrillar myopathy genes in zebrafish. Biochemical and Biophysical Research Communications, 2015, 461, 217-223.	1.0	27
43	Paradoxical absence of M lines and downregulation of creatine kinase in mouse extraocular muscle. Journal of Applied Physiology, 2003, 95, 692-699.	1.2	26
44	Phosphoproteomics identifies dual-site phosphorylation in an extended basophilic motif regulating FILIP1-mediated degradation of filamin-C. Communications Biology, 2020, 3, 253.	2.0	25
45	Xin-repeats and Nebulin-like Repeats Bind to F-actin in a Similar Manner. Journal of Molecular Biology, 2006, 356, 714-723.	2.0	23
46	The novel cardiac z-disc protein CEFIP regulates cardiomyocyte hypertrophy by modulating calcineurin signaling. Journal of Biological Chemistry, 2017, 292, 15180-15191.	1.6	20
47	Skeletal muscle regeneration is delayed by reduction in Xin expression: consequence of impaired satellite cell activation?. American Journal of Physiology - Cell Physiology, 2012, 302, C220-C227.	2.1	19
48	Primary longitudinal adhesion structures: plectin-containing precursors of costameres in differentiating human skeletal muscle cells. Histochemistry and Cell Biology, 2002, 118, 301-310.	0.8	17
49	A new early-onset neuromuscular disorder associated with kyphoscoliosis peptidase (KY) deficiency. European Journal of Human Genetics, 2016, 24, 1771-1777.	1.4	17
50	Overexpression of human BAG3P209L in mice causes restrictive cardiomyopathy. Nature Communications, 2021, 12, 3575.	5.8	17
51	Kyphoscoliosis peptidase (KY) mutation causes a novel congenital myopathy with core targetoid defects. Acta Neuropathologica, 2016, 132, 475-478.	3.9	16
52	Homozygous expression of the myofibrillar myopathy-associated p.W2710X filamin C variant reveals major pathomechanisms of sarcomeric lesion formation. Acta Neuropathologica Communications, 2020, 8, 154.	2.4	16
53	Myopodin is an F-actin bundling protein with multiple independent actin-binding regions. Journal of Muscle Research and Cell Motility, 2013, 34, 61-69.	0.9	15
54	FLNC-Associated Myofibrillar Myopathy. Neurology: Genetics, 2021, 7, e590.	0.9	15

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55	Constitutive upregulations of titin-based signalling proteins in KY deficient muscles. Neuromuscular Disorders, 2006, 16, 437-445.	0.3	13
56	DNA sequencing errors in molecular diagnostics of filamin myopathy. Clinical Chemistry and Laboratory Medicine, 2010, 48, 1409-1414.	1.4	13
57	Sarcomeric lesions and remodeling proximal to intercalated disks in overload-induced cardiac hypertrophy. Experimental Cell Research, 2016, 348, 95-105.	1.2	12
58	Expression of sarcomeric proteins and assembly of myofibrils in the putative myofibroblast cell line BHK-21/C13. , 1998, 19, 767-775.		11
59	Expression profiles of muscle disease-associated genes and their isoforms during differentiation of cultured human skeletal muscle cells. BMC Musculoskeletal Disorders, 2012, 13, 262.	0.8	11
60	First clinical and myopathological description of a myofibrillar myopathy with congenital onset and homozygous mutation in FLNC. Human Mutation, 2020, 41, 1600-1614.	1.1	11
61	Filamins but Not Janus Kinases Are Substrates of the ASB2Î± Cullin-Ring E3 Ubiquitin Ligase in Hematopoietic Cells. PLoS ONE, 2012, 7, e43798.	1.1	10
62	Molecular basis of F-actin regulation and sarcomere assembly via myotilin. PLoS Biology, 2021, 19, e3001148.	2.6	9
63	Enrichment and terminal differentiation of striated muscle progenitors in vitro. Experimental Cell Research, 2009, 315, 2741-2751.	1.2	8
64	Nuclear localization of the zebrafish tight junction protein nagie oko. Developmental Dynamics, 2008, 237, 83-90.	0.8	7
65	Multipurpose modular lentiviral vectors for RNA interference and transgene expression. Molecular Biology Reports, 2010, 37, 2863-2870.	1.0	7
66	Recessive Mutations in SYNPO2 as a Candidate of Monogenic Nephrotic Syndrome. Kidney International Reports, 2021, 6, 472-483.	0.4	7
67	p0071, a member of the armadillo multigene family, is a constituent of sarcomeric I-bands in human skeletal muscle. Journal of Muscle Research and Cell Motility, 2000, 21, 577-586.	0.9	6
68	Ponsin interacts with Nck adapter proteins: implications for a role in cytoskeletal remodelling during differentiation of skeletal muscle cells. European Journal of Cell Biology, 2010, 89, 351-364.	1.6	5
69	Isoform-specific functions of synaptopodin-2 variants in cytoskeleton stabilization and autophagy regulation in muscle under mechanical stress. Experimental Cell Research, 2021, 408, 112865.	1.2	5
70	The p.Ala2430Val mutation in filamin C causes a "hypertrophic myofibrillar cardiomyopathy". Journal of Muscle Research and Cell Motility, 2021, 42, 381-397.	0.9	4
71	Dominant-negative effects of a novel mutation in the filamin myopathy. Neurology, 2010, 75, 2137-2138.	1.5	3
72	Cardioprotective and Vasoprotective Effects of Corticotropin-Releasing Hormone and Urocortins: Receptors and Signaling. Journal of Cardiovascular Pharmacology and Therapeutics, 2021, 26, 575-584.	1.0	3

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73	Characterization of muscle filamin isoforms suggests a possible role of Î³-filamin/ABP-L in sarcomeric Z-disc formation. , 0, .		2