

Gerhard Wiche

List of Publications by Year in descending order

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200
papers

12,899
citations

16411

64
h-index

29081

104
g-index

204
all docs

204
docs citations

204
times ranked

7419
citing authors

#	ARTICLE	IF	CITATIONS
1	Accumulation of abnormally phosphorylated τ , precedes the formation of neurofibrillary tangles in Alzheimer's disease. <i>Brain Research</i> , 1989, 477, 90-99.	1.1	790
2	Plectin deficiency results in muscular dystrophy with epidermolysis bullosa. <i>Nature Genetics</i> , 1996, 13, 450-457.	9.4	394
3	Role of plectin in cytoskeleton organization and dynamics. <i>Journal of Cell Science</i> , 1998, 111, 2477-2486.	1.2	352
4	Targeted inactivation of plectin reveals essential function in maintaining the integrity of skin, muscle, and heart's cytoarchitecture. <i>Genes and Development</i> , 1997, 11, 3143-3156.	2.7	302
5	Hedgehog Partial Agonism Drives Warburg-like Metabolism in Muscle and Brown Fat. <i>Cell</i> , 2012, 151, 414-426.	13.5	237
6	Linking Integrin β 4-based Cell Adhesion to the Intermediate Filament Cytoskeleton: Direct Interaction between the β 4 Subunit and Plectin at Multiple Molecular Sites. <i>Journal of Cell Biology</i> , 1998, 141, 209-225.	2.3	235
7	Defective expression of plectin/HD1 in epidermolysis bullosa simplex with muscular dystrophy. <i>Journal of Clinical Investigation</i> , 1996, 97, 2289-2298.	3.9	215
8	Cloning and sequencing of rat plectin indicates a 466-kD polypeptide chain with a three-domain structure based on a central alpha-helical coiled coil. <i>Journal of Cell Biology</i> , 1991, 114, 83-99.	2.3	186
9	Not just scaffolding: plectin regulates actin dynamics in cultured cells. <i>Genes and Development</i> , 1998, 12, 3442-3451.	2.7	186
10	Map1b Is Required for Axon Guidance and Is Involved in the Development of the Central and Peripheral Nervous System. <i>Journal of Cell Biology</i> , 2000, 151, 1169-1178.	2.3	182
11	Basic amino acid residue cluster within nuclear targeting sequence motif is essential for cytoplasmic plectin-vimentin network junctions. <i>Journal of Cell Biology</i> , 1996, 134, 1455-1467.	2.3	166
12	Occurrence and immunolocalization of plectin in tissues. <i>Journal of Cell Biology</i> , 1983, 97, 887-901.	2.3	165
13	TorsinA binds the KASH domain of nesprins and participates in linkage between nuclear envelope and cytoskeleton. <i>Journal of Cell Science</i> , 2008, 121, 3476-3486.	1.2	159
14	Molecular Structure and Function of Microtubule-Associated Proteins. <i>International Review of Cytology</i> , 1991, 124, 217-273.	6.2	155
15	Cytoskeleton-associated plectin: in situ localization, in vitro reconstitution, and binding to immobilized intermediate filament proteins. <i>Journal of Cell Biology</i> , 1988, 106, 723-733.	2.3	154
16	Novel Features of the Light Chain of Microtubule-associated Protein MAP1B: Microtubule Stabilization, Self Interaction, Actin Filament Binding, and Regulation by the Heavy Chain. <i>Journal of Cell Biology</i> , 1998, 143, 695-707.	2.3	148
17	Unusual 5' Transcript Complexity of Plectin Isoforms: Novel Tissue-Specific Exons Modulate Actin Binding Activity. <i>Human Molecular Genetics</i> , 1999, 8, 2461-2472.	1.4	145
18	Identification of the Cytolinker Plectin as a Major Early In Vivo Substrate for Caspase 8 during CD95- and Tumor Necrosis Factor Receptor-Mediated Apoptosis. <i>Molecular and Cellular Biology</i> , 2000, 20, 5665-5679.	1.1	144

#	ARTICLE	IF	CITATIONS
19	Plectin-controlled keratin cytoarchitecture affects MAP kinases involved in cellular stress response and migration. <i>Journal of Cell Biology</i> , 2006, 174, 557-568.	2.3	144
20	Molecular architecture and function of the hemidesmosome. <i>Cell and Tissue Research</i> , 2015, 360, 529-544.	1.5	140
21	Association of Mitochondria with Plectin and Desmin Intermediate Filaments in Striated Muscle. <i>Experimental Cell Research</i> , 1999, 252, 479-491.	1.2	139
22	Plectin 1f scaffolding at the sarcolemma of dystrophic (mdx) muscle fibers through multiple interactions with β -dystroglycan. <i>Journal of Cell Biology</i> , 2007, 176, 965-977.	2.3	138
23	Myofiber integrity depends on desmin network targeting to Z-disks and costameres via distinct plectin isoforms. <i>Journal of Cell Biology</i> , 2008, 181, 667-681.	2.3	138
24	Plectin and IFAP-300K are homologous proteins binding to microtubule-associated proteins 1 and 2 and to the 240-kilodalton subunit of spectrin.. <i>Journal of Biological Chemistry</i> , 1987, 262, 1320-1325.	1.6	136
25	Mechanosensing through focal adhesion-anchored intermediate filaments. <i>FASEB Journal</i> , 2014, 28, 715-729.	0.2	135
26	Human plectin: organization of the gene, sequence analysis, and chromosome localization (8q24).. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1996, 93, 4278-4283.	3.3	131
27	Molecular architecture and function of the hemidesmosome. <i>Cell and Tissue Research</i> , 2015, 360, 363-378.	1.5	130
28	A binding motif for Siah ubiquitin ligase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 3101-3106.	3.3	126
29	Neurofibrillary tangles in Alzheimer's disease and progressive supranuclear palsy: antigenic similarities and differences. <i>Acta Neuropathologica</i> , 1987, 74, 39-46.	3.9	124
30	Expression of plectin mutant cDNA in cultured cells indicates a role of COOH-terminal domain in intermediate filament association.. <i>Journal of Cell Biology</i> , 1993, 121, 607-619.	2.3	119
31	Plectin and IFAP-300K are homologous proteins binding to microtubule-associated proteins 1 and 2 and to the 240-kilodalton subunit of spectrin. <i>Journal of Biological Chemistry</i> , 1987, 262, 1320-5.	1.6	117
32	Role of plectin in cytoskeleton organization and dynamics. <i>Journal of Cell Science</i> , 1998, 111 (Pt 17), 2477-86.	1.2	117
33	The many faces of plectin and plectinopathies: pathology and mechanisms. <i>Acta Neuropathologica</i> , 2013, 125, 77-93.	3.9	115
34	Trichoplein/mitostatin regulates endoplasmic reticulum-mitochondria juxtaposition. <i>EMBO Reports</i> , 2010, 11, 854-860.	2.0	114
35	Plectin-intermediate filament partnership in skin, skeletal muscle, and peripheral nerve. <i>Histochemistry and Cell Biology</i> , 2013, 140, 33-53.	0.8	114
36	Plectin Transcript Diversity: Identification and Tissue Distribution of Variants with Distinct First Coding Exons and Rodless Isoforms. <i>Genomics</i> , 1997, 42, 115-125.	1.3	111

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37	A Site-Specific Plectin Mutation Causes Dominant Epidermolysis Bullosa Simplex Oigna: Two Identical De Novo Mutations. <i>Journal of Investigative Dermatology</i> , 2002, 118, 87-93.	0.3	110
38	High-Mr microtubule-associated proteins: properties and functions. <i>Biochemical Journal</i> , 1989, 259, 1-12.	1.7	109
39	Intermediate filament-associated proteins. <i>Current Opinion in Cell Biology</i> , 1991, 3, 75-81.	2.6	107
40	Plectin isoform 1b mediates mitochondrionâ€“intermediate filament network linkage and controls organelle shape. <i>Journal of Cell Biology</i> , 2008, 181, 903-911.	2.3	107
41	Keeping the Vimentin Network under Control: Cellâ€“Matrix Adhesionâ€“associated Plectin 1f Affects Cell Shape and Polarity of Fibroblasts. <i>Molecular Biology of the Cell</i> , 2010, 21, 3362-3375.	0.9	107
42	Plectin-RACK1 (Receptor for Activated C Kinase 1) Scaffolding. <i>Journal of Biological Chemistry</i> , 2004, 279, 18701-18710.	1.6	102
43	Protein kinase A- and protein kinase C-regulated interaction of plectin with lamin B and vimentin.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1991, 88, 3812-3816.	3.3	101
44	Microtubule-Associated Protein 1A (MAP1A) and MAP1B: Light Chains Determine Distinct Functional Properties. <i>Journal of Neuroscience</i> , 2002, 22, 2106-2114.	1.7	97
45	Plectin 5'-transcript diversity: short alternative sequences determine stability of gene products, initiation of translation and subcellular localization of isoforms. <i>Human Molecular Genetics</i> , 2003, 12, 3181-3194.	1.4	97
46	An Organoruthenium Anticancer Agent Shows Unexpected Target Selectivity For Plectin. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8267-8271.	7.2	97
47	Immunolocalization of the intermediate filament-associated protein plectin at focal contacts and actin stress fibers. <i>European Journal of Cell Biology</i> , 1992, 59, 138-47.	1.6	97
48	Disorganization of the Desmin Cytoskeleton and Mitochondrial Dysfunction in Plectin-Related Epidermolysis Bullosa Simplex with Muscular Dystrophy. <i>Journal of Neuropathology and Experimental Neurology</i> , 2002, 61, 520-530.	0.9	96
49	Plectin isoforms as organizers of intermediate filament cytoarchitecture. <i>Bioarchitecture</i> , 2011, 1, 14-20.	1.5	94
50	Plectin: General Overview and Appraisal of its potential Role as a Subunit Protein of the Cytomatri. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1989, 24, 41-67.	2.3	90
51	Plectin-Isoform-Specific Rescue of Hemidesmosomal Defects in Plectin (â€“/â€“) Keratinocytes. <i>Journal of Investigative Dermatology</i> , 2003, 120, 189-197.	0.3	90
52	Structure and hydrodynamic properties of plectin molecules. <i>Journal of Molecular Biology</i> , 1987, 198, 515-531.	2.0	89
53	Networking and anchoring through plectin: a key to IF functionality and mechanotransduction. <i>Current Opinion in Cell Biology</i> , 2015, 32, 21-29.	2.6	89
54	Vimentin intermediate filament and plectin provide a scaffold for invadopodia, facilitating cancer cell invasion and extravasation for metastasis. <i>European Journal of Cell Biology</i> , 2014, 93, 157-169.	1.6	88

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55	High molecular weight polypeptides (270,000-340,000) from cultured cells are related to hog brain microtubule-associated proteins but copurify with intermediate filaments.. Proceedings of the National Academy of Sciences of the United States of America, 1980, 77, 4808-4812.	3.3	84
56	Unexpected gain of function for the scaffolding protein plectin due to mislocalization in pancreatic cancer. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 19414-19419.	3.3	83
57	Identification of plectin in different human cell types and immunolocalization at epithelial basal cell surface membranes. Experimental Cell Research, 1984, 155, 43-49.	1.2	80
58	Polarisation-dependent association of plectin with desmoplakin and the lateral submembrane skeleton in MDCK cells. Journal of Cell Science, 1997, 110, 1307-1316.	1.2	74
59	Plectin: A Cytolinker by Design. Biological Chemistry, 1999, 380, 151-158.	1.2	73
60	Cytoplasmic network arrays demonstrated by immunolocalization using antibodies to a high molecular weight protein present in cytoskeletal preparations from cultured cells*1. Experimental Cell Research, 1982, 138, 15-29.	1.2	70
61	Chemical chaperone ameliorates pathological protein aggregation in plectin-deficient muscle. Journal of Clinical Investigation, 2014, 124, 1144-1157.	3.9	70
62	Plectin Regulates the Organization of Glial Fibrillary Acidic Protein in Alexander Disease. American Journal of Pathology, 2006, 168, 888-897.	1.9	68
63	Distribution of plectin, an intermediate filament-associated protein, in the adult rat central nervous system. Journal of Neuroscience Research, 1994, 37, 515-528.	1.3	67
64	Differences in the distribution of synemin, paranemin, and plectin in skeletal muscles of wild-type and desmin knock-out mice. Histochemistry and Cell Biology, 2000, 114, 39-47.	0.8	64
65	5â€™ Trans-Splicing Repair of the PLEC1 Gene. Journal of Investigative Dermatology, 2008, 128, 568-574.	0.3	64
66	Dose-dependent linkage, assembly inhibition and disassembly of vimentin and cytoke ratin 5/14 filaments through plectinâ€™s intermediate filament-binding domain. Journal of Cell Science, 2000, 113, 483-491.	1.2	64
67	Plectin: A High-molecular-weight Cytoskeletal Polypeptide Component That Copurifies with Intermediate Filaments of the Vimentin Type. Cold Spring Harbor Symposia on Quantitative Biology, 1982, 46, 475-482.	2.0	63
68	Differential distribution of microtubule-associated proteins MAP-1 and MAP-2 in neurons of rat brain and association of MAP-1 with microtubules of neuroblastoma cells (clone N2A).. EMBO Journal, 1983, 2, 1915-1920.	3.5	61
69	Distribution and Ultrastructure of Plectin Arrays in Subclones of Rat Glioma C6 Cells Differing in Intermediate Filament Protein (Vimentin) Expression. Journal of Structural Biology, 1995, 115, 304-317.	1.3	60
70	Plectin defects in epidermolysis bullosa simplex with muscular dystrophy. Muscle and Nerve, 2007, 35, 24-35.	1.0	60
71	Plectin reinforces vascular integrity by mediating vimentin-actin network crosstalk. Journal of Cell Science, 2015, 128, 4138-50.	1.2	60
72	Widespread occurrence of polypeptides related to neurotubule-associated proteins (MAP-1 and MAP-2) in non-neuronal cells and tissues.. EMBO Journal, 1984, 3, 991-998.	3.5	59

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73	Immunogold Localisation of the Intermediate Chain within the Protein Complex of Cytoplasmic Dynein. <i>Journal of Structural Biology</i> , 1996, 117, 227-235.	1.3	59
74	Plectin scaffolds recruit energy-controlling AMP-activated protein kinase (AMPK) in differentiated myofibres. <i>Journal of Cell Science</i> , 2006, 119, 1864-1875.	1.2	59
75	Crystal structure of a tandem pair of fibronectin type III domains from the cytoplasmic tail of integrin alpha 6beta 4. <i>EMBO Journal</i> , 1999, 18, 4087-4095.	3.5	57
76	Specific in situ phosphorylation of plectin in detergent-resistant cytoskeletons from cultured Chinese hamster ovary cells.. <i>Journal of Biological Chemistry</i> , 1983, 258, 14610-14618.	1.6	56
77	Actin-binding domain of mouse plectin. Crystal structure and binding to vimentin. <i>FEBS Journal</i> , 2004, 271, 1873-1884.	0.2	55
78	Targeted Proteolysis of Plectin Isoform 1a Accounts for Hemidesmosome Dysfunction in Mice Mimicking the Dominant Skin Blistering Disease EBS-Ogna. <i>PLoS Genetics</i> , 2011, 7, e1002396.	1.5	55
79	High-molecular-weight microtubule associated proteins (MAPS): a ubiquitous family of cytoskeletal connecting links. <i>Trends in Biochemical Sciences</i> , 1985, 10, 67-70.	3.7	54
80	Effects of DNA on Microtubule Assembly. <i>FEBS Journal</i> , 1980, 105, 7-16.	0.2	53
81	Monoclonal antibody mapping of structural and functional plectin epitopes.. <i>Journal of Cell Biology</i> , 1991, 112, 397-405.	2.3	53
82	Keratins Stabilize Hemidesmosomes through Regulation of β 4-Integrin Turnover. <i>Journal of Investigative Dermatology</i> , 2015, 135, 1609-1620.	0.3	52
83	Microheterogeneity of microtubule-associated proteins, MAP-1 and MAP-2, and differential phosphorylation of individual subcomponents.. <i>Journal of Biological Chemistry</i> , 1985, 260, 5797-5803.	1.6	52
84	Identification of two distinct microtubule binding domains on recombinant rat MAP 1B. <i>European Journal of Cell Biology</i> , 1992, 57, 66-74.	1.6	52
85	M-phase-specific phosphorylation and structural rearrangement of the cytoplasmic cross-linking protein plectin involve p34cdc2 kinase.. <i>Molecular Biology of the Cell</i> , 1996, 7, 273-288.	0.9	51
86	A Compound Heterozygous One Amino-Acid Insertion/Nonsense Mutation in the Plectin Gene Causes Epidermolysis Bullosa Simplex with Plectin Deficiency. <i>American Journal of Pathology</i> , 2001, 158, 617-625.	1.9	51
87	Aciculin interacts with filamin C and Xin and is essential for myofibril assembly, remodeling and maintenance. <i>Journal of Cell Science</i> , 2014, 127, 3578-92.	1.2	51
88	Preferential binding of hog brain microtubule-associated proteins to mouse satellite versus bulk DNA preparations. <i>Nature</i> , 1978, 273, 403-405.	13.7	50
89	Mutation in exon 1a of PLEC, leading to disruption of plectin isoform 1a, causes autosomal-recessive skin-only epidermolysis bullosa simplex. <i>Human Molecular Genetics</i> , 2015, 24, 3155-3162.	1.4	50
90	Plectin Gene Defects Lead to Various Forms of Epidermolysis Bullosa Simplex. <i>Dermatologic Clinics</i> , 2010, 28, 33-41.	1.0	49

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91	Conditional targeting of plectin in prenatal and adult mouse stratified epithelia causes keratinocyte fragility and lesional epidermal barrier defects. <i>Journal of Cell Science</i> , 2007, 120, 2435-2443.	1.2	48
92	Plectin isoform P1b and P1d deficiencies differentially affect mitochondrial morphology and function in skeletal muscle. <i>Human Molecular Genetics</i> , 2015, 24, 4530-4544.	1.4	48
93	A panel of monoclonal antibodies to rat plectin: Distinction by epitope mapping and immunoreactivity with different tissues and cell lines. <i>Acta Histochemica</i> , 1994, 96, 421-438.	0.9	47
94	Targeted ablation of plectin isoform 1 uncovers role of cytolinker proteins in leukocyte recruitment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 18449-18454.	3.3	47
95	Plectin contributes to mechanical properties of living cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 296, C868-C877.	2.1	45
96	Plectin Isoform-dependent Regulation of Keratin-Integrin $\beta 4$ Anchorage via Ca^{2+} /Calmodulin. <i>Journal of Biological Chemistry</i> , 2009, 284, 18525-18536.	1.6	44
97	Plectin from bovine lenses. Chemical properties, structural analysis and initial identification of interaction partners. <i>FEBS Journal</i> , 1987, 169, 41-52.	0.2	43
98	Recessive epidermolysis bullosa simplex associated with plectin mutations: infantile respiratory complications in two unrelated cases. <i>British Journal of Dermatology</i> , 1997, 137, 898-906.	1.4	43
99	Specific in situ phosphorylation of plectin in detergent-resistant cytoskeletons from cultured Chinese hamster ovary cells. <i>Journal of Biological Chemistry</i> , 1983, 258, 14610-8.	1.6	43
100	Reversible in vitro polymerization of tubulin from a cultured cell line (rat glial cell clone C6).. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1976, 73, 1227-1231.	3.3	42
101	Intermediate filament-associated cytolinker plectin 1c destabilizes microtubules in keratinocytes. <i>Molecular Biology of the Cell</i> , 2013, 24, 768-784.	0.9	42
102	Direct binding of plectin to Fer kinase and negative regulation of its catalytic activity. <i>Biochemical and Biophysical Research Communications</i> , 2002, 296, 904-910.	1.0	41
103	High-pressure freezing of epithelial cells on sapphire coverslips. <i>Journal of Microscopy</i> , 2004, 213, 81-85.	0.8	40
104	Microheterogeneity of microtubule-associated proteins, MAP-1 and MAP-2, and differential phosphorylation of individual subcomponents. <i>Journal of Biological Chemistry</i> , 1985, 260, 5797-803.	1.6	40
105	Epidermolysis Bullosa Simplex Associated with Severe Mucous Membrane Involvement and Novel Mutations in the Plectin Gene. <i>Journal of Investigative Dermatology</i> , 2000, 114, 376-380.	0.3	39
106	Oxidation and Nitrosylation of Cysteines Proximal to the Intermediate Filament (IF)-binding Site of Plectin. <i>Journal of Biological Chemistry</i> , 2007, 282, 8175-8187.	1.6	39
107	The Mouse and Rat MAP1B Genes: Genomic Organization and Alternative Transcription. <i>Genomics</i> , 1998, 49, 430-436.	1.3	38
108	Plectin isoform 1-dependent nuclear docking of desmin networks affects myonuclear architecture and expression of mechanotransducers. <i>Human Molecular Genetics</i> , 2015, 24, 7373-7389.	1.4	38

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109	Silencing GFAP isoforms in astrocytoma cells disturbs laminin-dependent motility and cell adhesion. <i>FASEB Journal</i> , 2014, 28, 2942-2954.	0.2	37
110	The cytolinker plectin regulates nuclear mechanotransduction in keratinocytes. <i>Journal of Cell Science</i> , 2015, 128, 4475-86.	1.2	37
111	Identification of Plectin as a Substrate of p34 Kinase and Mapping of a Single Phosphorylation Site. <i>Journal of Biological Chemistry</i> , 1996, 271, 8203-8208.	1.6	36
112	Plectin deficiency affects precursor formation and dynamics of vimentin networks. <i>Experimental Cell Research</i> , 2008, 314, 3570-3580.	1.2	36
113	Identification and spatial arrangement of high molecular weight proteins (Mr 300 000-330 000) co-assembling with microtubules from a cultured cell line (rat glioma C6). <i>European Journal of Cell Biology</i> , 1985, 38, 149-56.	1.6	36
114	Plectin repeats and modules: strategic cysteines and their presumed impact on cytolinker functions. <i>BioEssays</i> , 2001, 23, 1064-1069.	1.2	35
115	Neuromuscular synapse integrity requires linkage of acetylcholine receptors to postsynaptic intermediate filament networks via rapsyn-plectin 1f complexes. <i>Molecular Biology of the Cell</i> , 2014, 25, 4130-4149.	0.9	34
116	Determining the mechanical properties of plectin in mouse myoblasts and keratinocytes. <i>Experimental Cell Research</i> , 2015, 331, 331-337.	1.2	34
117	Plectin abnormality in epidermolysis bullosa simplex Ogna: non-responsiveness of basal keratinocytes to some anti-rat plectin antibodies. <i>Experimental Dermatology</i> , 1997, 6, 41-48.	1.4	33
118	Epiplakin Gene Analysis in Mouse Reveals a Single Exon Encoding a 725-kDa Protein with Expression Restricted to Epithelial Tissues. <i>Journal of Biological Chemistry</i> , 2003, 278, 31657-31666.	1.6	33
119	Plectin. <i>Methods in Cell Biology</i> , 2004, 78, 721-755.	0.5	32
120	The Diversity of Intermediate Filaments in Astrocytes. <i>Cells</i> , 2020, 9, 1604.	1.8	32
121	Targeted Inactivation of a Developmentally Regulated Neural Plectin Isoform (Plectin 1c) in Mice Leads to Reduced Motor Nerve Conduction Velocity. <i>Journal of Biological Chemistry</i> , 2009, 284, 26502-26509.	1.6	31
122	Competence of soluble cell extracts as microtubule assembly systems. Comparison of simian virus 40 transformed and nontransformed mouse 3T3 fibroblasts. <i>Journal of Biological Chemistry</i> , 1977, 252, 794-796.	1.6	30
123	Morphological integrity of single adult cardiac myocytes isolated by collagenase treatment: immunolocalization of tubulin, microtubule-associated proteins 1 and 2, plectin, vimentin, and vinculin. <i>European Journal of Cell Biology</i> , 1985, 38, 113-22.	1.6	30
124	Epiplakin Is Dispensable for Skin Barrier Function and for Integrity of Keratin Network Cytoarchitecture in Simple and Stratified Epithelia. <i>Molecular and Cellular Biology</i> , 2006, 26, 559-568.	1.1	28
125	Structural Insights into Ca ²⁺ -Calmodulin Regulation of Plectin 1a-Integrin β 4 Interaction in Hemidesmosomes. <i>Structure</i> , 2015, 23, 558-570.	1.6	28
126	Stabilization of the dystroglycan complex in Cajal bands of myelinating Schwann cells through plectin-mediated anchorage to vimentin filaments. <i>Glia</i> , 2013, 61, 1274-1287.	2.5	27

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127	InÂvivo characterization of human myofibrillar myopathy genes in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2015, 461, 217-223.	1.0	27
128	Plectin-mediated cytoskeletal crosstalk controls cell tension and cohesion in epithelial sheets. <i>Journal of Cell Biology</i> , 2022, 221, .	2.3	26
129	Competence of soluble cell extracts as microtubule assembly systems. Comparison of simian virus 40 transformed and nontransformed mouse 3T3 fibroblasts. <i>Journal of Biological Chemistry</i> , 1977, 252, 794-6.	1.6	26
130	Dose-dependent linkage, assembly inhibition and disassembly of vimentin and cytokeratin 5/14 filaments through plectin's intermediate filament-binding domain. <i>Journal of Cell Science</i> , 2000, 113 (Pt 3), 483-91.	1.2	26
131	Recessive epidermolysis bullosa simplex associated with plectin mutations: infantile respiratory complications in two unrelated cases. <i>British Journal of Dermatology</i> , 1997, 137, 898-906.	1.4	25
132	Chapter 10 High-Pressure Freezing and Low-Temperature Fixation of Cell Monolayers Grown on Sapphire Coverslips. <i>Methods in Cell Biology</i> , 2008, 88, 165-180.	0.5	25
133	BPAG1 isoform-b: Complex distribution pattern in striated and heart muscle and association with plectin and Î±-actinin. <i>Experimental Cell Research</i> , 2010, 316, 297-313.	1.2	25
134	Polarisation-dependent association of plectin with desmoplakin and the lateral submembrane skeleton in MDCK cells. <i>Journal of Cell Science</i> , 1997, 110 (Pt 11), 1307-16.	1.2	25
135	Linking cytoarchitecture to metabolism: sarcolemma-associated plectin affects glucose uptake by destabilizing microtubule networks in mdx myofibers. <i>Skeletal Muscle</i> , 2013, 3, 14.	1.9	24
136	Differential distribution of microtubule-associated proteins MAP-1 and MAP-2 in neurons of rat brain and association of MAP-1 with microtubules of neuroblastoma cells (clone N2A). <i>EMBO Journal</i> , 1983, 2, 1915-20.	3.5	24
137	Severe mucous membrane involvement in epidermolysis bullosa simplex with muscular dystrophy due to a novel plectin gene mutation. <i>European Journal of Pediatrics</i> , 2004, 163, 218-222.	1.3	23
138	Polymerising ability of C6 glial cell microtubule protein decays much faster than its colchicine-binding activity. <i>Nature</i> , 1977, 269, 435-436.	13.7	21
139	FIP-2, an Î²-Kinase-Î³-Related Protein, Is Associated with the Golgi Apparatus and Translocates to the Marginal Band during Chicken Erythroblast Differentiation. <i>Experimental Cell Research</i> , 2002, 278, 133-145.	1.2	21
140	Stress-induced recruitment of epiplakin to keratin networks increases their resistance to hyperphosphorylation-induced disruption. <i>Journal of Cell Science</i> , 2008, 121, 825-833.	1.2	21
141	Plectin controls biliary tree architecture and stability in cholestasis. <i>Journal of Hepatology</i> , 2018, 68, 1006-1017.	1.8	21
142	Widespread occurrence of polypeptides related to neurotubule-associated proteins (MAP-1 and MAP-2) in non-neuronal cells and tissues. <i>EMBO Journal</i> , 1984, 3, 991-8.	3.5	21
143	Immunolocalization and molecular properties of a high molecular weight microtubule-bundling protein (syncolin) from chicken erythrocytes.. <i>Journal of Cell Biology</i> , 1991, 112, 689-699.	2.3	19
144	Structural homology of microtubule-associated proteins 1 and 2 demonstrated by peptide mapping and immunoreactivity.. <i>Journal of Biological Chemistry</i> , 1984, 259, 612-617.	1.6	19

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145	Plectin. <i>Methods in Cell Biology</i> , 2004, 78, 721-55.	0.5	19
146	In Vitro Synthesis of Mouse Neuroblastoma Tubulin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1974, 71, 1446-1450.	3.3	18
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