

Gerhard Wiche

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

198
papers

11,020
citations

61
h-index

97
g-index

204
ext. papers

11,869
ext. citations

6.4
avg, IF

5.94
L-index

#	Paper	IF	Citations
198	Plectin-mediated cytoskeletal crosstalk controls cell tension and cohesion in epithelial sheets.. <i>Journal of Cell Biology</i> , 2022 , 221,	7.3	1
197	Plectin ensures intestinal epithelial integrity and protects colon against colitis. <i>Mucosal Immunology</i> , 2021 , 14, 691-702	9.2	7
196	Plectin dysfunction in neurons leads to tau accumulation on microtubules affecting neuritogenesis, organelle trafficking, pain sensitivity and memory. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 73-95	5.2	4
195	Plectin-related scapulo-peroneal myopathy with treatment-responsive myasthenic syndrome. <i>Neuropathology and Applied Neurobiology</i> , 2021 , 47, 352-356	5.2	2
194	246th ENMC International Workshop: Protein aggregate myopathies 24-26 May 2019, Hoofddorp, The Netherlands. <i>Neuromuscular Disorders</i> , 2021 , 31, 158-166	2.9	0
193	Cytoskeleton Intermediate Filament Linker Proteins: Plectin and BPAG1 2021 , 200-219		
192	Plectin-Mediated Intermediate Filament Functions: Why Isoforms Matter. <i>Cells</i> , 2021 , 10,	7.9	1
191	The Diversity of Intermediate Filaments in Astrocytes. <i>Cells</i> , 2020 , 9,	7.9	9
190	Plectin controls biliary tree architecture and stability in cholestasis. <i>Journal of Hepatology</i> , 2018 , 68, 1006-1017	10.13	13
189	An Organoruthenium Anticancer Agent Shows Unexpected Target Selectivity For Plectin. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8267-8271	16.4	71
188	Innenrücktitelbild: Ein Organoruthenium-Tumorthapeutikum mit unerwartet hoher Selektivität für Plectin (Angew. Chem. 28/2017). <i>Angewandte Chemie</i> , 2017 , 129, 8415-8415	3.6	
187	Ein Organoruthenium-Tumorthapeutikum mit unerwartet hoher Selektivität für Plectin. <i>Angewandte Chemie</i> , 2017 , 129, 8379-8383	3.6	11
186	Functional and Genetic Analysis of Plectin in Skin and Muscle. <i>Methods in Enzymology</i> , 2016 , 569, 235-59	1.7	12
185	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, 3155-82	5.6	34
184	Networking and anchoring through plectin: a key to IF functionality and mechanotransduction. <i>Current Opinion in Cell Biology</i> , 2015 , 32, 21-9	9	74
183	Structural insights into Ca ²⁺ -calmodulin regulation of Plectin 1a-integrin β interaction in hemidesmosomes. <i>Structure</i> , 2015 , 23, 558-570	5.2	23
182	Molecular architecture and function of the hemidesmosome. <i>Cell and Tissue Research</i> , 2015 , 360, 529-44	4.2	97

181	In vivo characterization of human myofibrillar myopathy genes in zebrafish. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 461, 217-23	3.4	20
180	Plectin reinforces vascular integrity by mediating crosstalk between the vimentin and the actin networks. <i>Journal of Cell Science</i> , 2015 , 128, 4138-50	5.3	40
179	The cytolinker plectin regulates nuclear mechanotransduction in keratinocytes. <i>Journal of Cell Science</i> , 2015 , 128, 4475-86	5.3	30
178	Plectin isoform P1b and P1d deficiencies differentially affect mitochondrial morphology and function in skeletal muscle. <i>Human Molecular Genetics</i> , 2015 , 24, 4530-44	5.6	33
177	Schwann Cell Expressed Nogo-B Modulates Axonal Branching of Adult Sensory Neurons Through the Nogo-B Receptor NgBR. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 454	6.1	9
176	Epiplakin attenuates experimental mouse liver injury by chaperoning keratin reorganization. <i>Journal of Hepatology</i> , 2015 , 62, 1357-66	13.4	13
175	Plectin isoform 1-dependent nuclear docking of desmin networks affects myonuclear architecture and expression of mechanotransducers. <i>Human Molecular Genetics</i> , 2015 , 24, 7373-89	5.6	25
174	Determining the mechanical properties of plectin in mouse myoblasts and keratinocytes. <i>Experimental Cell Research</i> , 2015 , 331, 331-7	4.2	25
173	Keratins Stabilize Hemidesmosomes through Regulation of β -Integrin Turnover. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 1609-1620	4.3	43
172	Molecular architecture and function of the hemidesmosome. <i>Cell and Tissue Research</i> , 2015 , 360, 363-78	4.2	57
171	Plectin reinforces vascular integrity by mediating crosstalk between the vimentin and the actin networks. <i>Development (Cambridge)</i> , 2015 , 142, e1.1-e1.1	6.6	2
170	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, 4130-49	3.5	21
169	Silencing GFAP isoforms in astrocytoma cells disturbs laminin-dependent motility and cell adhesion. <i>FASEB Journal</i> , 2014 , 28, 2942-54	0.9	29
168	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, 157-69	6.1	66
167	Epiplakin deficiency aggravates murine caerulein-induced acute pancreatitis and favors the formation of acinar keratin granules. <i>PLoS ONE</i> , 2014 , 9, e108323	3.7	7
166	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	5.3	36
165	Mechanosensing through focal adhesion-anchored intermediate filaments. <i>FASEB Journal</i> , 2014 , 28, 7152-9	2.9	106
164	Chemical chaperone ameliorates pathological protein aggregation in plectin-deficient muscle. <i>Journal of Clinical Investigation</i> , 2014 , 124, 1144-57	15.9	57

163	Linking cytoarchitecture to metabolism: sarcolemma-associated plectin affects glucose uptake by destabilizing microtubule networks in mdx myofibers. <i>Skeletal Muscle</i> , 2013 , 3, 14	5.1	22
162	Plectin-intermediate filament partnership in skin, skeletal muscle, and peripheral nerve. <i>Histochemistry and Cell Biology</i> , 2013 , 140, 33-53	2.4	81
161	The many faces of plectin and plectinopathies: pathology and mechanisms. <i>Acta Neuropathologica</i> , 2013 , 125, 77-93	14.3	99
160	Intermediate filament-associated cytolinker plectin 1c destabilizes microtubules in keratinocytes. <i>Molecular Biology of the Cell</i> , 2013 , 24, 768-84	3.5	38
159	Stabilization of the dystroglycan complex in Cajal bands of myelinating Schwann cells through plectin-mediated anchorage to vimentin filaments. <i>Glia</i> , 2013 , 61, 1274-87	9	20
158	Unexpected gain of function for the scaffolding protein plectin due to mislocalization in pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19414-19	11.5	69
157	Intermediate Filament Linker Proteins: Plectin and BPAG1 2013 , 624-630		
156	Fused in sarcoma (FUS) interacts with the cytolinker protein plectin: implications for FUS subcellular localization and function. <i>Experimental Cell Research</i> , 2012 , 318, 653-61	4.2	9
155	Hedgehog partial agonism drives Warburg-like metabolism in muscle and brown fat. <i>Cell</i> , 2012 , 151, 414-26	4.2	191
154	Plectin isoforms as organizers of intermediate filament cytoarchitecture. <i>Bioarchitecture</i> , 2011 , 1, 14-20		81
153	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	6	47
152	Trichoplein/mitostatin regulates endoplasmic reticulum-mitochondria juxtaposition. <i>EMBO Reports</i> , 2010 , 11, 854-60	6.5	100
151	Keeping the vimentin network under control: cell-matrix adhesion-associated plectin 1f affects cell shape and polarity of fibroblasts. <i>Molecular Biology of the Cell</i> , 2010 , 21, 3362-75	3.5	89
150	Plectin gene defects lead to various forms of epidermolysis bullosa simplex. <i>Dermatologic Clinics</i> , 2010 , 28, 33-41	4.2	44
149	BPAG1 isoform-b: complex distribution pattern in striated and heart muscle and association with plectin and alpha-actinin. <i>Experimental Cell Research</i> , 2010 , 316, 297-313	4.2	16
148	Plectin isoform-dependent regulation of keratin-integrin alpha6beta4 anchorage via Ca ²⁺ /calmodulin. <i>Journal of Biological Chemistry</i> , 2009 , 284, 18525-36	5.4	41
147	Plectin contributes to mechanical properties of living cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009 , 296, C868-77	5.4	35
146	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, 26502-9	5.4	25

145	5Strans-splicing repair of the PLEC1 gene. <i>Journal of Investigative Dermatology</i> , 2008 , 128, 568-74	4.3	55
144	Plectin deficiency affects precursor formation and dynamics of vimentin networks. <i>Experimental Cell Research</i> , 2008 , 314, 3570-80	4.2	32
143	Plectin isoform 1b mediates mitochondrion-intermediate filament network linkage and controls organelle shape. <i>Journal of Cell Biology</i> , 2008 , 181, 903-11	7.3	85
142	TorsinA binds the KASH domain of nesprins and participates in linkage between nuclear envelope and cytoskeleton. <i>Journal of Cell Science</i> , 2008 , 121, 3476-86	5.3	137
141	High-pressure freezing and low-temperature fixation of cell monolayers grown on sapphire coverslips. <i>Methods in Cell Biology</i> , 2008 , 88, 165-80	1.8	10
140	Stress-induced recruitment of epiplakin to keratin networks increases their resistance to hyperphosphorylation-induced disruption. <i>Journal of Cell Science</i> , 2008 , 121, 825-33	5.3	18
139	Myofiber integrity depends on desmin network targeting to Z-disks and costameres via distinct plectin isoforms. <i>Journal of Cell Biology</i> , 2008 , 181, 667-81	7.3	119
138	Rapid microwave fixation of cell monolayers preserves microtubule-associated cell structures. <i>Journal of Histochemistry and Cytochemistry</i> , 2008 , 56, 697-709	3.4	14
137	Muscular integrity--a matter of interlinking distinct structures via plectin. <i>Advances in Experimental Medicine and Biology</i> , 2008 , 642, 165-75	3.6	13
136	Plectin defects in epidermolysis bullosa simplex with muscular dystrophy. <i>Muscle and Nerve</i> , 2007 , 35, 24-35	3.4	54
135	Ferritin associates with marginal band microtubules. <i>Experimental Cell Research</i> , 2007 , 313, 1602-14	4.2	11
134	Plectin 1f scaffolding at the sarcolemma of dystrophic (mdx) muscle fibers through multiple interactions with beta-dystroglycan. <i>Journal of Cell Biology</i> , 2007 , 176, 965-77	7.3	124
133	Oxidation and nitrosylation of cysteines proximal to the intermediate filament (IF)-binding site of plectin: effects on structure and vimentin binding and involvement in IF collapse. <i>Journal of Biological Chemistry</i> , 2007 , 282, 8175-87	5.4	31
132	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, 2435-43	5.3	41
131	Plectin-controlled keratin cytoarchitecture affects MAP kinases involved in cellular stress response and migration. <i>Journal of Cell Biology</i> , 2006 , 174, 557-68	7.3	129
130	Plectin scaffolds recruit energy-controlling AMP-activated protein kinase (AMPK) in differentiated myofibres. <i>Journal of Cell Science</i> , 2006 , 119, 1864-75	5.3	54
129	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, 559-68	4.8	24
128	Plectin regulates the organization of glial fibrillary acidic protein in Alexander disease. <i>American Journal of Pathology</i> , 2006 , 168, 888-97	5.8	61

127	Overlap of the gene encoding the novel poly(ADP-ribose) polymerase Parp10 with the plectin 1 gene and common use of exon sequences. <i>Genomics</i> , 2005 , 86, 38-46	4.3	5
126	Plectin rodless isoform expression and its detection in mouse brain. <i>Cellular and Molecular Neurobiology</i> , 2005 , 25, 1141-50	4.6	10
125	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, 18449-54	11.5	43
124	Plectin-RACK1 (receptor for activated C kinase 1) scaffolding: a novel mechanism to regulate protein kinase C activity. <i>Journal of Biological Chemistry</i> , 2004 , 279, 18701-10	5.4	90
123	Life-long course and molecular characterization of the original Dutch family with epidermolysis bullosa simplex with muscular dystrophy due to a homozygous novel plectin point mutation. <i>Acta Dermato-Venereologica</i> , 2004 , 84, 124-31	2.2	13
122	Actin-binding domain of mouse plectin. Crystal structure and binding to vimentin. <i>FEBS Journal</i> , 2004 , 271, 1873-84		51
121	High-pressure freezing of epithelial cells on sapphire coverslips. <i>Journal of Microscopy</i> , 2004 , 213, 81-5	1.9	35
120	High-pressure cryoimmobilization of murine skin reveals novel structural features and prevents extraction artifacts. <i>Experimental Dermatology</i> , 2004 , 13, 419-25	4	15
119	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, 218-22	4.1	18
118	Plectin. <i>Methods in Cell Biology</i> , 2004 , 78, 721-755	1.8	30
117	Intermediate Filament Linker Proteins: Plectin and BPAG1 2004 , 452-457		
116	Plectin. <i>Methods in Cell Biology</i> , 2004 , 78, 721-55	1.8	18
115	Cryofixation of epithelial cells grown on sapphire coverslips by impact freezing. <i>Journal of Microscopy</i> , 2003 , 209, 76-80	1.9	4
114	Plectin-isoform-specific rescue of hemidesmosomal defects in plectin (-/-) keratinocytes. <i>Journal of Investigative Dermatology</i> , 2003 , 120, 189-97	4.3	78
113	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, 31657-66	5.4	28
112	Plectin 5Stranscript diversity: short alternative sequences determine stability of gene products, initiation of translation and subcellular localization of isoforms. <i>Human Molecular Genetics</i> , 2003 , 12, 3181-94	5.6	82
111	A binding motif for Siah ubiquitin ligase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 3101-6	11.5	111
110	Microtubule-associated protein 1A (MAP1A) and MAP1B: light chains determine distinct functional properties. <i>Journal of Neuroscience</i> , 2002 , 22, 2106-14	6.6	82

109	Plectin-like proteins are present in cells of <i>Chlamydomonas eugametos</i> (Volvocales). <i>Folia Microbiologica</i> , 2002 , 47, 535-9	2.8	0
108	A site-specific plectin mutation causes dominant epidermolysis bullosa simplex Ogna: two identical de novo mutations. <i>Journal of Investigative Dermatology</i> , 2002 , 118, 87-93	4.3	92
107	Purification, crystallization and preliminary X-ray analysis of the plectin actin-binding domain. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2002 , 58, 1368-70		4
106	Primary longitudinal adhesion structures: plectin-containing precursors of costameres in differentiating human skeletal muscle cells. <i>Histochemistry and Cell Biology</i> , 2002 , 118, 301-10	2.4	15
105	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, 520-30	3.1	79
104	FIP-2, an I κ B-kinase-gamma-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, 133-45	4.2	20
103	Direct binding of plectin to Fer kinase and negative regulation of its catalytic activity. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 296, 904-10	3.4	37
102	Plectin repeats and modules: strategic cysteines and their presumed impact on cytolinker functions. <i>BioEssays</i> , 2001 , 23, 1064-9	4.1	31
101	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, 617-25	5.8	46
100	Mutation reports: epidermolysis bullosa simplex associated with severe mucous membrane involvement and novel mutations in the plectin gene. <i>Journal of Investigative Dermatology</i> , 2000 , 114, 376-80	4.3	32
99	Differences in the distribution of synemin, paranemin, and plectin in skeletal muscles of wild-type and desmin knock-out mice. <i>Histochemistry and Cell Biology</i> , 2000 , 114, 39-47	2.4	62
98	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, 5665-74	4.8	136
97	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, 1169-78	7.3	154
96	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, 483-491	5.3	58
95	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	5.3	26
94	Unusual 5S transcript complexity of plectin isoforms: novel tissue-specific exons modulate actin binding activity. <i>Human Molecular Genetics</i> , 1999 , 8, 2461-72	5.6	129
93	Plectin: a cytolinker by design. <i>Biological Chemistry</i> , 1999 , 380, 151-8	4.5	57
92	Crystal structure of a tandem pair of fibronectin type III domains from the cytoplasmic tail of integrin α 6 β 4. <i>EMBO Journal</i> , 1999 , 18, 4087-95	13	47

91	Expression of plectin and HD1 epitopes in patients with epidermolysis bullosa simplex associated with muscular dystrophy. <i>Archives of Dermatological Research</i> , 1999 , 291, 531-7	3.3	13
90	Conserved domains and lack of evidence for polyglutamine length polymorphism in the chicken homolog of the Machado-Joseph disease gene product ataxin-3. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999 , 1444, 299-305		5
89	Analysis of the mouse MAP1B gene identifies a highly conserved 4.3 kb 3' untranslated region and provides evidence against the proposed structure of DBI-1 cDNA. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999 , 1445, 345-50		7
88	A 45 amino acid residue domain necessary and sufficient for proteolytic cleavage of the MAP1B polyprotein precursor. <i>FEBS Letters</i> , 1999 , 451, 15-8	3.8	14
87	Association of mitochondria with plectin and desmin intermediate filaments in striated muscle. <i>Experimental Cell Research</i> , 1999 , 252, 479-91	4.2	127
86	Evidence against structural and functional identity of microtubule-associated protein 1B and proteoglycan claustrin. <i>FEBS Letters</i> , 1998 , 423, 254-8	3.8	10
85	The mouse and rat MAP1B genes: genomic organization and alternative transcription. <i>Genomics</i> , 1998 , 49, 430-6	4.3	36
84	Linking integrin alpha6beta4-based cell adhesion to the intermediate filament cytoskeleton: direct interaction between the beta4 subunit and plectin at multiple molecular sites. <i>Journal of Cell Biology</i> , 1998 , 141, 209-25	7.3	228
83	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	7.3	131
82	Not just scaffolding: plectin regulates actin dynamics in cultured cells. <i>Genes and Development</i> , 1998 , 12, 3442-51	12.6	166
81	Domain structure and transcript diversity of plectin. <i>Biological Bulletin</i> , 1998 , 194, 381-2; discussion 383	1.5	7
80	Role of plectin in cytoskeleton organization and dynamics. <i>Journal of Cell Science</i> , 1998 , 111, 2477-2486	5.3	305
79	Role of plectin in cytoskeleton organization and dynamics. <i>Journal of Cell Science</i> , 1998 , 111 (Pt 17), 2477-86	5.3	116
78	Targeted inactivation of plectin reveals essential function in maintaining the integrity of skin, muscle, and heart cytoarchitecture. <i>Genes and Development</i> , 1997 , 11, 3143-56	12.6	261
77	Plectin transcript diversity: identification and tissue distribution of variants with distinct first coding exons and rodless isoforms. <i>Genomics</i> , 1997 , 42, 115-25	4.3	106
76	Plectin abnormality in epidermolysis bullosa simplex Ogna: non-responsiveness of basal keratinocytes to some anti-rat plectin antibodies. <i>Experimental Dermatology</i> , 1997 , 6, 41-8	4	31
75	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	4	7
74	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	4	39

73	Polarisation-dependent association of plectin with desmoplakin and the lateral submembrane skeleton in MDCK cells. <i>Journal of Cell Science</i> , 1997 , 110, 1307-1316	5.3	67
72	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	5.3	24
71	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	4	9
70	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, 273-88	3.5	46
69	Immunogold localisation of the intermediate chain within the protein complex of cytoplasmic dynein. <i>Journal of Structural Biology</i> , 1996 , 117, 227-35	3.4	56
68	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, 4278-83	11.5	113
67	Plectin deficiency results in muscular dystrophy with epidermolysis bullosa. <i>Nature Genetics</i> , 1996 , 13, 450-7	36.3	358
66	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, 1455-67	7.3	157
65	Identification of plectin as a substrate of p34cdc2 kinase and mapping of a single phosphorylation site. <i>Journal of Biological Chemistry</i> , 1996 , 271, 8203-8	5.4	33
64	Defective expression of plectin/HD1 in epidermolysis bullosa simplex with muscular dystrophy. <i>Journal of Clinical Investigation</i> , 1996 , 97, 2289-98	15.9	178
63	Perinuclear distribution of plectin characterizes visceral epithelial cells of rat glomeruli. <i>American Journal of Pathology</i> , 1996 , 149, 319-27	5.8	12
62	Distribution and ultrastructure of plectin arrays in subclones of rat glioma C6 cells differing in intermediate filament protein (vimentin) expression. <i>Journal of Structural Biology</i> , 1995 , 115, 304-17	3.4	50
61	Distribution of plectin, an intermediate filament-associated protein, in the adult rat central nervous system. <i>Journal of Neuroscience Research</i> , 1994 , 37, 515-28	4.4	62
60	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, 421-38	2	46
59	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, 607-19	7.3	111
58	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	6.1	90
57	Identification of two distinct microtubule binding domains on recombinant rat MAP 1B. <i>European Journal of Cell Biology</i> , 1992 , 57, 66-74	6.1	49
56	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	7.3	170

55	Immunolocalization and molecular properties of a high molecular weight microtubule-bundling protein (syncolin) from chicken erythrocytes. <i>Journal of Cell Biology</i> , 1991 , 112, 689-99	7.3	19
54	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, 3812-6	11.5	96
53	Monoclonal antibody mapping of structural and functional plectin epitopes. <i>Journal of Cell Biology</i> , 1991 , 112, 397-405	7.3	49
52	Intermediate filament-associated proteins. <i>Current Opinion in Cell Biology</i> , 1991 , 3, 75-81	9	97
51	Molecular structure and function of microtubule-associated proteins. <i>International Review of Cytology</i> , 1991 , 124, 217-73		143
50	Accumulation of abnormally phosphorylated tau precedes the formation of neurofibrillary tangles in Alzheimer's disease. <i>Brain Research</i> , 1989 , 477, 90-9	3.7	710
49	Plectin: general overview and appraisal of its potential role as a subunit protein of the cytomatrix. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 1989 , 24, 41-67	8.7	80
48	High-Mr microtubule-associated proteins: properties and functions. <i>Biochemical Journal</i> , 1989 , 259, 1-12, 3, 8		100
47	Plectin/Vimentin Interaction: Molecular Binding Domains and Regulation by Phosphorylation. <i>Springer Series in Biophysics</i> , 1989 , 166-168		
46	Partial proteolysis of plectin and localization of self-interaction and vimentin binding sites on separate molecular domains. <i>Protoplasma</i> , 1988 , 145, 120-128	3.4	3
45	Cytoskeleton-associated plectin: in situ localization, in vitro reconstitution, and binding to immobilized intermediate filament proteins. <i>Journal of Cell Biology</i> , 1988 , 106, 723-33	7.3	145
44	Structure and hydrodynamic properties of plectin molecules. <i>Journal of Molecular Biology</i> , 1987 , 198, 515-31	6.5	82
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