Marius Ueffing

List of Publications by Year
in descending order

213 papers	11,842 citations	26630 56 h-index	38395 95 g-index
226 all docs	226 docs citations	226 times ranked	15368 citing authors

#	Article	IF	Citations
1	The Parkinson disease causing LRRK2 mutation I2020T is associated with increased kinase activity. Human Molecular Genetics, 2006, 15, 223-232.	2.9	442
2	Prevalence of Age-Related Macular Degeneration in Europe. Ophthalmology, 2017, 124, 1753-1763.	5.2	337
3	Hydrogen peroxide-induced apoptosis is CD95-independent, requires the release of mitochondria-derived reactive oxygen species and the activation of NF-ÎºB. Oncogene, 1999, 18, 747-757.	5.9	300
4	Merging organoid and organ-on-a-chip technology to generate complex multi-layer tissue models in a human retina-on-a-chip platform. ELife, 2019, 8, .	6.0	256
5	LRRK2 Controls Synaptic Vesicle Storage and Mobilization within the Recycling Pool. Journal of Neuroscience, 2011, 31, 2225-2237.	3.6	240
6	ProteomeBinders: planning a European resource of affinity reagents for analysis of the human proteome. Nature Methods, 2007, 4, 13-17.	19.0	231
7	An siRNA-based functional genomics screen for theÂidentification of regulators of ciliogenesis and ciliopathyÂgenes. Nature Cell Biology, 2015, 17, 1074-1087.	10.3	215
8	An organelle-specific protein landscape identifies novel diseases and molecular mechanisms. Nature Communications, 2016, 7, 11491.	12.8	207
9	A novel tandem affinity purification strategy for the efficient isolation and characterisation of native protein complexes. Proteomics, 2007, 7, 4228-4234.	2.2	206
10	A systems biology approach towards understanding and treating non-neovascular age-related macular degeneration. Nature Communications, 2019, 10, 3347.	12.8	192
11	Identification of a Common Non-Apoptotic Cell Death Mechanism in Hereditary Retinal Degeneration. PLoS ONE, 2014, 9, e112142.	2.5	191
12	Mutations in LCA5, encoding the ciliary protein lebercilin, cause Leber congenital amaurosis. Nature Genetics, 2007, 39, 889-895.	21.4	186
13	ANKS6 is a central component of a nephronophthisis module linking NEK8 to INVS and NPHP3. Nature Genetics, 2013, 45, 951-956.	21.4	183
14	Integrative Analysis of the Mitochondrial Proteome in Yeast. PLoS Biology, 2004, 2, e160.	5.6	181
15	Deciphering Membrane-Associated Molecular Processes in Target Tissue of Autoimmune Uveitis by Label-Free Quantitative Mass Spectrometry. Molecular and Cellular Proteomics, 2010, 9, 2292-2305.	3.8	181
16	The Parkinson diseaseâ€associated protein kinase LRRK2 exhibits MAPKKK activity and phosphorylates MKK3/6 and MKK4/7, in vitro. Journal of Neurochemistry, 2009, 109, 959-968.	3.9	175
17	A new perspective on lipid research in age-related macular degeneration. Progress in Retinal and Eye Research, 2018, 67, 56-86.	15.5	162
18	Improved proteome analysis of Saccharomyces cerevisiae mitochondria by free-flow electrophoresis. Proteomics, 2003, 3, 906-916.	2.2	148

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19	Differential Protein Profiling of Primary versus Immortalized Human RPE Cells Identifies Expression Patterns Associated with Cytoskeletal Remodeling and Cell Survival. Journal of Proteome Research, 2006, 5, 862-878.	3.7	135
20	Pitchfork Regulates Primary Cilia Disassembly and Left-Right Asymmetry. Developmental Cell, 2010, 19, 66-77.	7.0	133
21	Phosphopeptide Analysis Reveals Two Discrete Clusters of Phosphorylation in the N-Terminus and the Roc Domain of the Parkinson-Disease Associated Protein Kinase LRRK2. Journal of Proteome Research, 2010, 9, 1738-1745.	3.7	132
22	Structural model of the dimeric Parkinsonâ€™s protein LRRK2 reveals a compact architecture involving distant interdomain contacts. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4357-E4366.	7.1	130
23	Calpain is activated in degenerating photoreceptors in the rd1 mouse. Journal of Neurochemistry, 2006, 96, 802-814.	3.9	129
24	MALDI Imaging Identifies Prognostic Seven-Protein Signature of Novel Tissue Markers in Intestinal-Type Gastric Cancer. American Journal of Pathology, 2011, 179, 2720-2729.	3.8	127
25	Excessive Activation of Poly(ADP-Ribose) Polymerase Contributes to Inherited Photoreceptor Degeneration in the Retinal Degeneration 1 Mouse. Journal of Neuroscience, 2007, 27, 10311-10319.	3.6	124
26	Direct comparison of <scp>MS</scp>â€based labelâ€free and <scp>SILAC</scp> quantitative proteome profiling strategies in primary retinal <scp>M</scp>Ã¼ller cells. Proteomics, 2012, 12, 1902-1911.	2.2	114
27	Two-dimensional electrophoresis of membrane proteins. Analytical and Bioanalytical Chemistry, 2007, 389, 1033-1045.	3.7	113
28	PKG activity causes photoreceptor cell death in two retinitis pigmentosa models. Journal of Neurochemistry, 2009, 108, 796-810.	3.9	113
29	Approaching clinical proteomics: current state and future fields of application in fluid proteomics. Clinical Chemistry and Laboratory Medicine, 2009, 47, 724-44.	2.3	112
30	GDNF Family Ligands Trigger Indirect Neuroprotective Signaling in Retinal Glial Cells. Molecular and Cellular Biology, 2006, 26, 2746-2757.	2.3	108
31	CiliaCarta: An integrated and validated compendium of ciliary genes. PLoS ONE, 2019, 14, e0216705.	2.5	104
32	LST1 promotes the assembly of a molecular machinery responsible for tunneling nanotube formation. Journal of Cell Science, 2013, 126, 767-77.	2.0	103
33	Parkinson-related LRRK2 mutation R1441C/G/H impairs PKA phosphorylation of LRRK2 and disrupts its interaction with 14-3-3. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E34-43.	7.1	103
34	Identification of hydroxyapatite spherules provides new insight into subretinal pigment epithelial deposit formation in the aging eye. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1565-1570.	7.1	101
35	Rods progressively escape saturation to drive visual responses in daylight conditions. Nature Communications, 2017, 8, 1813.	12.8	99
36	Systemic and ocular fluid compounds as potential biomarkers in age-related macular degeneration. Survey of Ophthalmology, 2018, 63, 9-39.	4.0	98

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37	The complement system in age-related macular degeneration. Cellular and Molecular Life Sciences, 2021, 78, 4487-4505.	5.4	96
38	Two Closely Related Isoforms of Protein Kinase C Produce Reciprocal Effects on the Growth of Rat Fibroblasts. Journal of Biological Chemistry, 1995, 270, 78-86.	3.4	95
39	AAV8 Can Induce Innate and Adaptive Immune Response in the Primate Eye. Molecular Therapy, 2017, 25, 2648-2660.	8.2	95
40	Proteomic profiling of primary retinal MÃ¼ller glia cells reveals a shift in expression patterns upon adaptation to in vitro conditions. Glia, 2003, 44, 251-263.	4.9	94
41	Disruption of intraflagellar protein transport in photoreceptor cilia causes Leber congenital amaurosis in humans and mice. Journal of Clinical Investigation, 2011, 121, 2169-2180.	8.2	94
42	Comparative Proteome Analysis of Native Differentiated and Cultured Dedifferentiated Human RPE Cells. , 2003, 44, 3629.		92
43	Active Transport and Diffusion Barriers Restrict Joubert Syndrome-Associated ARL13B/ARL-13 to an Inv-like Ciliary Membrane Subdomain. PLoS Genetics, 2013, 9, e1003977.	3.5	91
44	Leucine-Rich Repeat Kinase 2 Binds to Neuronal Vesicles through Protein Interactions Mediated by Its C-Terminal WD40 Domain. Molecular and Cellular Biology, 2014, 34, 2147-2161.	2.3	91
45	Combination of cGMP analogue and drug delivery system provides functional protection in hereditary retinal degeneration. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E2997-E3006.	7.1	90
46	Mediterranean Diet and Incidence of Advanced Age-Related Macular Degeneration. Ophthalmology, 2019, 126, 381-390.	5.2	89
47	Integrative Proteomics and Targeted Transcriptomics Analyses in Cardiac Endothelial Cells Unravel Mechanisms of Long-Term Radiation-Induced Vascular Dysfunction. Journal of Proteome Research, 2015, 14, 1203-1219.	3.7	86
48	Identification and Functional Validation of Novel Autoantigens in Equine Uveitis. Molecular and Cellular Proteomics, 2006, 5, 1462-1470.	3.8	85
49	WI-PHI: A weighted yeast interactome enriched for direct physical interactions. Proteomics, 2007, 7, 932-943.	2.2	83
50	Equine Recurrent Uveitis – A Spontaneous Horse Model of Uveitis. Ophthalmic Research, 2008, 40, 151-153.	1.9	83
51	Protein kinase C-Îµ associates with the Raf-1 kinase and induces the production of growth factors that stimulate Raf-1 activity. Oncogene, 1997, 15, 2921-2927.	5.9	78
52	Superior Retinal Gene Transfer and Biodistribution Profile of Subretinal Versus Intravitreal Delivery of AAV8 in Nonhuman Primates. , 2017, 58, 5792.		75
53	Crucial Mitochondrial Impairment upon CDC48 Mutation in Apoptotic Yeast. Journal of Biological Chemistry, 2006, 281, 25757-25767.	3.4	74
54	GDNFâ€induced osteopontin from MÃ¼ller glial cells promotes photoreceptor survival in the Pde6b^{rd1} mouse model of retinal degeneration. Glia, 2011, 59, 821-832.	4.9	70

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55	Inactivation of VCP/ter94 Suppresses Retinal Pathology Caused by Misfolded Rhodopsin in Drosophila. PLoS Genetics, 2010, 6, e1001075.	3.5	65
56	Disruption of the Basal Body Protein POC1B Results in Autosomal-Recessive Cone-Rod Dystrophy. American Journal of Human Genetics, 2014, 95, 131-142.	6.2	65
57	Strep/FLAG Tandem Affinity Purification (SFâ€TAP) to Study Protein Interactions. Current Protocols in Protein Science, 2009, 57, Unit19.20.	2.8	64
58	The Ciliopathy Protein CC2D2A Associates with NINL and Functions in RAB8-MICAL3-Regulated Vesicle Trafficking. PLoS Genetics, 2015, 11, e1005575.	3.5	64
59	Humoral Immune Response After Intravitreal But Not After Subretinal AAV8 in Primates and Patients. , 2018, 59, 1910.		64
60	Efficacy and Safety of Retinal Gene Therapy Using Adeno-Associated Virus Vector for Patients With Choroideremia. JAMA Ophthalmology, 2019, 137, 1247.	2.5	64
61	Insights into the membrane proteome of rat liver peroxisomes: Microsomal glutathione-S-transferase is shared by both subcellular compartments. Proteomics, 2006, 6, 804-816.	2.2	63
62	The ciliopathy-associated protein homologs RPGRIP1 and RPGRIP1L are linked to cilium integrity through interaction with Nek4 serine/threonine kinase. Human Molecular Genetics, 2011, 20, 3592-3605.	2.9	60
63	PCARE and WASF3 regulate ciliary F-actin assembly that is required for the initiation of photoreceptor outer segment disk formation. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 9922-9931.	7.1	58
64	A Cell Surface Biotinylation Assay to Reveal Membrane-associated Neuronal Cues: Negr1 Regulates Dendritic Arborization. Molecular and Cellular Proteomics, 2014, 13, 733-748.	3.8	57
65	Differential Analysis of Saccharomyces cerevisiae Mitochondria by Free Flow Electrophoresis. Molecular and Cellular Proteomics, 2006, 5, 2185-2200.	3.8	56
66	S100-A10, thioredoxin, and S100-A6 as biomarkers of papillary thyroid carcinoma with lymph node metastasis identified by MALDI Imaging. Journal of Molecular Medicine, 2012, 90, 163-174.	3.9	56
67	PPAR Alpha: A Novel Radiation Target in Locally Exposed Mus musculus Heart Revealed by Quantitative Proteomics. Journal of Proteome Research, 2013, 12, 2700-2714.	3.7	56
68	KIAA0556 is a novel ciliary basal body component mutated in Joubert syndrome. Genome Biology, 2015, 16, 293.	8.8	56
69	Phosphorylation of GTP Cyclohydrolase I and Modulation of Its Activity in Rodent Mast Cells. Journal of Biological Chemistry, 1998, 273, 21616-21622.	3.4	55
70	ARHGEF7 (BETA-PIX) Acts as Guanine Nucleotide Exchange Factor for Leucine-Rich Repeat Kinase 2. PLoS ONE, 2010, 5, e13762.	2.5	55
71	ER stress in retinal degeneration: a target for rational therapy?. Trends in Molecular Medicine, 2011, 17, 442-451.	6.7	55
72	Retinal Mueller Glial Cells Trigger the Hallmark Inflammatory Process in Autoimmune Uveitis. Journal of Proteome Research, 2007, 6, 2121-2131.	3.7	54

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73	Membrane-initiated effects of progesterone on calcium dependent signaling and activation of VEGF gene expression in retinal glial cells. Glia, 2007, 55, 1061-1073.	4.9	53
74	Differential Modification of Phosducin Protein in Degenerating rd1 Retina Is Associated with Constitutively Active Ca2+/Calmodulin Kinase II in Rod Outer Segments. Molecular and Cellular Proteomics, 2006, 5, 324-336.	3.8	51
75	TCTEX1D2 mutations underlie Jeune asphyxiating thoracic dystrophy with impaired retrograde intraflagellar transport. Nature Communications, 2015, 6, 7074.	12.8	51
76	USP9X stabilizes XIAP to regulate mitotic cell death and chemoresistance in aggressive Bâ€cell lymphoma. EMBO Molecular Medicine, 2016, 8, 851-862.	6.9	50
77	Downâ€regulation of pigment epitheliumâ€derived factor in uveitic lesion associates with focal vascular endothelial growth factor expression and breakdown of the bloodâ€retinal barrier. Proteomics, 2007, 7, 1540-1548.	2.2	49
78	Dlg3 Trafficking and Apical Tight Junction Formation Is Regulated by Nedd4 and Nedd4-2 E3ÂUbiquitin Ligases. Developmental Cell, 2011, 21, 479-491.	7.0	48
79	MASP-1 and MASP-2 Do Not Activate Proâ€“Factor D in Resting Human Blood, whereas MASP-3 Is a Potential Activator: Kinetic Analysis Involving Specific MASP-1 and MASP-2 Inhibitors. Journal of Immunology, 2016, 196, 857-865.	0.8	47
80	CHANGES IN RETINAL SENSITIVITY AFTER GENE THERAPY IN CHOROIDEREMIA. Retina, 2020, 40, 160-168.	1.7	47
81	Genetic Risk, Lifestyle, and Age-Related Macular Degeneration in Europe. Ophthalmology, 2021, 128, 1039-1049.	5.2	46
82	Deltaâ€like 1 participates in the specification of ventral midbrain progenitor derived dopaminergic neurons. Journal of Neurochemistry, 2008, 104, 1101-1115.	3.9	45
83	Clearance of RhodopsinP23H aggregates requires the ERAD effector VCP. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 424-434.	4.1	45
84	DNAAF1 links heart laterality with the AAA+ ATPase RUVBL1 and ciliary intraflagellar transport. Human Molecular Genetics, 2018, 27, 529-545.	2.9	45
85	Multimodal assessment of choroideremia patients defines pre-treatment characteristics. Graefe's Archive for Clinical and Experimental Ophthalmology, 2015, 253, 2143-2150.	1.9	44
86	Mutations in CEP78 Cause Cone-Rod Dystrophy and Hearing Loss Associated with Primary-Cilia Defects. American Journal of Human Genetics, 2016, 99, 770-776.	6.2	44
87	Improved mass spectrometric identification of gel-separated hydrophobic membrane proteins after sodium dodecyl sulfate removal by ion-pair extraction. Proteomics, 2004, 4, 3776-3782.	2.2	43
88	Galectin-3 Induces Clustering of CD147 and Integrin-Î²1 Transmembrane Glycoprotein Receptors on the RPE Cell Surface. PLoS ONE, 2013, 8, e70011.	2.5	43
89	Integrating Metabolomics, Genomics, and Disease Pathways in Age-Related Macular Degeneration. Ophthalmology, 2020, 127, 1693-1709.	5.2	43
90	Loss of Complement Factor H impairs antioxidant capacity and energy metabolism of human RPE cells. Scientific Reports, 2020, 10, 10320.	3.3	43

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91	Dysfunction of the ciliary ARMC9/TOGARAM1 protein module causes Joubert syndrome. Journal of Clinical Investigation, 2020, 130, 4423-4439.	8.2	43
92	Proteomic analysis of the porcine interphotoreceptor matrix. Proteomics, 2005, 5, 3623-3636.	2.2	42
93	Extensive rewiring of the EGFR network in colorectal cancer cells expressing transforming levels of KRASG13D. Nature Communications, 2020, 11, 499.	12.8	42
94	Transcriptional and metabolic rewiring of colorectal cancer cells expressing the oncogenic KRASG13D mutation. British Journal of Cancer, 2019, 121, 37-50.	6.4	41
95	Expression of CD44 isoforms in neuroblastoma cells is regulated by PI 3-kinase and protein kinase C. Oncogene, 1997, 14, 2817-2824.	5.9	40
96	Highâ€resolution metabolite imaging of light and dark treated retina using <scp>MALDI</scp>â€<scp>FTICR</scp> mass spectrometry. Proteomics, 2014, 14, 913-923.	2.2	40
97	The fusion protein AML1-ETO in acute myeloid leukemia with translocation t(8;21) induces c-jun protein expression via the proximal AP-1 site of the c-jun promoter in an indirect, JNK-dependent manner. Oncogene, 2003, 22, 5646-5657.	5.9	39
98	HDAC inhibition in thecpfl1mouse protects degenerating cone photoreceptorsin vivo. Human Molecular Genetics, 2016, 25, ddw275.	2.9	39
99	The small GTPase RAB28 is required for phagocytosis of cone outer segments by the murine retinal pigmented epithelium. Journal of Biological Chemistry, 2018, 293, 17546-17558.	3.4	39
100	A Cleared View on Retinal Organoids. Cells, 2019, 8, 391.	4.1	39
101	Identification of Paracrine Neuroprotective Candidate Proteins by a Functional Assay-driven Proteomics Approach. Molecular and Cellular Proteomics, 2008, 7, 1349-1361.	3.8	38
102	A visual review of the interactome of LRRK2: Using deepâ€curated molecular interaction data to represent biology. Proteomics, 2015, 15, 1390-1404.	2.2	38
103	Development of a Genotype Assay for Age-Related Macular Degeneration. Ophthalmology, 2021, 128, 1604-1617.	5.2	38
104	Major retinal autoantigens remain stably expressed during all stages of spontaneous uveitis. Molecular Immunology, 2007, 44, 3291-3296.	2.2	37
105	Identification of a Heterogeneous Nuclear Ribonucleoprotein-recognition Region in the HIV Rev Protein. Journal of Biological Chemistry, 2009, 284, 33384-33391.	3.4	37
106	Retinal proteome alterations in a mouse model of type 2 diabetes. Diabetologia, 2014, 57, 192-203.	6.3	36
107	A Community Standard Format for the Representation of Protein Affinity Reagents. Molecular and Cellular Proteomics, 2010, 9, 1-10.	3.8	35
108	Integrative proteomic and microRNA analysis of primary human coronary artery endothelial cells exposed to low-dose gamma radiation. Radiation and Environmental Biophysics, 2013, 52, 87-98.	1.4	34

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109	Predicting Progression to Advanced Age-Related Macular Degeneration from Clinical, Genetic, and Lifestyle Factors UsingÂMachine Learning. Ophthalmology, 2021, 128, 587-597.	5.2	34
110	Serum PEDF Levels Are Decreased in a Spontaneous Animal Model for Human Autoimmune Uveitis. Journal of Proteome Research, 2009, 8, 992-998.	3.7	33
111	Structural and functional protein network analyses predict novel signaling functions for rhodopsin. Molecular Systems Biology, 2011, 7, 551.	7.2	33
112	Apoe, Mbl2, and Psp Plasma Protein Levels Correlate with Diabetic Phenotype in NZO Miceâ€"An Optimized Rapid Workflow for SRM-Based Quantification. Journal of Proteome Research, 2013, 12, 1331-1343.	3.7	33
113	The role of the plexin-A2 receptor in semaphorin-3A and semaphorin-3B signal transduction. Journal of Cell Science, 2014, 127, 5240-52.	2.0	32
114	Unraveling the Equine Lymphocyte Proteome: Differential Septin 7 Expression Associates with Immune Cells in Equine Recurrent Uveitis. PLoS ONE, 2014, 9, e91684.	2.5	30
115	Organotypic retinal explant cultures as in vitro alternative for diabetic retinopathy studies. ALTEX: Alternatives To Animal Experimentation, 2016, 33, 459-464.	1.5	29
116	Elution Profile Analysis of SDS-induced Subcomplexes by Quantitative Mass Spectrometry. Molecular and Cellular Proteomics, 2014, 13, 1382-1391.	3.8	28
117	Prothymosin-Î± Interacts with Mutant Huntingtin and Suppresses Its Cytotoxicity in Cell Culture. Journal of Biological Chemistry, 2012, 287, 1279-1289.	3.4	27
118	Overexpression of PKCÉ› in R6 fibroblasts causes increased production of active TGFÎ². Journal of Cellular Physiology, 1998, 175, 314-322.	4.1	26
119	Expression Changes and Novel Interaction Partners of Talin 1 in Effector Cells of Autoimmune Uveitis. Journal of Proteome Research, 2013, 12, 5812-5819.	3.7	26
120	High-resolution MALDI mass spectrometric imaging of lipids in the mammalian retina. Histochemistry and Cell Biology, 2015, 143, 453-462.	1.7	26
121	Auto-regulation of Rab5 GEF activity in Rabex5 by allosteric structural changes, catalytic core dynamics and ubiquitin binding. ELife, 2019, 8, .	6.0	26
122	Proteomic Survey Reveals Altered Energetic Patterns and Metabolic Failure Prior to Retinal Degeneration. Journal of Neuroscience, 2014, 34, 2797-2812.	3.6	25
123	Combined Targeted Analysis of Metabolites and Proteins in Tear Fluid With Regard to Clinical Applications. Translational Vision Science and Technology, 2018, 7, 22.	2.2	25
124	Growth factor-induced DNA synthesis in cells that overproduce protein kinase C. Journal of Cellular Physiology, 1990, 145, 262-267.	4.1	24
125	Nonviral Glial Cell-Derived Neurotrophic Factor Gene Transfer Enhances Survival of Cultured Dopaminergic Neurons and Improves Their Function after Transplantation in a Rat Model of Parkinsonâ€™s Disease. Human Gene Therapy, 2000, 11, 1529-1541.	2.7	24
126	Mass spectrometric identification of novel posttranslational modification sites in <scp>H</scp>untingtin. Proteomics, 2012, 12, 2060-2064.	2.2	24

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127	Peripherin-2 couples rhodopsin to the CNG channel in outer segments of rod photoreceptors. Human Molecular Genetics, 2014, 23, 5989-5997.	2.9	23
128	Formin like 1 expression is increased on CD4+ T lymphocytes in spontaneous autoimmune uveitis. Journal of Proteomics, 2017, 154, 102-108.	2.4	23
129	Bardet-Biedl syndrome proteins modulate the release of bioactive extracellular vesicles. Nature Communications, 2021, 12, 5671.	12.8	23
130	NINL and DZANK1 Co-function in Vesicle Transport and Are Essential for Photoreceptor Development in Zebrafish. PLoS Genetics, 2015, 11, e1005574.	3.5	23
131	The Interaction of CCDC104/BARTL1 with Arl3 and Implications for Ciliary Function. Structure, 2015, 23, 2122-2132.	3.3	22
132	Development of Methodology and Study Protocol: Safety and Efficacy of a Single Subretinal Injection of rAAV.hCNGA3 in Patients withCNGA3-Linked Achromatopsia Investigated in an Exploratory Dose-Escalation Trial. Human Gene Therapy Clinical Development, 2018, 29, 121-131.	3.1	22
133	CFAP43 modulates ciliary beating in mouse and Xenopus. Developmental Biology, 2020, 459, 109-125.	2.0	22
134	Antagonistic activities of CDC14B and CDK1 on USP9X regulate WT1-dependent mitotic transcription and survival. Nature Communications, 2020, 11, 1268.	12.8	22
135	HDAC inhibition ameliorates cone survival in retinitis pigmentosa mice. Cell Death and Differentiation, 2021, 28, 1317-1332.	11.2	22
136	The unconventional secretion of ARMS2. Human Molecular Genetics, 2016, 25, 3143-3151.	2.9	21
137	Proteomic Profiling Suggests Central Role Of STAT Signaling during Retinal Degeneration in the rd10 Mouse Model. Journal of Proteome Research, 2016, 15, 1350-1359.	3.7	21
138	Metabolomics in serum of patients with non-advanced age-related macular degeneration reveals aberrations in the glutamine pathway. PLoS ONE, 2019, 14, e0218457.	2.5	21
139	Pitchfork and Gprasp2 Target Smoothened to the Primary Cilium for Hedgehog Pathway Activation. PLoS ONE, 2016, 11, e0149477.	2.5	21
140	CRISPR/Cas9-mediated Genomic Editing of Cluap1/IFT38 Reveals a New Role in Actin Arrangement. Molecular and Cellular Proteomics, 2018, 17, 1285-1294.	3.8	20
141	Human Dopaminergic Neurons Lacking PINK1 Exhibit Disrupted Dopamine Metabolism Related to Vitamin B6 Co-Factors. IScience, 2020, 23, 101797.	4.1	20
142	Adhesion G protein-coupled receptor VLGR1/ADGRV1 regulates cell spreading and migration by mechanosensing at focal adhesions. IScience, 2021, 24, 102283.	4.1	20
143	Tandem Affinity Purification of Ciliopathy-Associated Protein Complexes. Methods in Cell Biology, 2009, 91, 143-160.	1.1	19
144	Calretinin interacts with huntingtin and reduces mutant huntingtinâ€caused cytotoxicity. Journal of Neurochemistry, 2012, 123, 437-446.	3.9	19

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145	Two-Dimensional Peptide Separation Improving Sensitivity of Selected Reaction Monitoring-Based Quantitative Proteomics in Mouse Liver Tissue: Comparing Off-Gel Electrophoresis and Strong Cation Exchange Chromatography. Analytical Chemistry, 2012, 84, 8853-8862.	6.5	19
146	The impact of blood on liver metabolite profiling â€“ a combined metabolomic and proteomic approach. Biomedical Chromatography, 2014, 28, 231-240.	1.7	19
147	CFAP157 is a murine downstream effector of FOXJ1 that is specifically required for flagellum morphogenesis and sperm motility. Development (Cambridge), 2016, 143, 4736-4748.	2.5	19
148	Mass-Spectrometry-Based Proteomics Reveals Organ-Specific Expression Patterns To Be Used as Forensic Evidence. Journal of Proteome Research, 2016, 15, 182-192.	3.7	19
149	The FOXJ1 target Cfap206 is required for sperm motility, mucociliary clearance of the airways and brain development. Development (Cambridge), 2020, 147, .	2.5	19
150	Efficient Ocular Delivery of VCP siRNA via Reverse Magnetofection in RHO P23H Rodent Retina Explants. Pharmaceutics, 2021, 13, 225.	4.5	19
151	Hypothermia Protects and Prolongs the Tolerance Time of Retinal Ganglion Cells against Ischemia. PLoS ONE, 2016, 11, e0148616.	2.5	19
152	The Phenotypic Course of Age-Related Macular Degeneration for ARMS2/HTRA1. Ophthalmology, 2022, 129, 752-764.	5.2	19
153	Cyr61 activates retinal cells and prolongs photoreceptor survival in rd1 mouse model of retinitis pigmentosa. Journal of Neurochemistry, 2014, 130, 227-240.	3.9	18
154	CFH Loss in Human RPE Cells Leads to Inflammation and Complement System Dysregulation via the NF-ÎºB Pathway. International Journal of Molecular Sciences, 2021, 22, 8727.	4.1	18
155	Identification of a Novel Neurotrophic Factor from Primary Retinal MÃ¼ller Cells Using Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC). Molecular and Cellular Proteomics, 2014, 13, 2371-2381.	3.8	17
156	Safety and Toxicology of Ocular Gene Therapy with Recombinant AAV Vector rAAV.hCNGA3 in Nonhuman Primates. Human Gene Therapy Clinical Development, 2019, 30, 50-56.	3.1	17
157	Identification of Autoantigens in Body Fluids by Combining Pull-Downs and Organic Precipitations of Intact Immune Complexes with Quantitative Label-Free Mass Spectrometry. Journal of Proteome Research, 2013, 12, 5656-5665.	3.7	16
158	A Multi-Omics Approach Identifies Key Regulatory Pathways Induced by Long-Term Zinc Supplementation in Human Primary Retinal Pigment Epithelium. Nutrients, 2020, 12, 3051.	4.1	15
159	The evolutionary conserved FOXJ1 target gene Fam183b is essential for motile cilia in Xenopus but dispensable for ciliary function in mice. Scientific Reports, 2018, 8, 14678.	3.3	14
160	Optic disc detection in the presence of strong technical artifacts. Biomedical Signal Processing and Control, 2019, 53, 101535.	5.7	14
161	Combining affinity proteomics and network context to identify new phosphatase substrates and adapters in growth pathways. Frontiers in Genetics, 2014, 5, 115.	2.3	13
162	The Epoxyeicosatrienoic Acid Pathway Enhances Hepatic Insulin Signaling and is Repressed in Insulin-Resistant Mouse Liver*. Molecular and Cellular Proteomics, 2015, 14, 2764-2774.	3.8	13

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