

Andrew F Hill

List of Publications by Citations

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223
papers

26,067
citations

71
h-index

160
g-index

243
ext. papers

32,080
ext. citations

9.9
avg, IF

6.8
L-index

#	Paper	IF	Citations
223	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1535750	16.4	3642
222	Minimal experimental requirements for definition of extracellular vesicles and their functions: a position statement from the International Society for Extracellular Vesicles. <i>Journal of Extracellular Vesicles</i> , 2014 , 3, 26913	16.4	1589
221	Molecular analysis of prion strain variation and the aetiology of 'new variant' CJD. <i>Nature</i> , 1996 , 383, 685-90	50.4	1411
220	The same prion strain causes vCJD and BSE. <i>Nature</i> , 1997 , 389, 448-50, 526	50.4	1130
219	Vesiclepedia: a compendium for extracellular vesicles with continuous community annotation. <i>PLoS Biology</i> , 2012 , 10, e1001450	9.7	800
218	FunRich: An open access standalone functional enrichment and interaction network analysis tool. <i>Proteomics</i> , 2015 , 15, 2597-601	4.8	735
217	Applying extracellular vesicles based therapeutics in clinical trials - an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 30087	16.4	722
216	Tissue distribution of protease resistant prion protein in variant Creutzfeldt-Jakob disease using a highly sensitive immunoblotting assay. <i>Lancet, The</i> , 2001 , 358, 171-80	40	589
215	Investigation of variant Creutzfeldt-Jakob disease and other human prion diseases with tonsil biopsy samples. <i>Lancet, The</i> , 1999 , 353, 183-9	40	586
214	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. <i>Nature Methods</i> , 2017 , 14, 228-232	21.6	560
213	Methodological Guidelines to Study Extracellular Vesicles. <i>Circulation Research</i> , 2017 , 120, 1632-1648	15.7	490
212	Exosomes provide a protective and enriched source of miRNA for biomarker profiling compared to intracellular and cell-free blood. <i>Journal of Extracellular Vesicles</i> , 2014 , 3,	16.4	483
211	Techniques used for the isolation and characterization of extracellular vesicles: results of a worldwide survey. <i>Journal of Extracellular Vesicles</i> , 2016 , 5, 32945	16.4	442
210	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA - an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1286095	16.4	410
209	Cell-cell communication between malaria-infected red blood cells via exosome-like vesicles. <i>Cell</i> , 2013 , 153, 1120-33	56.2	372
208	Diagnosis of new variant Creutzfeldt-Jakob disease by tonsil biopsy. <i>Lancet, The</i> , 1997 , 349, 99-100	40	356
207	Small RNA deep sequencing reveals a distinct miRNA signature released in exosomes from prion-infected neuronal cells. <i>Nucleic Acids Research</i> , 2012 , 40, 10937-49	20.1	327

206	Packaging of prions into exosomes is associated with a novel pathway of PrP processing. <i>Journal of Pathology</i> , 2007 , 211, 582-590	9.4	325
205	Intercellular propagated misfolding of wild-type Cu/Zn superoxide dismutase occurs via exosome-dependent and -independent mechanisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 3620-5	11.5	293
204	Exosomes: vehicles for the transfer of toxic proteins associated with neurodegenerative diseases?. <i>Frontiers in Physiology</i> , 2012 , 3, 124	4.6	275
203	BSE prions propagate as either variant CJD-like or sporadic CJD-like prion strains in transgenic mice expressing human prion protein. <i>EMBO Journal</i> , 2002 , 21, 6358-66	13	273
202	Strain-specific prion-protein conformation determined by metal ions. <i>Nature Cell Biology</i> , 1999 , 1, 55-9	23.4	266
201	Molecular classification of sporadic Creutzfeldt-Jakob disease. <i>Brain</i> , 2003 , 126, 1333-46	11.2	264
200	EVpedia: a community web portal for extracellular vesicles research. <i>Bioinformatics</i> , 2015 , 31, 933-9	7.2	256
199	Characterization and deep sequencing analysis of exosomal and non-exosomal miRNA in human urine. <i>Kidney International</i> , 2014 , 86, 433-44	9.9	231
198	Defining mesenchymal stromal cell (MSC)-derived small extracellular vesicles for therapeutic applications. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1609206	16.4	227
197	Degradation of the Alzheimer disease amyloid beta-peptide by metal-dependent up-regulation of metalloprotease activity. <i>Journal of Biological Chemistry</i> , 2006 , 281, 17670-80	5.4	222
196	Prognostic serum miRNA biomarkers associated with Alzheimer's disease shows concordance with neuropsychological and neuroimaging assessment. <i>Molecular Psychiatry</i> , 2015 , 20, 1188-96	15.1	220
195	Dopamine promotes alpha-synuclein aggregation into SDS-resistant soluble oligomers via a distinct folding pathway. <i>FASEB Journal</i> , 2005 , 19, 1377-9	0.9	217
194	Human prion protein with valine 129 prevents expression of variant CJD phenotype. <i>Science</i> , 2004 , 306, 1793-6	33.3	216
193	Inhibition of gamma-secretase causes increased secretion of amyloid precursor protein C-terminal fragments in association with exosomes. <i>FASEB Journal</i> , 2008 , 22, 1469-78	0.9	205
192	The role of exosomes in the processing of proteins associated with neurodegenerative diseases. <i>European Biophysics Journal</i> , 2008 , 37, 323-32	1.9	179
191	Unaltered susceptibility to BSE in transgenic mice expressing human prion protein. <i>Nature</i> , 1995 , 378, 779-83	50.4	167
190	Enrichment of prion protein in exosomes derived from ovine cerebral spinal fluid. <i>Veterinary Immunology and Immunopathology</i> , 2008 , 124, 385-93	2	153
189	Impaired extracellular secretion of mutant superoxide dismutase 1 associates with neurotoxicity in familial amyotrophic lateral sclerosis. <i>Journal of Neuroscience</i> , 2005 , 25, 108-17	6.6	152

188	Extracellular vesicles--Their role in the packaging and spread of misfolded proteins associated with neurodegenerative diseases. <i>Seminars in Cell and Developmental Biology</i> , 2015 , 40, 89-96	7.5	148
187	MYRF is a membrane-associated transcription factor that autoproteolytically cleaves to directly activate myelin genes. <i>PLoS Biology</i> , 2013 , 11, e1001625	9.7	143
186	Selective intracellular release of copper and zinc ions from bis(thiosemicarbazonato) complexes reduces levels of Alzheimer disease amyloid-beta peptide. <i>Journal of Biological Chemistry</i> , 2008 , 283, 4568-77	5.4	143
185	Exosomes in the Pathology of Neurodegenerative Diseases. <i>Journal of Biological Chemistry</i> , 2016 , 291, 26589-26597	5.4	140
184	Role of ABCG1 and ABCA1 in regulation of neuronal cholesterol efflux to apolipoprotein E discs and suppression of amyloid-beta peptide generation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 2851-61	5.4	140
183	The neutral sphingomyelinase pathway regulates packaging of the prion protein into exosomes. <i>Journal of Biological Chemistry</i> , 2015 , 290, 3455-67	5.4	138
182	Focus on Extracellular Vesicles: Exosomes and Their Role in Protein Trafficking and Biomarker Potential in Alzheimer's and Parkinson's Disease. <i>International Journal of Molecular Sciences</i> , 2016 , 17, 173	6.3	135
181	Oncogenic H-ras reprograms Madin-Darby canine kidney (MDCK) cell-derived exosomal proteins following epithelial-mesenchymal transition. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 2148-59	7.6	134
180	Quinacrine does not prolong survival in a murine Creutzfeldt-Jakob disease model. <i>Annals of Neurology</i> , 2002 , 52, 503-6	9.4	133
179	C-terminal truncation and Parkinson's disease-associated mutations down-regulate the protein serine/threonine kinase activity of PTEN-induced kinase-1. <i>Human Molecular Genetics</i> , 2006 , 15, 3251-62	5.6	123
178	Rescue of neurophysiological phenotype seen in PrP null mice by transgene encoding human prion protein. <i>Nature Genetics</i> , 1995 , 9, 197-201	36.3	122
177	Small RNA deep sequencing discriminates subsets of extracellular vesicles released by melanoma cells--Evidence of unique microRNA cargos. <i>RNA Biology</i> , 2015 , 12, 810-23	4.8	117
176	Prion-infected cells regulate the release of exosomes with distinct ultrastructural features. <i>FASEB Journal</i> , 2012 , 26, 4160-73	0.9	114
175	A rigorous method to enrich for exosomes from brain tissue. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1348885	16.4	113
174	The hypoxia imaging agent Cull(atSm) is neuroprotective and improves motor and cognitive functions in multiple animal models of Parkinson's disease. <i>Journal of Experimental Medicine</i> , 2012 , 209, 837-54	16.6	113
173	ATP-binding cassette transporter A7 regulates processing of amyloid precursor protein in vitro. <i>Journal of Neurochemistry</i> , 2008 , 106, 793-804	6	108
172	The role of extracellular vesicles in neurodegenerative diseases. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 483, 1178-1186	3.4	106
171	A standardized method to determine the concentration of extracellular vesicles using tunable resistive pulse sensing. <i>Journal of Extracellular Vesicles</i> , 2016 , 5, 31242	16.4	103

170	Multiple folding pathways for heterologously expressed human prion protein. <i>BBA - Proteins and Proteomics</i> , 1999 , 1431, 1-13		100
169	ISEV position paper: extracellular vesicle RNA analysis and bioinformatics. <i>Journal of Extracellular Vesicles</i> , 2013 , 2,	16.4	99
168	Tracking mutant huntingtin aggregation kinetics in cells reveals three major populations that include an invariant oligomer pool. <i>Journal of Biological Chemistry</i> , 2010 , 285, 21807-16	5.4	96
167	Formation of dopamine-mediated alpha-synuclein-soluble oligomers requires methionine oxidation. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1328-37	7.8	95
166	Delineating common molecular mechanisms in Alzheimer's and prion diseases. <i>Trends in Biochemical Sciences</i> , 2006 , 31, 465-72	10.3	94
165	Molecular and clinical classification of human prion disease. <i>British Medical Bulletin</i> , 2003 , 66, 241-54	5.4	94
164	Extracellular Vesicles and Neurodegenerative Diseases. <i>Journal of Neuroscience</i> , 2019 , 39, 9269-9273	6.6	93
163	Malaria parasite DNA-harboring vesicles activate cytosolic immune sensors. <i>Nature Communications</i> , 2017 , 8, 1985	17.4	91
162	Stimulating the Release of Exosomes Increases the Intercellular Transfer of Prions. <i>Journal of Biological Chemistry</i> , 2016 , 291, 5128-37	5.4	88
161	The detection of microRNA associated with Alzheimer's disease in biological fluids using next-generation sequencing technologies. <i>Frontiers in Genetics</i> , 2013 , 4, 150	4.5	88
160	Subclinical prion infection. <i>Trends in Microbiology</i> , 2003 , 11, 578-84	12.4	87
159	Deletions in the prion protein gene are not associated with CJD. <i>Human Molecular Genetics</i> , 1993 , 2, 541-46	4.6	84
158	Distinct glycoform ratios of protease resistant prion protein associated with PRNP point mutations. <i>Brain</i> , 2006 , 129, 676-85	11.2	82
157	Dopamine and the dopamine oxidation product 5,6-dihydroxyindole promote distinct on-pathway and off-pathway aggregation of alpha-synuclein in a pH-dependent manner. <i>Journal of Molecular Biology</i> , 2009 , 387, 771-85	6.5	79
156	Molecular screening of sheep for bovine spongiform encephalopathy. <i>Neuroscience Letters</i> , 1998 , 255, 159-62	3.3	79
155	O7.7. NEUROBIOLOGICAL ROOTS OF SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2019 , 45, S182-S182	1.3	78
154	Extracellular vesicles: interneural shuttles of complex messages. <i>Current Opinion in Neurobiology</i> , 2016 , 39, 101-7	7.6	75
153	Outer Membrane Vesicle Size Determines Their Mechanisms of Host Cell Entry and Protein Content. <i>Frontiers in Immunology</i> , 2018 , 9, 1466	8.4	70

152	Non-coding RNAs in Mesenchymal Stem Cell-Derived Extracellular Vesicles: Deciphering Regulatory Roles in Stem Cell Potency, Inflammatory Resolve, and Tissue Regeneration. <i>Frontiers in Genetics</i> , 2017 , 8, 161	4.5	70
151	BRAF inhibition alters the microRNA cargo in the vesicular secretome of malignant melanoma cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E5930-E5939	11.5	68
150	Fatal familial insomnia: a new Austrian family. <i>Brain</i> , 1999 , 122 (Pt 1), 5-16	11.2	66
149	Prion protein glycosylation. <i>Journal of Neurochemistry</i> , 2005 , 93, 793-801	6	64
148	Sublethal concentrations of prion peptide PrP106-126 or the amyloid beta peptide of Alzheimer's disease activates expression of proapoptotic markers in primary cortical neurons. <i>Neurobiology of Disease</i> , 2001 , 8, 299-316	7.5	63
147	A cell line infectible by prion strains from different species. <i>Journal of General Virology</i> , 2008 , 89, 341-347	7.9	63
146	Disease Mechanisms in ALS: Misfolded SOD1 Transferred Through Exosome-Dependent and Exosome-Independent Pathways. <i>Cellular and Molecular Neurobiology</i> , 2016 , 36, 377-81	4.6	60
145	International Society for Extracellular Vesicles and International Society for Cell and Gene Therapy statement on extracellular vesicles from mesenchymal stromal cells and other cells: considerations for potential therapeutic agents to suppress coronavirus disease-19. <i>Cytotherapy</i> , 2020 , 22, 482-485	4.8	59
144	Pathogenic mechanisms of prion protein, amyloid- β and α -synuclein misfolding: the prion concept and neurotoxicity of protein oligomers. <i>Journal of Neurochemistry</i> , 2016 , 139, 162-180	6	59
143	Kuru prions and sporadic Creutzfeldt-Jakob disease prions have equivalent transmission properties in transgenic and wild-type mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3885-90	11.5	59
142	Correlative studies support lipid peroxidation is linked to PrP(res) propagation as an early primary pathogenic event in prion disease. <i>Brain Research Bulletin</i> , 2006 , 68, 346-54	3.9	59
141	Formation of a high affinity lipid-binding intermediate during the early aggregation phase of alpha-synuclein. <i>Biochemistry</i> , 2008 , 47, 1425-34	3.2	57
140	Subclinical prion infection in humans and animals. <i>British Medical Bulletin</i> , 2003 , 66, 161-70	5.4	56
139	Mouse-adapted sporadic human Creutzfeldt-Jakob disease prions propagate in cell culture. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 2793-801	5.6	55
138	Differential modulation of Alzheimer's disease amyloid beta-peptide accumulation by diverse classes of metal ligands. <i>Biochemical Journal</i> , 2007 , 407, 435-50	3.8	53
137	A clinical study of kuru patients with long incubation periods at the end of the epidemic in Papua New Guinea. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008 , 363, 3725-39	5.8	52
136	Regulation of prion gene expression by transcription factors SP1 and metal transcription factor-1. <i>Journal of Biological Chemistry</i> , 2009 , 284, 1291-301	5.4	51
135	Proteasome-mediated degradation of the C-terminus of the Alzheimer's disease beta-amyloid protein precursor: effect of C-terminal truncation on production of beta-amyloid protein. <i>Journal of Neuroscience Research</i> , 2003 , 74, 378-85	4.4	51

134	Enrichment of extracellular vesicles from human synovial fluid using size exclusion chromatography. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1490145	16.4	46
133	Intracellular itinerary of internalised B-secretase, BACE1, and its potential impact on B-amyloid peptide biogenesis. <i>Traffic</i> , 2013 , 14, 997-1013	5.7	42
132	Summary of the ISEV workshop on extracellular vesicles as disease biomarkers, held in Birmingham, UK, during December 2017. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1473707	16.4	42
131	Impact of 27-hydroxycholesterol on amyloid-beta peptide production and ATP-binding cassette transporter expression in primary human neurons. <i>Journal of Alzheimer's Disease</i> , 2009 , 16, 121-31	4.3	41
130	Critical considerations for the development of potency tests for therapeutic applications of mesenchymal stromal cell-derived small extracellular vesicles. <i>Cytotherapy</i> , 2021 , 23, 373-380	4.8	41
129	Increased proportions of C1 truncated prion protein protect against cellular M1000 prion infection. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009 , 68, 1125-35	3.1	40
128	A domain level interaction network of amyloid precursor protein and Abeta of Alzheimer's disease. <i>Proteomics</i> , 2010 , 10, 2377-95	4.8	38
127	Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12093	16.4	38
126	Exosomes and their role in the intercellular trafficking of normal and disease associated prion proteins. <i>Molecular Aspects of Medicine</i> , 2018 , 60, 62-68	16.7	38
125	Intercellular Resistance to BRAF Inhibition Can Be Mediated by Extracellular Vesicle-Associated PDGFR α Neoplasia, 2017 , 19, 932-940	6.4	36
124	PrPC-related signal transduction is influenced by copper, membrane integrity and the alpha cleavage site. <i>Cell Research</i> , 2009 , 19, 1062-78	24.7	36
123	Disruption of prion protein-HOP engagement impairs glioblastoma growth and cognitive decline and improves overall survival. <i>Oncogene</i> , 2015 , 34, 3305-14	9.2	35
122	Tight Junction Protein Claudin-2 Promotes Self-Renewal of Human Colorectal Cancer Stem-like Cells. <i>Cancer Research</i> , 2018 , 78, 2925-2938	10.1	35
121	Conformation sensors that distinguish monomeric proteins from oligomers in live cells. <i>Chemistry and Biology</i> , 2010 , 17, 371-9		35
120	Towards mechanisms and standardization in extracellular vesicle and extracellular RNA studies: results of a worldwide survey. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1535745	16.4	35
119	Manganese chelation therapy extends survival in a mouse model of M1000 prion disease. <i>Journal of Neurochemistry</i> , 2010 , 114, 440-51	6	34
118	Decreased expression of GGA3 protein in Alzheimer's disease frontal cortex and increased co-distribution of BACE with the amyloid precursor protein. <i>Neurobiology of Disease</i> , 2011 , 43, 176-83	7.5	34
117	Prion strains and species barriers. <i>Contributions To Microbiology</i> , 2004 , 11, 33-49		33

116	Australian sporadic CJD analysis supports endogenous determinants of molecular-clinical profiles. <i>Neurology</i> , 2005 , 65, 113-8	6.5	33
115	Molecular biology of prion propagation. <i>Current Opinion in Genetics and Development</i> , 1999 , 9, 338-45	4.9	33
114	Defining the purity of exosomes required for diagnostic profiling of small RNA suitable for biomarker discovery. <i>RNA Biology</i> , 2017 , 14, 245-258	4.8	32
113	Conformational detection of prion protein with biarsenical labeling and FLAsH fluorescence. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 380, 564-8	3.4	32
112	New variant Creutzfeldt-Jakob disease in France. <i>Lancet, The</i> , 1997 , 349, 30-1	4.0	32
111	Influence of species and processing parameters on recovery and content of brain tissue-derived extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1785746	16.4	32
110	A truncated fragment of Src protein kinase generated by calpain-mediated cleavage is a mediator of neuronal death in excitotoxicity. <i>Journal of Biological Chemistry</i> , 2013 , 288, 9696-9709	5.4	31
109	The role of lipids in Eynuclein misfolding and neurotoxicity. <i>Journal of Biological Chemistry</i> , 2019 , 294, 9016-9028	5.4	30
108	Misfolded polyglutamine, polyalanine, and superoxide dismutase 1 aggregate via distinct pathways in the cell. <i>Journal of Biological Chemistry</i> , 2014 , 289, 6669-6680	5.4	30
107	The secret life of extracellular vesicles in metal homeostasis and neurodegeneration. <i>Biology of the Cell</i> , 2015 , 107, 389-418	3.5	30
106	Methods for loading therapeutics into extracellular vesicles and generating extracellular vesicles mimetic-nanovesicles. <i>Methods</i> , 2020 , 177, 103-113	4.6	30
105	Quantitative Analysis of Exosomal miRNA via qPCR and Digital PCR. <i>Methods in Molecular Biology</i> , 2017 , 1545, 55-70	1.4	29
104	Polyalanine expansions drive a shift into Ehelical clusters without amyloid-fibril formation. <i>Nature Structural and Molecular Biology</i> , 2015 , 22, 1008-15	17.6	29
103	The brain to gut pathway: a possible route of prion transmission. <i>Gut</i> , 2010 , 59, 1643-51	19.2	29
102	Proteomic and Post-Translational Modification Profiling of Exosome-Mimetic Nanovesicles Compared to Exosomes. <i>Proteomics</i> , 2019 , 19, e1800161	4.8	27
101	SERF protein is a direct modifier of amyloid fiber assembly. <i>Cell Reports</i> , 2012 , 2, 358-71	10.6	27
100	Conservation of a glycine-rich region in the prion protein is required for uptake of prion infectivity. <i>Journal of Biological Chemistry</i> , 2010 , 285, 20213-23	5.4	26
99	Anionic phospholipid interactions of the prion protein N terminus are minimally perturbing and not driven solely by the octapeptide repeat domain. <i>Journal of Biological Chemistry</i> , 2010 , 285, 32282-92	5.4	26

98	Prion infection impairs cholesterol metabolism in neuronal cells. <i>Journal of Biological Chemistry</i> , 2014 , 289, 789-802	5.4	25
97	Small RNA fingerprinting of Alzheimer's disease frontal cortex extracellular vesicles and their comparison with peripheral extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2020 , 9, 1766822	16.4	24
96	Extending gene ontology in the context of extracellular RNA and vesicle communication. <i>Journal of Biomedical Semantics</i> , 2016 , 7, 19	2.2	23
95	Residues surrounding the glycosylphosphatidylinositol anchor attachment site of PrP modulate prion infection: insight from the resistance of rabbits to prion disease. <i>Journal of Virology</i> , 2010 , 84, 6678-86	6.6	23
94	membrane vesicles contain immunostimulatory DNA, RNA and peptidoglycan that activate innate immune receptors and induce autophagy. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12080	16.4	23
93	Evidence for prion protein expression in enteroglia cells of the myenteric plexus of mouse intestine. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2008 , 140, 17-23	2.4	22
92	Extracellular vesicles - propagators of neuropathology and sources of potential biomarkers and therapeutics for neurodegenerative diseases. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	21
91	Glycosaminoglycan sulphation affects the seeded misfolding of a mutant prion protein. <i>PLoS ONE</i> , 2010 , 5, e12351	3.7	21
90	Activation of epidermal growth factor receptor by metal-ligand complexes decreases levels of extracellular amyloid beta peptide. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 1901-19	5.6	21
89	Arl5b is a Golgi-localised small G protein involved in the regulation of retrograde transport. <i>Experimental Cell Research</i> , 2012 , 318, 464-77	4.2	19
88	Extended period of asymptomatic prion disease after low dose inoculation: assessment of detection methods and implications for infection control. <i>Neurobiology of Disease</i> , 2005 , 20, 336-46	7.5	19
87	The prion protein constitutively controls neuronal store-operated Ca(2+) entry through Fyn kinase. <i>Frontiers in Cellular Neuroscience</i> , 2015 , 9, 416	6.1	18
86	A brief history of nearly EV-erything - The rise and rise of extracellular vesicles.. <i>Journal of Extracellular Vesicles</i> , 2021 , 10, e12144	16.4	18
85	Sex-specific transcriptional and proteomic signatures in schizophrenia. <i>Nature Communications</i> , 2019 , 10, 3933	17.4	17
84	Detection of prion epitopes on PrP and PrP of transmissible spongiform encephalopathies using specific monoclonal antibodies to PrP. <i>Immunology and Cell Biology</i> , 2005 , 83, 632-7	5	17
83	High Content, Multi-Parameter Analyses in Buccal Cells to Identify Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2016 , 13, 787-99	3	17
82	Oral administration of bovine milk-derived extracellular vesicles induces senescence in the primary tumor but accelerates cancer metastasis. <i>Nature Communications</i> , 2021 , 12, 3950	17.4	17
81	Therapeutically harnessing extracellular vesicles.. <i>Nature Reviews Drug Discovery</i> , 2022 ,	64.1	17

80	Pathogenic mutations within the hydrophobic domain of the prion protein lead to the formation of protease-sensitive prion species with increased lethality. <i>Journal of Virology</i> , 2014 , 88, 2690-703	6.6	16
79	Creutzfeldt-Jakob disease cluster in an Australian rural city. <i>Annals of Neurology</i> , 2002 , 52, 115-8	9.4	16
78	Chronic methamphetamine interacts with BDNF Val66Met to remodel psychosis pathways in the mesocorticolimbic proteome. <i>Molecular Psychiatry</i> , 2021 , 26, 4431-4447	15.1	16
77	Review: Extracellular Vesicles in Joint Inflammation. <i>Arthritis and Rheumatology</i> , 2017 , 69, 1350-1362	9.5	15
76	Both IFN- γ and IL-17 are required for the development of severe autoimmune gastritis. <i>European Journal of Immunology</i> , 2012 , 42, 2574-83	6.1	15
75	Prion subcellular fractionation reveals infectivity spectrum, with a high titre-low PrPres level disparity. <i>Molecular Neurodegeneration</i> , 2012 , 7, 18	19	15
74	PBT2 inhibits glutamate-induced excitotoxicity in neurons through metal-mediated preconditioning. <i>Neurobiology of Disease</i> , 2015 , 81, 176-85	7.5	14
73	iSRAP - a one-touch research tool for rapid profiling of small RNA-seq data. <i>Journal of Extracellular Vesicles</i> , 2015 , 4, 29454	16.4	14
72	APP involvement in retinogenesis of mice. <i>Acta Neuropathologica</i> , 2011 , 121, 351-63	14.3	14
71	Neurotoxic species in prion disease: a role for PrP isoforms?. <i>Journal of Neurochemistry</i> , 2007 , 103, 1709-20	14	14
70	Species-barrier-independent prion replication in apparently resistant species. <i>Apms</i> , 2002 , 110, 44-53	3.4	14
69	Predicting the Presence of Oral Squamous Cell Carcinoma Using Commonly Dysregulated MicroRNA in Oral Swirls. <i>Cancer Prevention Research</i> , 2018 , 11, 491-502	3.2	14
68	HIV disease, metabolic dysfunction and atherosclerosis: A three year prospective study. <i>PLoS ONE</i> , 2019 , 14, e0215620	3.7	13
67	Biologically active constituents of the secretome of human W8B2 cardiac stem cells. <i>Scientific Reports</i> , 2018 , 8, 1579	4.9	13
66	Biochemical typing of scrapie strains. <i>Nature</i> , 1997 , 386, 564-564	50.4	13
65	Neurotoxicity in Alzheimer's disease: is covalently crosslinked A beta responsible?. <i>European Biophysics Journal</i> , 2008 , 37, 265-8	1.9	13
64	High density lipoproteins bind Abeta and apolipoprotein C-II amyloid fibrils. <i>Journal of Lipid Research</i> , 2006 , 47, 755-60	6.3	13
63	Strain variations and species barriers. <i>Contributions To Microbiology</i> , 2001 , 7, 48-57		13

62	Tenofovir alafenamide vs. tenofovir disoproxil fumarate: an updated meta-analysis of 14 894 patients across 14 trials. <i>Aids</i> , 2020 , 34, 2259-2268	3.5	13
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