Andrew F Hill

List of Publications by Year
in descending order

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230 papers	37,105 citations	6233 80 h-index	3257 185 g-index
243 all docs	243 docs citations	243 times ranked	34237 citing authors

#	Article	IF	Citations
1	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. Journal of Extracellular Vesicles, 2018, 7, 1535750.	5.5	6,961
2	Minimal experimental requirements for definition of extracellular vesicles and their functions: a position statement from the International Society for Extracellular Vesicles. Journal of Extracellular Vesicles, 2014, 3, 26913.	5.5	2,110
3	Molecular analysis of prion strain variation and the aetiology of 'new variant' CJD. Nature, 1996, 383, 685-690.	13.7	1,649
4	The same prion strain causes vCJD and BSE. Nature, 1997, 389, 448-450.	13.7	1,307
5	FunRich: An open access standalone functional enrichment and interaction network analysis tool. Proteomics, 2015, 15, 2597-2601.	1.3	1,145
6	Vesiclepedia: A Compendium for Extracellular Vesicles with Continuous Community Annotation. PLoS Biology, 2012, 10, e1001450.	2.6	1,064
7	Applying extracellular vesicles based therapeutics in clinical trials â€“ an ISEV position paper. Journal of Extracellular Vesicles, 2015, 4, 30087.	5.5	1,020
8	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. Nature Methods, 2017, 14, 228-232.	9.0	886
9	Methodological Guidelines to Study Extracellular Vesicles. Circulation Research, 2017, 120, 1632-1648.	2.0	728
10	Techniques used for the isolation and characterization of extracellular vesicles: results of a worldwide survey. Journal of Extracellular Vesicles, 2016, 5, 32945.	5.5	703
11	Investigation of variant Creutzfeldt-Jakob disease and other human prion diseases with tonsil biopsy samples. Lancet, The, 1999, 353, 183-189.	6.3	675
12	Tissue distribution of protease resistant prion protein in variant Creutzfeldt-Jakob disease using a highly sensitive immunoblotting assay. Lancet, The, 2001, 358, 171-180.	6.3	666
13	Exosomes provide a protective and enriched source of miRNA for biomarker profiling compared to intracellular and cellâ€free blood. Journal of Extracellular Vesicles, 2014, 3, .	5.5	642
14	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA â€“ an ISEV position paper. Journal of Extracellular Vesicles, 2017, 6, 1286095.	5.5	561
15	Cell-Cell Communication between Malaria-Infected Red Blood Cells via Exosome-like Vesicles. Cell, 2013, 153, 1120-1133.	13.5	508
16	Diagnosis of new variant Creutzfeldt-Jakob disease by tonsil biopsy. Lancet, The, 1997, 349, 99-100.	6.3	420
17	Small RNA deep sequencing reveals a distinct miRNA signature released in exosomes from prion-infected neuronal cells. Nucleic Acids Research, 2012, 40, 10937-10949.	6.5	402
18	Defining mesenchymal stromal cell (MSC)â€derived small extracellular vesicles for therapeutic applications. Journal of Extracellular Vesicles, 2019, 8, 1609206.	5.5	400

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19	Packaging of prions into exosomes is associated with a novel pathway of PrP processing. Journal of Pathology, 2007, 211, 582-590.	2.1	375
20	Intercellular propagated misfolding of wild-type Cu/Zn superoxide dismutase occurs via exosome-dependent and -independent mechanisms. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 3620-3625.	3.3	373
21	Exosomes: Vehicles for the Transfer of Toxic Proteins Associated with Neurodegenerative Diseases?. Frontiers in Physiology, 2012, 3, 124.	1.3	339
22	BSE prions propagate as either variant CJD-like or sporadic CJD-like prion strains in transgenic mice expressing human prion protein. EMBO Journal, 2002, 21, 6358-6366.	3.5	317
23	EVpedia: a community web portal for extracellular vesicles research. Bioinformatics, 2015, 31, 933-939.	1.8	317
24	Prognostic serum miRNA biomarkers associated with Alzheimerâ€™s disease shows concordance with neuropsychological and neuroimaging assessment. Molecular Psychiatry, 2015, 20, 1188-1196.	4.1	315
25	Molecular classification of sporadic Creutzfeldtâ€“Jakob disease. Brain, 2003, 126, 1333-1346.	3.7	301
26	Characterization and deep sequencing analysis of exosomal and non-exosomal miRNA in human urine. Kidney International, 2014, 86, 433-444.	2.6	295
27	Strain-specific prion-protein conformation determined by metal ions. Nature Cell Biology, 1999, 1, 55-59.	4.6	285
28	Degradation of the Alzheimer Disease Amyloid Î²-Peptide by Metal-dependent Up-regulation of Metalloprotease Activity. Journal of Biological Chemistry, 2006, 281, 17670-17680.	1.6	267
29	Therapeutically harnessing extracellular vesicles. Nature Reviews Drug Discovery, 2022, 21, 379-399.	21.5	263
30	Human Prion Protein with Valine 129 Prevents Expression of Variant CJD Phenotype. Science, 2004, 306, 1793-1796.	6.0	246
31	Dopamine promotes Î±â€synuclein aggregation into SDSâ€resistant soluble oligomers via a distinct folding pathway. FASEB Journal, 2005, 19, 1377-1379.	0.2	239
32	Extracellular Vesicles and Neurodegenerative Diseases. Journal of Neuroscience, 2019, 39, 9269-9273.	1.7	234
33	Inhibition of Î³â€secretase causes increased secretion of amyloid precursor protein Câ€terminal fragments in association with exosomes. FASEB Journal, 2008, 22, 1469-1478.	0.2	230
34	The role of exosomes in the processing of proteins associated with neurodegenerative diseases. European Biophysics Journal, 2008, 37, 323-332.	1.2	220
35	A rigorous method to enrich for exosomes from brain tissue. Journal of Extracellular Vesicles, 2017, 6, 1348885.	5.5	218
36	MYRF Is a Membrane-Associated Transcription Factor That Autoproteolytically Cleaves to Directly Activate Myelin Genes. PLoS Biology, 2013, 11, e1001625.	2.6	198

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37	Focus on Extracellular Vesicles: Exosomes and Their Role in Protein Trafficking and Biomarker Potential in Alzheimerâ€™s and Parkinsonâ€™s Disease. International Journal of Molecular Sciences, 2016, 17, 173.	1.8	196
38	Unaltered susceptibility to BSE in transgenic mice expressing human prion protein. Nature, 1995, 378, 779-783.	13.7	193
39	The Neutral Sphingomyelinase Pathway Regulates Packaging of the Prion Protein into Exosomes. Journal of Biological Chemistry, 2015, 290, 3455-3467.	1.6	192
40	Exosomes in the Pathology of Neurodegenerative Diseases. Journal of Biological Chemistry, 2016, 291, 26589-26597.	1.6	190
41	Updating the MISEV minimal requirements for extracellular vesicle studies: building bridges to reproducibility. Journal of Extracellular Vesicles, 2017, 6, 1396823.	5.5	185
42	Enrichment of prion protein in exosomes derived from ovine cerebral spinal fluid. Veterinary Immunology and Immunopathology, 2008, 124, 385-393.	0.5	183
43	Urinary extracellular vesicles: A position paper by the Urine Task Force of the International Society for Extracellular Vesicles. Journal of Extracellular Vesicles, 2021, 10, e12093.	5.5	182
44	Extracellular vesicles â€“ Their role in the packaging and spread of misfolded proteins associated with neurodegenerative diseases. Seminars in Cell and Developmental Biology, 2015, 40, 89-96.	2.3	178
45	Selective Intracellular Release of Copper and Zinc Ions from Bis(thiosemicarbazonato) Complexes Reduces Levels of Alzheimer Disease Amyloid-Î² Peptide. Journal of Biological Chemistry, 2008, 283, 4568-4577.	1.6	177
46	Impaired Extracellular Secretion of Mutant Superoxide Dismutase 1 Associates with Neurotoxicity in Familial Amyotrophic Lateral Sclerosis. Journal of Neuroscience, 2005, 25, 108-117.	1.7	175
47	Role of ABCG1 and ABCA1 in Regulation of Neuronal Cholesterol Efflux to Apolipoprotein E Discs and Suppression of Amyloid-Î² Peptide Generation. Journal of Biological Chemistry, 2007, 282, 2851-2861.	1.6	168
48	Oncogenic H-Ras Reprograms Madin-Darby Canine Kidney (MDCK) Cell-derived Exosomal Proteins Following Epithelial-Mesenchymal Transition. Molecular and Cellular Proteomics, 2013, 12, 2148-2159.	2.5	167
49	Small RNA deep sequencing discriminates subsets of extracellular vesicles released by melanoma cells â€“ Evidence of unique microRNA cargos. RNA Biology, 2015, 12, 810-823.	1.5	164
50	Quinacrine does not prolong survival in a murine Creutzfeldt-Jakob disease model. Annals of Neurology, 2002, 52, 503-506.	2.8	160
51	Malaria parasite DNA-harbouring vesicles activate cytosolic immune sensors. Nature Communications, 2017, 8, 1985.	5.8	160
52	The hypoxia imaging agent CuII(atsm) is neuroprotective and improves motor and cognitive functions in multiple animal models of Parkinsonâ€™s disease. Journal of Experimental Medicine, 2012, 209, 837-854.	4.2	151
53	A brief history of nearly EVâ€erything â€“ The rise and rise of extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12144.	5.5	150
54	The role of extracellular vesicles in neurodegenerative diseases. Biochemical and Biophysical Research Communications, 2017, 483, 1178-1186.	1.0	147

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55	Updating MISEV: Evolving the minimal requirements for studies of extracellular vesicles. Journal of Extracellular Vesicles, 2021, 10, e12182.	5.5	147
56	A standardized method to determine the concentration of extracellular vesicles using tunable resistive pulse sensing. Journal of Extracellular Vesicles, 2016, 5, 31242.	5.5	142
57	Rescue of neurophysiological phenotype seen in PrP null mice by transgene encoding human prion protein. Nature Genetics, 1995, 9, 197-201.	9.4	141
58	Helicobacter pylori Outer Membrane Vesicle Size Determines Their Mechanisms of Host Cell Entry and Protein Content. Frontiers in Immunology, 2018, 9, 1466.	2.2	139
59	Prionâ€infected cells regulate the release of exosomes with distinct ultrastructural features. FASEB Journal, 2012, 26, 4160-4173.	0.2	131
60	C-terminal truncation and Parkinson's disease-associated mutations down-regulate the protein serine/threonine kinase activity of PTEN-induced kinase-1. Human Molecular Genetics, 2006, 15, 3251-3262.	1.4	130
61	ISEV position paper: extracellular vesicle RNA analysis and bioinformatics. Journal of Extracellular Vesicles, 2013, 2, .	5.5	126
62	Critical considerations for the development of potency tests for therapeutic applications of mesenchymal stromal cell-derived small extracellular vesicles. Cytotherapy, 2021, 23, 373-380.	0.3	125
63	ATPâ€binding cassette transporter A7 regulates processing of amyloid precursor protein in vitro. Journal of Neurochemistry, 2008, 106, 793-804.	2.1	124
64	Stimulating the Release of Exosomes Increases the Intercellular Transfer of Prions. Journal of Biological Chemistry, 2016, 291, 5128-5137.	1.6	119
65	Tracking Mutant Huntingtin Aggregation Kinetics in Cells Reveals Three Major Populations That Include an Invariant Oligomer Pool. Journal of Biological Chemistry, 2010, 285, 21807-21816.	1.6	113
66	Molecular and clinical classification of human prion disease. British Medical Bulletin, 2003, 66, 241-254.	2.7	110
67	Multiple folding pathways for heterologously expressed human prion protein. BBA - Proteins and Proteomics, 1999, 1431, 1-13.	2.1	106
68	Formation of dopamine-mediated Î±-synuclein-soluble oligomers requires methionine oxidation. Free Radical Biology and Medicine, 2009, 46, 1328-1337.	1.3	104
69	The detection of microRNA associated with Alzheimer's disease in biological fluids using next-generation sequencing technologies. Frontiers in Genetics, 2013, 4, 150.	1.1	103
70	Extracellular vesicles: interneural shuttles of complex messages. Current Opinion in Neurobiology, 2016, 39, 101-107.	2.0	103
71	BRAF ^{V600} inhibition alters the microRNA cargo in the vesicular secretome of malignant melanoma cells. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E5930-E5939.	3.3	101
72	Subclinical prion infection. Trends in Microbiology, 2003, 11, 578-584.	3.5	99

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73	Delineating common molecular mechanisms in Alzheimer's and prion diseases. Trends in Biochemical Sciences, 2006, 31, 465-472.	3.7	98
74	Deletions in the prion protein gene are not associated with CJD. Human Molecular Genetics, 1993, 2, 541-544.	1.4	97
75	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. Cytotherapy, 2020, 22, 482-485.	0.3	94
76	Distinct glycoform ratios of protease resistant prion protein associated with PRNP point mutations. Brain, 2006, 129, 676-685.	3.7	93
77	Non-coding RNAs in Mesenchymal Stem Cell-Derived Extracellular Vesicles: Deciphering Regulatory Roles in Stem Cell Potency, Inflammatory Resolve, and Tissue Regeneration. Frontiers in Genetics, 2017, 8, 161.	1.1	90
78	Molecular screening of sheep for bovine spongiform encephalopathy. Neuroscience Letters, 1998, 255, 159-162.	1.0	86
79	Dopamine and the Dopamine Oxidation Product 5,6-Dihydroxylindole Promote Distinct On-Pathway and Off-Pathway Aggregation of Î±-Synuclein in a pH-Dependent Manner. Journal of Molecular Biology, 2009, 387, 771-785.	2.0	86
80	Disease Mechanisms in ALS: Misfolded SOD1 Transferred Through Exosome-Dependent and Exosome-Independent Pathways. Cellular and Molecular Neurobiology, 2016, 36, 377-381.	1.7	80
81	Staphylococcus aureus membrane vesicles contain immunostimulatory DNA, RNA and peptidoglycan that activate innate immune receptors and induce autophagy. Journal of Extracellular Vesicles, 2021, 10, e12080.	5.5	80
82	Enrichment of extracellular vesicles from human synovial fluid using size exclusion chromatography. Journal of Extracellular Vesicles, 2018, 7, 1490145.	5.5	78
83	Pathogenic mechanisms of prion protein, amyloidâ€Î² and Î±â€synuclein misfolding: the prion concept and neurotoxicity of protein oligomers. Journal of Neurochemistry, 2016, 139, 162-180.	2.1	77
84	Fatal familial insomnia: a new Austrian family. Brain, 1999, 122, 5-16.	3.7	74
85	Influence of species and processing parameters on recovery and content of brain tissueâ€derived extracellular vesicles. Journal of Extracellular Vesicles, 2020, 9, 1785746.	5.5	72
86	Oral administration of bovine milk-derived extracellular vesicles induces senescence in the primary tumor but accelerates cancer metastasis. Nature Communications, 2021, 12, 3950.	5.8	70
87	Prion protein glycosylation. Journal of Neurochemistry, 2005, 93, 793-801.	2.1	69
88	A cell line infectible by prion strains from different species. Journal of General Virology, 2008, 89, 341-347.	1.3	69
89	Sublethal Concentrations of Prion Peptide PrP106â€“126 or the Amyloid Beta Peptide of Alzheimer's Disease Activates Expression of Proapoptotic Markers in Primary Cortical Neurons. Neurobiology of Disease, 2001, 8, 299-316.	2.1	66
90	Proteasome-mediated degradation of the C-terminus of the Alzheimer's disease ?-amyloid protein precursor: Effect of C-terminal truncation on production of ?-amyloid protein. Journal of Neuroscience Research, 2003, 74, 378-385.	1.3	66

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91	Subclinical prion infection in humans and animals. British Medical Bulletin, 2003, 66, 161-170.	2.7	66
92	Correlative studies support lipid peroxidation is linked to PrPres propagation as an early primary pathogenic event in prion disease. Brain Research Bulletin, 2006, 68, 346-354.	1.4	66
93	A clinical study of kuru patients with long incubation periods at the end of the epidemic in Papua New Guinea. Philosophical Transactions of the Royal Society B: Biological Sciences, 2008, 363, 3725-3739.	1.8	65
94	Methods for loading therapeutics into extracellular vesicles and generating extracellular vesicles mimetic-nanovesicles. Methods, 2020, 177, 103-113.	1.9	64
95	Characterization of brainâ€derived extracellular vesicle lipids in Alzheimer's disease. Journal of Extracellular Vesicles, 2021, 10, e12089.	5.5	64
96	Formation of a High Affinity Lipid-Binding Intermediate during the Early Aggregation Phase of Î±-Synuclein. Biochemistry, 2008, 47, 1425-1434.	1.2	62
97	Kuru prions and sporadic Creutzfeldtâ€“Jakob disease prions have equivalent transmission properties in transgenic and wild-type mice. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3885-3890.	3.3	62
98	Summary of the ISEV workshop on extracellular vesicles as disease biomarkers, held in Birmingham, UK, during December 2017. Journal of Extracellular Vesicles, 2018, 7, 1473707.	5.5	60
99	Mouse-adapted sporadic human Creutzfeldtâ€“Jakob disease prions propagate in cell culture. International Journal of Biochemistry and Cell Biology, 2008, 40, 2793-2801.	1.2	59
100	Regulation of Prion Gene Expression by Transcription Factors SP1 and Metal Transcription Factor-1. Journal of Biological Chemistry, 2009, 284, 1291-1301.	1.6	59
101	Small RNA fingerprinting of Alzheimer's disease frontal cortex extracellular vesicles and their comparison with peripheral extracellular vesicles. Journal of Extracellular Vesicles, 2020, 9, 1766822.	5.5	59
102	Differential modulation of Alzheimer's disease amyloid Î²-peptide accumulation by diverse classes of metal ligands. Biochemical Journal, 2007, 407, 435-450.	1.7	58
103	The role of lipids in Î±-synuclein misfolding and neurotoxicity. Journal of Biological Chemistry, 2019, 294, 9016-9028.	1.6	55
104	Impact of 27-Hydroxycholesterol on Amyloid-Î² Peptide Production and ATP-Binding Cassette Transporter Expression in Primary Human Neurons. Journal of Alzheimer's Disease, 2009, 16, 121-131.	1.2	55
105	Intracellular Itinerary of Internalised Î²â€Secretase, <scp>BACE1</scp>, and Its Potential Impact on Î²â€Amyloid Peptide Biogenesis. Traffic, 2013, 14, 997-1013.	1.3	51
106	Intercellular Resistance to BRAF Inhibition Can Be Mediated by Extracellular Vesicleâ€“Associated PDGFRÎ². Neoplasia, 2017, 19, 932-940.	2.3	50
107	Tight Junction Protein Claudin-2 Promotes Self-Renewal of Human Colorectal Cancer Stem-like Cells. Cancer Research, 2018, 78, 2925-2938.	0.4	50
108	Proteomic and Postâ€Translational Modification Profiling of Exosomeâ€Mimetic Nanovesicles Compared to Exosomes. Proteomics, 2019, 19, e1800161.	1.3	49

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109	Disruption of prion proteinâ€“HOP engagement impairs glioblastoma growth and cognitive decline and improves overall survival. Oncogene, 2015, 34, 3305-3314.	2.6	47
110	Increased Proportions of C1 Truncated Prion Protein Protect Against Cellular M1000 Prion Infection. Journal of Neuropathology and Experimental Neurology, 2009, 68, 1125-1135.	0.9	46
111	SERF Protein Is a Direct Modifier of Amyloid Fiber Assembly. Cell Reports, 2012, 2, 358-371.	2.9	46
112	Exosomes and their role in the intercellular trafficking of normal and disease associated prion proteins. Molecular Aspects of Medicine, 2018, 60, 62-68.	2.7	45
113	Towards mechanisms and standardization in extracellular vesicle and extracellular RNA studies: results of a worldwide survey. Journal of Extracellular Vesicles, 2018, 7, 1535745.	5.5	45
114	Extracellular vesicles â€“ propagators of neuropathology and sources of potential biomarkers and therapeutics for neurodegenerative diseases. Journal of Cell Science, 2020, 133, .	1.2	44
115	New variant Creutzfeldt-Jakob disease in France. Lancet, The, 1997, 349, 30-31.	6.3	43
116	Prion Strains and Species Barriers. , 2004, 11, 33-49.		43
117	A Truncated Fragment of Src Protein Kinase Generated by Calpain-mediated Cleavage Is a Mediator of Neuronal Death in Excitotoxicity. Journal of Biological Chemistry, 2013, 288, 9696-9709.	1.6	42
118	Polyalanine expansions drive a shift into Î±-helical clusters without amyloid-fibril formation. Nature Structural and Molecular Biology, 2015, 22, 1008-1015.	3.6	42
119	A domain level interaction network of amyloid precursor protein and AÎ² of Alzheimer's disease. Proteomics, 2010, 10, 2377-2395.	1.3	41
120	Sex-specific transcriptional and proteomic signatures in schizophrenia. Nature Communications, 2019, 10, 3933.	5.8	41
121	Defining the purity of exosomes required for diagnostic profiling of small RNA suitable for biomarker discovery. RNA Biology, 2017, 14, 245-258.	1.5	40
122	Misfolded Polyglutamine, Polyalanine, and Superoxide Dismutase 1 Aggregate via Distinct Pathways in the Cell. Journal of Biological Chemistry, 2014, 289, 6669-6680.	1.6	39
123	Conformation Sensors that Distinguish Monomeric Proteins from Oligomers in Live Cells. Chemistry and Biology, 2010, 17, 371-379.	6.2	38
124	Understanding extracellular vesicle and nanoparticle heterogeneity: Novel methods and considerations. Proteomics, 2021, 21, e2000118.	1.3	38
125	Australian sporadic CJD analysis supports endogenous determinants of molecular-clinical profiles. Neurology, 2005, 65, 113-118.	1.5	37
126	Manganese chelation therapy extends survival in a mouse model of M1000 prion disease. Journal of Neurochemistry, 2010, 114, 440-451.	2.1	37

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127	Chronic methamphetamine interacts with BDNF Val66Met to remodel psychosis pathways in the mesocorticolimbic proteome. Molecular Psychiatry, 2021, 26, 4431-4447.	4.1	37
128	Molecular biology of prion propagation. Current Opinion in Genetics and Development, 1999, 9, 338-345.	1.5	36
129	PrPC-related signal transduction is influenced by copper, membrane integrity and the alpha cleavage site. Cell Research, 2009, 19, 1062-1078.	5.7	36
130	Conservation of a Glycine-rich Region in the Prion Protein Is Required for Uptake of Prion Infectivity. Journal of Biological Chemistry, 2010, 285, 20213-20223.	1.6	36
131	Decreased expression of GGA3 Protein in Alzheimer's disease frontal cortex and increased co-distribution of BACE with the amyloid precursor protein. Neurobiology of Disease, 2011, 43, 176-183.	2.1	36
132	The secret life of extracellular vesicles in metal homeostasis and neurodegeneration. Biology of the Cell, 2015, 107, 389-418.	0.7	36
133	Conformational detection of prion protein with biarsenical labeling and FlAsH fluorescence. Biochemical and Biophysical Research Communications, 2009, 380, 564-568.	1.0	33
134	The brain to gut pathway: a possible route of prion transmission. Gut, 2010, 59, 1643-1651.	6.1	32
135	Anionic Phospholipid Interactions of the Prion Protein N Terminus Are Minimally Perturbing and Not Driven Solely by the Octapeptide Repeat Domain. Journal of Biological Chemistry, 2010, 285, 32282-32292.	1.6	31
136	Prion Infection Impairs Cholesterol Metabolism in Neuronal Cells. Journal of Biological Chemistry, 2014, 289, 789-802.	1.6	31
137	Quantitative Analysis of Exosomal miRNA via qPCR and Digital PCR. Methods in Molecular Biology, 2017, 1545, 55-70.	0.4	31
138	Tenofovir alafenamide vs. tenofovir disoproxil fumarate: an updated meta-analysis of 14â€Š894 patients across 14 trials. Aids, 2020, 34, 2259-2268.	1.0	30
139	Considerations for the Analysis of Bacterial Membrane Vesicles: Methods of Vesicle Production and Quantification Can Influence Biological and Experimental Outcomes. Microbiology Spectrum, 2021, 9, e0127321.	1.2	30
140	Predicting the Presence of Oral Squamous Cell Carcinoma Using Commonly Dysregulated MicroRNA in Oral Swirls. Cancer Prevention Research, 2018, 11, 491-502.	0.7	28
141	Activation of epidermal growth factor receptor by metal-ligand complexes decreases levels of extracellular amyloid beta peptide. International Journal of Biochemistry and Cell Biology, 2008, 40, 1901-1917.	1.2	26
142	Arl5b is a Golgi-localised small G protein involved in the regulation of retrograde transport. Experimental Cell Research, 2012, 318, 464-477.	1.2	26
143	Biologically active constituents of the secretome of human W8B2+ cardiac stem cells. Scientific Reports, 2018, 8, 1579.	1.6	26
144	Amyloid Precursor Protein Mediates Neuronal Protection from Rotenone Toxicity. Molecular Neurobiology, 2019, 56, 5471-5482.	1.9	25

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145	Evidence for prion protein expression in enteroglial cells of the myenteric plexus of mouse intestine. Autonomic Neuroscience: Basic and Clinical, 2008, 140, 17-23.	1.4	24
146	Residues Surrounding the Glycosylphosphatidylinositol Anchor Attachment Site of PrP Modulate Prion Infection: Insight from the Resistance of Rabbits to Prion Disease. Journal of Virology, 2010, 84, 6678-6686.	1.5	24
147	The prion protein constitutively controls neuronal store-operated Ca2+ entry through Fyn kinase. Frontiers in Cellular Neuroscience, 2015, 9, 416.	1.8	24
148	Extending gene ontology in the context of extracellular RNA and vesicle communication. Journal of Biomedical Semantics, 2016, 7, 19.	0.9	24
149	Revealing the Proteome of Motor Cortex Derived Extracellular Vesicles Isolated from Amyotrophic Lateral Sclerosis Human Postmortem Tissues. Cells, 2020, 9, 1709.	1.8	24
150	Creutzfeldt-Jakob disease cluster in an Australian rural city. Annals of Neurology, 2002, 52, 115-118.	2.8	23
151	High Content, Multi-Parameter Analyses in Buccal Cells to Identify Alzheimer's Disease. Current Alzheimer Research, 2016, 13, 787-799.	0.7	23
152	Species-barrier-independent prion replication in apparently resistant species. Apmis, 2002, 110, 44-53.	0.9	22
153	Glycosaminoglycan Sulphation Affects the Seeded Misfolding of a Mutant Prion Protein. PLoS ONE, 2010, 5, e12351.	1.1	21
154	Both <scp>IFN</scp>â€Î³ and <scp>IL</scp>â€17 are required for the development of severe autoimmune gastritis. European Journal of Immunology, 2012, 42, 2574-2583.	1.6	21
155	Pathogenic Mutations within the Hydrophobic Domain of the Prion Protein Lead to the Formation of Protease-Sensitive Prion Species with Increased Lethality. Journal of Virology, 2014, 88, 2690-2703.	1.5	21
156	Proteomic analysis of extracellular vesicles reveals an immunogenic cargo in rheumatoid arthritis synovial fluid. Clinical and Translational Immunology, 2020, 9, e1185.	1.7	21
157	Extended period of asymptomatic prion disease after low dose inoculation: Assessment of detection methods and implications for infection control. Neurobiology of Disease, 2005, 20, 336-346.	2.1	20
158	APP involvement in retinogenesis of mice. Acta Neuropathologica, 2011, 121, 351-363.	3.9	20
159	HIV disease, metabolic dysfunction and atherosclerosis: A three year prospective study. PLoS ONE, 2019, 14, e0215620.	1.1	20
160	Modification of lipid rafts by extracellular vesicles carrying HIV-1 protein Nef induces redistribution of amyloid precursor protein and Tau, causing neuronal dysfunction. Journal of Biological Chemistry, 2020, 295, 13377-13392.	1.6	20
161	Strain Variations and Species Barriers. , 2000, 7, 48-57.		19
162	Review: Extracellular Vesicles in Joint Inflammation. Arthritis and Rheumatology, 2017, 69, 1350-1362.	2.9	19

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163	Efficacy, Tolerability, and Biomarker Analyses of Once-Every-2-Weeks Cetuximab Plus First-Line FOLFOX or FOLFIRI in Patients With KRAS or All RAS Wild-Type Metastatic Colorectal Cancer: The Phase 2 APEC Study. Clinical Colorectal Cancer, 2017, 16, e73-e88.	1.0	19
164	Biochemical typing of scrapie strains. Nature, 1997, 386, 564-564.	13.7	18
165	Detection of prion epitopes on PrP c and PrP sc of transmissible spongiform encephalopathies using specific monoclonal antibodies to PrP. Immunology and Cell Biology, 2005, 83, 632-637.	1.0	18
166	Markers of A1 astrocytes stratify to molecular sub-types in sporadic Creutzfeldtâ€“Jakob disease brain. Brain Communications, 2020, 2, fcaa029.	1.5	18
167	Type of prion protein in UK farmers with Creutzfeldt-Jakob disease. Lancet, The, 1997, 350, 188.	6.3	17
168	Elevation in Sphingomyelin Synthase Activity Is Associated with Increases in Amyloid-Beta Peptide Generation. PLoS ONE, 2013, 8, e74016.	1.1	17
169	PBT2 inhibits glutamate-induced excitotoxicity in neurons through metal-mediated preconditioning. Neurobiology of Disease, 2015, 81, 176-185.	2.1	17
170	Extracellular Vesicles in Synovial Fluid from Rheumatoid Arthritis Patients Contain miRNAs with Capacity to Modulate Inflammation. International Journal of Molecular Sciences, 2021, 22, 4910.	1.8	17
171	Lipid metabolism in patients infected with Nef-deficient HIV-1 strain. Atherosclerosis, 2016, 244, 22-28.	0.4	16
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