Andrew F Hill

List of Publications by Year in Descending Order

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	Neuroinflammatory Modulation of Extracellular Vesicle Biogenesis and Cargo Loading.. *NeuroMolecular Medicine*, **2022**, 1	4.6	0
222	Cathelicidin-3 Associated With Serum Extracellular Vesicles Enables Early Diagnosis of a Transmissible Cancer.. *Frontiers in Immunology*, **2022**, 13, 858423	8.4	1
221	Therapeutically harnessing extracellular vesicles.. *Nature Reviews Drug Discovery*, **2022**,	64.1	17
220	Extracellular vesicles with diagnostic and therapeutic potential for prion diseases.. *Cell and Tissue Research*, **2022**, 1	4.2	1
219	Abundant small RNAs in the reproductive tissues and eggs of the honey bee, Apis mellifera.. *BMC Genomics*, **2022**, 23, 257	4.5	1
218	Ubiquitin-like protein 3 (UBL3) is required for MARCH ubiquitination of major histocompatibility complex class II and CD86.. *Nature Communications*, **2022**, 13, 1934	17.4	1
217	A brief history of nearly EV-erything - The rise and rise of extracellular vesicles.. *Journal of Extracellular Vesicles*, **2021**, 10, e12144	16.4	18
216	Extracellular vesicle proteomes of two transmissible cancers of Tasmanian devils reveal tenascin-C as a serum-based differential diagnostic biomarker. *Cellular and Molecular Life Sciences*, **2021**, 78, 7537-7553	10.2	4
215	Distribution of microRNA profiles in pre-clinical and clinical forms of murine and human prion disease. *Communications Biology*, **2021**, 4, 411	6.7	6
214	membrane vesicles contain immunostimulatory DNA, RNA and peptidoglycan that activate innate immune receptors and induce autophagy. *Journal of Extracellular Vesicles*, **2021**, 10, e12080	16.4	23
213	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	16.4	38
212	Critical considerations for the development of potency tests for therapeutic applications of mesenchymal stromal cell-derived small extracellular vesicles. *Cytotherapy*, **2021**, 23, 373-380	4.8	41
211	Characterization of brain-derived extracellular vesicle lipids in Alzheimer's disease. *Journal of Extracellular Vesicles*, **2021**, 10, e12089	16.4	10
210	Understanding extracellular vesicle and nanoparticle heterogeneity: Novel methods and considerations. *Proteomics*, **2021**, 21, e2000118	4.8	11
209	Extracellular Vesicles in Synovial Fluid from Rheumatoid Arthritis Patients Contain miRNAs with Capacity to Modulate Inflammation. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	4
208	Oral administration of bovine milk-derived extracellular vesicles induces senescence in the primary tumor but accelerates cancer metastasis. *Nature Communications*, **2021**, 12, 3950	17.4	17
207	Chronic methamphetamine interacts with BDNF Val66Met to remodel psychosis pathways in the mesocorticolimbic proteome. *Molecular Psychiatry*, **2021**, 26, 4431-4447	15.1	16

206	Repeated acute stress modulates hepatic inflammation and markers of macrophage polarisation in the rat. *Biochimie*, **2021**, 180, 30-42	4.6	0
205	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	8.9	4
204	An intact membrane is essential for small extracellular vesicle-induced modulation of □synuclein fibrillization. *Journal of Extracellular Vesicles*, **2020**, 10, e12034	16.4	3
203	Extracellular vesicles - propagators of neuropathology and sources of potential biomarkers and therapeutics for neurodegenerative diseases. *Journal of Cell Science*, **2020**, 133,	5.3	21
202	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	4.8	59
201	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	16.4	24
200	Circulating Small Noncoding RNA Biomarkers of Response to Triple Disease-modifying Antirheumatic Drug Therapy in White Women With Early Rheumatoid Arthritis. *Journal of Rheumatology*, **2020**, 47, 1746-1751	4.1	1
199	Methods for loading therapeutics into extracellular vesicles and generating extracellular vesicles mimetic-nanovesicles. *Methods*, **2020**, 177, 103-113	4.6	30
198	Markers of A1 astrocytes stratify to molecular sub-types in sporadic Creutzfeldt-Jakob disease brain. *Brain Communications*, **2020**, 2, fcaa029	4.5	9
197	Influence of species and processing parameters on recovery and content of brain tissue-derived extracellular vesicles. *Journal of Extracellular Vesicles*, **2020**, 9, 1785746	16.4	32
196	Proteomic analysis of extracellular vesicles reveals an immunogenic cargo in rheumatoid arthritis synovial fluid. *Clinical and Translational Immunology*, **2020**, 9, e1185	6.8	6
195	Tenofovir alafenamide vs. tenofovir disoproxil fumarate: an updated meta-analysis of 14 894 patients across 14 trials. *Aids*, **2020**, 34, 2259-2268	3.5	13
194	Revealing the Proteome of Motor Cortex Derived Extracellular Vesicles Isolated from Amyotrophic Lateral Sclerosis Human Postmortem Tissues. *Cells*, **2020**, 9,	7.9	12
193	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	5.4	9
192	Restraint Stress Alters Expression of Glucocorticoid Bioavailability Mediators, Suppresses Nrf2, and Promotes Oxidative Stress in Liver Tissue. *Antioxidants*, **2020**, 9,	7.1	3
191	Misfolded □synuclein causes hyperactive respiration without functional deficit in live neuroblastoma cells. *DMM Disease Models and Mechanisms*, **2020**, 13,	4.1	12
190	Extracellular vesicles in neurodegenerative disorders **2020**, 285-305		5
189	Amyloid Precursor Protein Mediates Neuronal Protection from Rotenone Toxicity. *Molecular Neurobiology*, **2019**, 56, 5471-5482	6.2	8

188	Sex-specific transcriptional and proteomic signatures in schizophrenia. *Nature Communications*, **2019**, 10, 3933	17.4	17
187	The role of lipids in -synuclein misfolding and neurotoxicity. *Journal of Biological Chemistry*, **2019**, 294, 9016-9028	5.4	30
186	HIV disease, metabolic dysfunction and atherosclerosis: A three year prospective study. *PLoS ONE*, **2019**, 14, e0215620	3.7	13
185	Defining mesenchymal stromal cell (MSC)-derived small extracellular vesicles for therapeutic applications. *Journal of Extracellular Vesicles*, **2019**, 8, 1609206	16.4	227
184	Proteomic and Post-Translational Modification Profiling of Exosome-Mimetic Nanovesicles Compared to Exosomes. *Proteomics*, **2019**, 19, e1800161	4.8	27
183	O7.7. NEUROBIOLOGICAL ROOTS OF SCHIZOPHRENIA. *Schizophrenia Bulletin*, **2019**, 45, S182-S182	1.3	78
182	Extracellular Vesicles and Neurodegenerative Diseases. *Journal of Neuroscience*, **2019**, 39, 9269-9273	6.6	93
181	Novel miR-29b target regulation patterns are revealed in two different cell lines. *Scientific Reports*, **2019**, 9, 17449	4.9	2
180	Amyloid Precursor Protein Dimerisation Reduces Neurite Outgrowth. *Molecular Neurobiology*, **2019**, 56, 13-28	6.2	8
179	Tight Junction Protein Claudin-2 Promotes Self-Renewal of Human Colorectal Cancer Stem-like Cells. *Cancer Research*, **2018**, 78, 2925-2938	10.1	35
178	Biologically active constituents of the secretome of human W8B2 cardiac stem cells. *Scientific Reports*, **2018**, 8, 1579	4.9	13
177	Outer Membrane Vesicle Size Determines Their Mechanisms of Host Cell Entry and Protein Content. *Frontiers in Immunology*, **2018**, 9, 1466	8.4	70
176	Ablation of tau causes an olfactory deficit in a murine model of Parkinson's disease. *Acta Neuropathologica Communications*, **2018**, 6, 57	7.3	7
175	Enrichment of extracellular vesicles from human synovial fluid using size exclusion chromatography. *Journal of Extracellular Vesicles*, **2018**, 7, 1490145	16.4	46
174	Modulating Protein Phosphatase 2A Rescues Disease Phenotype in Neurodegenerative Tauopathies. *ACS Chemical Neuroscience*, **2018**, 9, 2731-2740	5.7	12
173	Exosomes and their role in the intercellular trafficking of normal and disease associated prion proteins. *Molecular Aspects of Medicine*, **2018**, 60, 62-68	16.7	38
172	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	16.4	3642
171	Towards mechanisms and standardization in extracellular vesicle and extracellular RNA studies: results of a worldwide survey. *Journal of Extracellular Vesicles*, **2018**, 7, 1535745	16.4	35

170	Predicting the Presence of Oral Squamous Cell Carcinoma Using Commonly Dysregulated MicroRNA in Oral Swirls. *Cancer Prevention Research*, **2018**, 11, 491-502	3.2	14
169	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	16.4	42
168	Review: Extracellular Vesicles in Joint Inflammation. *Arthritis and Rheumatology*, **2017**, 69, 1350-1362	9.5	15
167	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA - an ISEV position paper. *Journal of Extracellular Vesicles*, **2017**, 6, 1286095	16.4	410
166	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. *Nature Methods*, **2017**, 14, 228-232	21.6	560
165	Methodological Guidelines to Study Extracellular Vesicles. *Circulation Research*, **2017**, 120, 1632-1648	15.7	490
164	Defining the purity of exosomes required for diagnostic profiling of small RNA suitable for biomarker discovery. *RNA Biology*, **2017**, 14, 245-258	4.8	32
163	Quantitative Analysis of Exosomal miRNA via qPCR and Digital PCR. *Methods in Molecular Biology*, **2017**, 1545, 55-70	1.4	29
162	Small RNA Library Construction for Exosomal RNA from Biological Samples for the Ion Torrent PGM and Ion S5 System. *Methods in Molecular Biology*, **2017**, 1545, 71-90	1.4	5
161	Intercellular Resistance to BRAF Inhibition Can Be Mediated by Extracellular Vesicle-Associated PDGFR *Neoplasia*, **2017**, 19, 932-940	6.4	36
160	Analysis of miRNA Signatures in Neurodegenerative Prion Disease. *Methods in Molecular Biology*, **2017**, 1658, 67-80	1.4	6
159	Generation of Infectious Prions and Detection with the Prion-Infected Cell Assay. *Methods in Molecular Biology*, **2017**, 1658, 105-118	1.4	1
158	A rigorous method to enrich for exosomes from brain tissue. *Journal of Extracellular Vesicles*, **2017**, 6, 1348885	16.4	113
157	Malaria parasite DNA-harbouring vesicles activate cytosolic immune sensors. *Nature Communications*, **2017**, 8, 1985	17.4	91
156	BRAF 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	11.5	68
155	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	3.8	10
154	The role of extracellular vesicles in neurodegenerative diseases. *Biochemical and Biophysical Research Communications*, **2017**, 483, 1178-1186	3.4	106
153	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	4.5	70

152	Pathogenic mechanisms of prion protein, amyloid-β and α-synuclein misfolding: the prion concept and neurotoxicity of protein oligomers. *Journal of Neurochemistry*, **2016**, 139, 162-180	6	59
151	Exosomes in the Pathology of Neurodegenerative Diseases. *Journal of Biological Chemistry*, **2016**, 291, 26589-26597	5.4	140
150	Extending gene ontology in the context of extracellular RNA and vesicle communication. *Journal of Biomedical Semantics*, **2016**, 7, 19	2.2	23
149	Stimulating the Release of Exosomes Increases the Intercellular Transfer of Prions. *Journal of Biological Chemistry*, **2016**, 291, 5128-37	5.4	88
148	Disease Mechanisms in ALS: Misfolded SOD1 Transferred Through Exosome-Dependent and Exosome-Independent Pathways. *Cellular and Molecular Neurobiology*, **2016**, 36, 377-81	4.6	60
147	Lipid metabolism in patients infected with Nef-deficient HIV-1 strain. *Atherosclerosis*, **2016**, 244, 22-8	3.1	12
146	High Content, Multi-Parameter Analyses in Buccal Cells to Identify Alzheimer's Disease. *Current Alzheimer Research*, **2016**, 13, 787-99	3	17
145	Focus on Extracellular Vesicles: Exosomes and Their Role in Protein Trafficking and Biomarker Potential in Alzheimer's and Parkinson's Disease. *International Journal of Molecular Sciences*, **2016**, 17, 173	6.3	135
144	Techniques used for the isolation and characterization of extracellular vesicles: results of a worldwide survey. *Journal of Extracellular Vesicles*, **2016**, 5, 32945	16.4	442
143	A standardized method to determine the concentration of extracellular vesicles using tunable resistive pulse sensing. *Journal of Extracellular Vesicles*, **2016**, 5, 31242	16.4	103
142	Gene dysregulation is restored in the Parkinson's disease MPTP neurotoxic mice model upon treatment of the therapeutic drug Cu(II)(atsm). *Scientific Reports*, **2016**, 6, 22398	4.9	9
141	Extracellular vesicles: interneural shuttles of complex messages. *Current Opinion in Neurobiology*, **2016**, 39, 101-7	7.6	75
140	PBT2 inhibits glutamate-induced excitotoxicity in neurons through metal-mediated preconditioning. *Neurobiology of Disease*, **2015**, 81, 176-85	7.5	14
139	Extracellular vesicles--Their role in the packaging and spread of misfolded proteins associated with neurodegenerative diseases. *Seminars in Cell and Developmental Biology*, **2015**, 40, 89-96	7.5	148
138	Small RNA deep sequencing discriminates subsets of extracellular vesicles released by melanoma cells--Evidence of unique microRNA cargos. *RNA Biology*, **2015**, 12, 810-23	4.8	117
137	Glycosaminoglycan sulfation determines the biochemical properties of prion protein aggregates. *Glycobiology*, **2015**, 25, 745-55	5.8	10
136	Dual role of Src kinase in governing neuronal survival. *Brain Research*, **2015**, 1594, 1-14	3.7	11
135	Prognostic serum miRNA biomarkers associated with Alzheimer's disease shows concordance with neuropsychological and neuroimaging assessment. *Molecular Psychiatry*, **2015**, 20, 1188-96	15.1	220

134	Disruption of prion protein-HOP engagement impairs glioblastoma growth and cognitive decline and improves overall survival. *Oncogene*, **2015**, 34, 3305-14	9.2	35
133	iSRAP - a one-touch research tool for rapid profiling of small RNA-seq data. *Journal of Extracellular Vesicles*, **2015**, 4, 29454	16.4	14
132	Applying extracellular vesicles based therapeutics in clinical trials - an ISEV position paper. *Journal of Extracellular Vesicles*, **2015**, 4, 30087	16.4	722
131	The secret life of extracellular vesicles in metal homeostasis and neurodegeneration. *Biology of the Cell*, **2015**, 107, 389-418	3.5	30
130	FunRich: An open access standalone functional enrichment and interaction network analysis tool. *Proteomics*, **2015**, 15, 2597-601	4.8	735
129	The prion protein constitutively controls neuronal store-operated Ca(2+) entry through Fyn kinase. *Frontiers in Cellular Neuroscience*, **2015**, 9, 416	6.1	18
128	Polyalanine expansions drive a shift into α-helical clusters without amyloid-fibril formation. *Nature Structural and Molecular Biology*, **2015**, 22, 1008-15	17.6	29
127	The neutral sphingomyelinase pathway regulates packaging of the prion protein into exosomes. *Journal of Biological Chemistry*, **2015**, 290, 3455-67	5.4	138
126	EVpedia: a community web portal for extracellular vesicles research. *Bioinformatics*, **2015**, 31, 933-9	7.2	256
125	Misfolded polyglutamine, polyalanine, and superoxide dismutase 1 aggregate via distinct pathways in the cell. *Journal of Biological Chemistry*, **2014**, 289, 6669-6680	5.4	30
124	Prion infection impairs cholesterol metabolism in neuronal cells. *Journal of Biological Chemistry*, **2014**, 289, 789-802	5.4	25
123	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, 2690-703	6.6	16
122	Characterization and deep sequencing analysis of exosomal and non-exosomal miRNA in human urine. *Kidney International*, **2014**, 86, 433-44	9.9	231
121	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	16.4	1589
120	O5-05-02: EXOSOMAL MIRNA AS BIOMARKERS FOR DIAGNOSING ALZHEIMER'S DISEASE **2014**, 10, P299-P300		
119	C-terminal peptides modelling constitutive PrPC processing demonstrate ameliorated toxicity predisposition consequent to α-cleavage. *Biochemical Journal*, **2014**, 459, 103-15	3.8	10
118	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, 3620-5	11.5	293
117	Exosomes provide a protective and enriched source of miRNA for biomarker profiling compared to intracellular and cell-free blood. *Journal of Extracellular Vesicles*, **2014**, 3,	16.4	483

116	Oncogenic H-ras reprograms Madin-Darby canine kidney (MDCK) cell-derived exosomal proteins following epithelial-mesenchymal transition. *Molecular and Cellular Proteomics*, **2013**, 12, 2148-59	7.6	134
115	Intracellular itinerary of internalised β-secretase, BACE1, and its potential impact on β-amyloid peptide biogenesis. *Traffic*, **2013**, 14, 997-1013	5.7	42
114	Cell-cell communication between malaria-infected red blood cells via exosome-like vesicles. *Cell*, **2013**, 153, 1120-33	56.2	372
113	MYRF is a membrane-associated transcription factor that autoproteolytically cleaves to directly activate myelin genes. *PLoS Biology*, **2013**, 11, e1001625	9.7	143
112	The detection of microRNA associated with Alzheimer's disease in biological fluids using next-generation sequencing technologies. *Frontiers in Genetics*, **2013**, 4, 150	4.5	88
111	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	5.4	31
110	ISEV position paper: extracellular vesicle RNA analysis and bioinformatics. *Journal of Extracellular Vesicles*, **2013**, 2,	16.4	99
109	Elevation in sphingomyelin synthase activity is associated with increases in amyloid-beta peptide generation. *PLoS ONE*, **2013**, 8, e74016	3.7	12
108	Arl5b is a Golgi-localised small G protein involved in the regulation of retrograde transport. *Experimental Cell Research*, **2012**, 318, 464-77	4.2	19
107	Microwave Synthesis of Prion Protein Fragments up to 111 Amino Acids in Length Generates Biologically Active Peptides. *International Journal of Peptide Research and Therapeutics*, **2012**, 18, 21-29	2.1	10
106	Dissociation of ERK signalling inhibition from the anti-amyloidogenic action of synthetic ceramide analogues. *Clinical Science*, **2012**, 122, 409-19	6.5	6
105	SERF protein is a direct modifier of amyloid fiber assembly. *Cell Reports*, **2012**, 2, 358-71	10.6	27
104	The hypoxia imaging agent CuII(atsm) is neuroprotective and improves motor and cognitive functions in multiple animal models of Parkinson's disease. *Journal of Experimental Medicine*, **2012**, 209, 837-54	16.6	113
103	Generating recombinant C-terminal prion protein fragments of exact native sequence. *Neurochemistry International*, **2012**, 60, 318-26	4.4	3
102	Both IFN-γ and IL-17 are required for the development of severe autoimmune gastritis. *European Journal of Immunology*, **2012**, 42, 2574-83	6.1	15
101	Prion subcellular fractionation reveals infectivity spectrum, with a high titre-low PrPres level disparity. *Molecular Neurodegeneration*, **2012**, 7, 18	19	15
100	Exosomes: vehicles for the transfer of toxic proteins associated with neurodegenerative diseases?. *Frontiers in Physiology*, **2012**, 3, 124	4.6	275
99	Vesiclepedia: a compendium for extracellular vesicles with continuous community annotation. *PLoS Biology*, **2012**, 10, e1001450	9.7	800

98	Small RNA deep sequencing reveals a distinct miRNA signature released in exosomes from prion-infected neuronal cells. *Nucleic Acids Research*, **2012**, 40, 10937-49	20.1	327
97	Prion-infected cells regulate the release of exosomes with distinct ultrastructural features. *FASEB Journal*, **2012**, 26, 4160-73	0.9	114
96	The prion protein preference of sporadic Creutzfeldt-Jakob disease subtypes. *Journal of Biological Chemistry*, **2012**, 287, 36465-72	5.4	8
95	Polyglutamine aggregation in Huntington and related diseases. *Advances in Experimental Medicine and Biology*, **2012**, 769, 125-40	3.6	11
94	Wild type and Tangier disease ABCA1 mutants modulate cellular amyloid-β production independent of cholesterol efflux activity. *Journal of Alzheimer's Disease*, **2011**, 27, 441-52	4.3	8
93	Overview and recent advances in neuropathology. Part 2: Neurodegeneration. *Pathology*, **2011**, 43, 93-102	2.6	5
92	APP involvement in retinogenesis of mice. *Acta Neuropathologica*, **2011**, 121, 351-63	14.3	14
91	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, 176-83	7.5	34
90	An Escherichia coli cell-free system for recombinant protein synthesis on a milligram scale. *Methods in Molecular Biology*, **2011**, 752, 17-28	1.4	1
89	Manganese chelation therapy extends survival in a mouse model of M1000 prion disease. *Journal of Neurochemistry*, **2010**, 114, 440-51	6	34
88	Glycosaminoglycan sulphation affects the seeded misfolding of a mutant prion protein. *PLoS ONE*, **2010**, 5, e12351	3.7	21
87	Conservation of a glycine-rich region in the prion protein is required for uptake of prion infectivity. *Journal of Biological Chemistry*, **2010**, 285, 20213-23	5.4	26
86	The brain to gut pathway: a possible route of prion transmission. *Gut*, **2010**, 59, 1643-51	19.2	29
85	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, 32282-92	5.4	26
84	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, 6678-86	6.6	23
83	Changing the solvent accessibility of the prion protein disulfide bond markedly influences its trafficking and effect on cell function. *Biochemical Journal*, **2010**, 428, 169-82	3.8	5
82	Modulation of amyloid precursor protein processing by synthetic ceramide analogues. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2010**, 1801, 887-95	5	11
81	Tracking mutant huntingtin aggregation kinetics in cells reveals three major populations that include an invariant oligomer pool. *Journal of Biological Chemistry*, **2010**, 285, 21807-16	5.4	96

80	Conformation sensors that distinguish monomeric proteins from oligomers in live cells. *Chemistry and Biology*, **2010**, 17, 371-9		35
79	A domain level interaction network of amyloid precursor protein and Abeta of Alzheimer's disease. *Proteomics*, **2010**, 10, 2377-95	4.8	38
78	Regulation of prion gene expression by transcription factors SP1 and metal transcription factor-1. *Journal of Biological Chemistry*, **2009**, 284, 1291-301	5.4	51
77	Formation of dopamine-mediated alpha-synuclein-soluble oligomers requires methionine oxidation. *Free Radical Biology and Medicine*, **2009**, 46, 1328-37	7.8	95
76	PrPC-related signal transduction is influenced by copper, membrane integrity and the alpha cleavage site. *Cell Research*, **2009**, 19, 1062-78	24.7	36
75	Conformational detection of prion protein with biarsenical labeling and FlAsH fluorescence. *Biochemical and Biophysical Research Communications*, **2009**, 380, 564-8	3.4	32
74	Dopamine and the dopamine oxidation product 5,6-dihydroxylindole promote distinct on-pathway and off-pathway aggregation of alpha-synuclein in a pH-dependent manner. *Journal of Molecular Biology*, **2009**, 387, 771-85	6.5	79
73	Increased proportions of C1 truncated prion protein protect against cellular M1000 prion infection. *Journal of Neuropathology and Experimental Neurology*, **2009**, 68, 1125-35	3.1	40
72	Impact of 27-hydroxycholesterol on amyloid-beta peptide production and ATP-binding cassette transporter expression in primary human neurons. *Journal of Alzheimer's Disease*, **2009**, 16, 121-31	4.3	41
71	1SA2-03 Investigating the role of exosomes in the processing of proteins associated with prion and Alzheimer's diseases(1SA2 BSJ&ABA Joint Symposium, "Prion and Virus Infections",The 47th Annual Meeting of the Biophysical Society of Japan). *Seibutsu Butsuri*, **2009**, 49, S3-S4	0	
70	ATP-binding cassette transporter A7 regulates processing of amyloid precursor protein in vitro. *Journal of Neurochemistry*, **2008**, 106, 793-804	6	108
69	Formation of a high affinity lipid-binding intermediate during the early aggregation phase of alpha-synuclein. *Biochemistry*, **2008**, 47, 1425-34	3.2	57
68	Enrichment of prion protein in exosomes derived from ovine cerebral spinal fluid. *Veterinary Immunology and Immunopathology*, **2008**, 124, 385-93	2	153
67	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, 1901-17	5.6	21
66	Mouse-adapted sporadic human Creutzfeldt-Jakob disease prions propagate in cell culture. *International Journal of Biochemistry and Cell Biology*, **2008**, 40, 2793-801	5.6	55
65	Evidence for prion protein expression in enteroglial cells of the myenteric plexus of mouse intestine. *Autonomic Neuroscience: Basic and Clinical*, **2008**, 140, 17-23	2.4	22
64	Analysis of PrP conformation using circular dichroism. *Methods in Molecular Biology*, **2008**, 459, 145-59	1.4	6
63	Kuru prions and sporadic Creutzfeldt-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, 3885-90	11.5	59

62	Selective intracellular release of copper and zinc ions from bis(thiosemicarbazonato) complexes reduces levels of Alzheimer disease amyloid-beta peptide. *Journal of Biological Chemistry*, **2008**, 283, 4568-77	5.4	143
61	Inhibition of gamma-secretase causes increased secretion of amyloid precursor protein C-terminal fragments in association with exosomes. *FASEB Journal*, **2008**, 22, 1469-78	0.9	205
60	Is covalently crosslinked Abeta responsible for synaptotoxicity in Alzheimer's disease?. *Current Alzheimer Research*, **2008**, 5, 533-9	3	10
59	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, 3725-39	5.8	52
58	Neurotoxicity in Alzheimer's disease: is covalently crosslinked A beta responsible?. *European Biophysics Journal*, **2008**, 37, 265-8	1.9	13
57	The role of exosomes in the processing of proteins associated with neurodegenerative diseases. *European Biophysics Journal*, **2008**, 37, 323-32	1.9	179
56	Molecular typing of PrPres in human sporadic CJD brain tissue. *Methods in Molecular Biology*, **2008**, 459, 241-7	1.4	1
55	Generation of cell lines propagating infectious prions and the isolation and characterization of cell-derived exosomes. *Methods in Molecular Biology*, **2008**, 459, 69-82	1.4	6
54	A cell line infectible by prion strains from different species. *Journal of General Virology*, **2008**, 89, 341-347	4.9	63
53	Differential modulation of Alzheimer's disease amyloid beta-peptide accumulation by diverse classes of metal ligands. *Biochemical Journal*, **2007**, 407, 435-50	3.8	53
52	Packaging of prions into exosomes is associated with a novel pathway of PrP processing. *Journal of Pathology*, **2007**, 211, 582-590	9.4	325
51	Neurotoxic species in prion disease: a role for PrP isoforms?. *Journal of Neurochemistry*, **2007**, 103, 1709-20		14
50	Response to Ji et al.: why prion diseases are precluded by non-mammals. *Trends in Biochemical Sciences*, **2007**, 32, 208	10.3	
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