Nigel M Hooper

List of Publications by Year in Descending Order

272 papers	16,437 citations	61 h-index	124 g-index
291 ext. papers	18,716 ext. citations	5.4 avg, IF	6.57 L-index

#	Paper	IF	Citations
272	The role of protein aggregation in the pathogenesis of inclusion body myositis.. *Clinical and Experimental Rheumatology*, **2022**, 40, 414-424	2.2	0
271	The role of protein aggregation in the pathogenesis of inclusion body myositis.. *Clinical and Experimental Rheumatology*, **2022**, 40, 414-424	2.2	
270	Severe and Regionally Widespread Increases in Tissue Urea in the Human Brain Represent a Novel Finding of Pathogenic Potential in Parkinson's Disease Dementia. *Frontiers in Molecular Neuroscience*, **2021**, 14, 711396	6.1	1
269	3D hydrogel models of the neurovascular unit to investigate blood-brain barrier dysfunction. *Neuronal Signaling*, **2021**, 5, NS20210027	3.7	3
268	Widespread Decreases in Cerebral Copper Are Common to Parkinson's Disease Dementia and Alzheimer's Disease Dementia. *Frontiers in Aging Neuroscience*, **2021**, 13, 641222	5.3	5
267	Nanoparticle-Enabled Enrichment of Longitudinal Blood Proteomic Fingerprints in Alzheimer's Disease. *ACS Nano*, **2021**, 15, 7357-7369	16.7	5
266	Exploiting the neuroprotective effects of □klotho to tackle ageing- and neurodegeneration-related cognitive dysfunction. *Neuronal Signaling*, **2021**, 5, NS20200101	3.7	0
265	Mild cognitive impairment: the Manchester consensus. *Age and Ageing*, **2021**, 50, 72-80	3	20
264	Effects of Alterations of Post-Mortem Delay and Other Tissue-Collection Variables on Metabolite Levels in Human and Rat Brain. *Metabolites*, **2020**, 10,	5.6	1
263	Extracellular Vesicles Isolated from Human Induced Pluripotent Stem Cell-Derived Neurons Contain a Transcriptional Network. *Neurochemical Research*, **2020**, 45, 1711-1728	4.6	5
262	Gene Ontology Curation of Neuroinflammation Biology Improves the Interpretation of Alzheimer's Disease Gene Expression Data. *Journal of Alzheimer's Disease*, **2020**, 75, 1417-1435	4.3	6
261	Evidence that levels of nine essential metals in post-mortem human-Alzheimer's-brain and ex vivo rat-brain tissues are unaffected by differences in post-mortem delay, age, disease staging, and brain bank location. *Metallomics*, **2020**, 12, 952-962	4.5	8
260	A Preliminary Evaluation of the Pro-Chondrogenic Potential of 3D-Bioprinted Poly(ester Urea) Scaffolds. *Polymers*, **2020**, 12,	4.5	4
259	The cellular expression and proteolytic processing of the amyloid precursor protein is independent of TDP-43. *Bioscience Reports*, **2020**, 40,	4.1	2
258	Discovery and characterization of ACE2 - a 20-year journey of surprises from vasopeptidase to COVID-19. *Clinical Science*, **2020**, 134, 2489-2501	6.5	10
257	Quantitative interaction proteomics reveals differences in the interactomes of amyloid precursor protein isoforms. *Journal of Neurochemistry*, **2019**, 149, 399-412	6	9
256	Blended alginate/collagen hydrogels promote neurogenesis and neuronal maturation. *Materials Science and Engineering C*, **2019**, 104, 109904	8.3	43

255	Proteolytic shedding of the prion protein via activation of metallopeptidase ADAM10 reduces cellular binding and toxicity of amyloid-β oligomers. *Journal of Biological Chemistry*, **2019**, 294, 7085-7097	5.4	21
254	Proteolysis of the low density lipoprotein receptor by bone morphogenetic protein-1 regulates cellular cholesterol uptake. *Scientific Reports*, **2019**, 9, 11416	4.9	6
253	Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates Aβ, tau, immunity and lipid processing. *Nature Genetics*, **2019**, 51, 414-430	36.3	917
252	P4-524: PROTEOLYTIC CLEAVAGE OF TAU IN CORTICOBASAL DEGENERATION AND PROGRESSIVE SUPRANUCLEAR PALSY PATHOGENESIS **2019**, 15, P1514-P1515		
251	Tau Proteolysis in the Pathogenesis of Tauopathies: Neurotoxic Fragments and Novel Biomarkers. *Journal of Alzheimer's Disease*, **2018**, 63, 13-33	4.3	64
250	Tissue Engineering 3D Neurovascular Units: A Biomaterials and Bioprinting Perspective. *Trends in Biotechnology*, **2018**, 36, 457-472	15.1	56
249	Plasma metals as potential biomarkers in dementia: a case-control study in patients with sporadic Alzheimer's disease. *BioMetals*, **2018**, 31, 267-276	3.4	8
248	A step-by-step translation of evidence into a psychosocial intervention for everyday activities in dementia: a focus group study. *Aging and Mental Health*, **2018**, 22, 323-329	3.5	1
247	Amyloid β synaptotoxicity is Wnt-PCP dependent and blocked by fasudil. *Alzheimer's and Dementia*, **2018**, 14, 306-317	1.2	46
246	Polygenic risk score in postmortem diagnosed sporadic early-onset Alzheimer's disease. *Neurobiology of Aging*, **2018**, 62, 244.e1-244.e8	5.6	25
245	P3-230: IDENTIFICATION OF A PLASMA PROTEIN SIGNATURE FOR ALZHEIMER'S DISEASE **2018**, 14, P1159-P1159		
244	P3-142: SOLUBLE AMYLOID PRECURSOR PROTEIN β (SAPPβ) PROMOTES SYNAPTOGENESIS IN HUMAN-INDUCED PLURIPOTENT STEM CELL-DERIVED NEURONS **2018**, 14, P1122-P1122		
243	P1-219: AMYLOID-β DEGRADATION IN INDUCED PLURIPOTENT STEM CELL (IPSC)-DERIVED NEURONS **2018**, 14, P362-P362		
242	P4-054: KLOTHO ENHANCES NEURONAL ACTIVITY THROUGH INTERACTION WITH A CELL-SURFACE RECEPTOR **2018**, 14, P1453-P1454		
241	O1-06-06: PROTEOLYTIC CLEAVAGE OF TAU IN DEMENTIA PATHOGENESIS **2018**, 14, P232-P232		
240	Soluble Amyloid Precursor Protein β: Friend or Foe?. *Advances in Experimental Medicine and Biology*, **2018**, 1112, 177-183	3.6	6
239	Improving the Gene Ontology Resource to Facilitate More Informative Analysis and Interpretation of Alzheimer's Disease Data. *Genes*, **2018**, 9,	4.2	6
238	Modelling Sporadic Alzheimer's Disease Using Induced Pluripotent Stem Cells. *Neurochemical Research*, **2018**, 43, 2179-2198	4.6	18

237	P1-183: THE ROLE OF AMYLIN IN ALZHEIMER'S DISEASE **2018**, 14, P348-P349		
236	Why Is Research on Amyloid-β Failing to Give New Drugs for Alzheimer's Disease?. *ACS Chemical Neuroscience*, **2017**, 8, 1435-1437	5.7	137
235	[P4–130]: βAMYLOID SYNAPTOTOXICITY DRIVES βAMYLOID PRODUCTION **2017**, 13, P1306-P1306		
234	Mutation analysis of sporadic early-onset Alzheimer's disease using the NeuroX array. *Neurobiology of Aging*, **2017**, 49, 215.e1-215.e8	5.6	15
233	ABCA7 p.G215S as potential protective factor for Alzheimer's disease. *Neurobiology of Aging*, **2016**, 46, 235.e1-9	5.6	33
232	Prion protein "gamma-cleavage": characterizing a novel endoproteolytic processing event. *Cellular and Molecular Life Sciences*, **2016**, 73, 667-83	10.3	30
231	Screening exons 16 and 17 of the amyloid precursor protein gene in sporadic early-onset Alzheimer's disease. *Neurobiology of Aging*, **2016**, 39, 220.e1-7	5.6	9
230	Amyloid-β Receptors: The Good, the Bad, and the Prion Protein. *Journal of Biological Chemistry*, **2016**, 291, 3174-83	5.4	149
229	Ablation of Prion Protein in Wild Type Human Amyloid Precursor Protein (APP) Transgenic Mice Does Not Alter The Proteolysis of APP, Levels of Amyloid-β or Pathologic Phenotype. *PLoS ONE*, **2016**, 11, e0159119	3.7	7
228	Elevation of brain glucose and polyol-pathway intermediates with accompanying brain-copper deficiency in patients with Alzheimer's disease: metabolic basis for dementia. *Scientific Reports*, **2016**, 6, 27524	4.9	46
227	A Greek Tragedy: The Growing Complexity of Alzheimer Amyloid Precursor Protein Proteolysis. *Journal of Biological Chemistry*, **2016**, 291, 19235-44	5.4	113
226	The effects of the cellular and infectious prion protein on the neuronal adaptor protein X11β *Biochimica Et Biophysica Acta - General Subjects*, **2015**, 1850, 2213-21	4	2
225	The Role of Tissue Non-specific Alkaline Phosphatase (TNAP) in Neurodegenerative Diseases: Alzheimer's Disease in the Focus. *Sub-Cellular Biochemistry*, **2015**, 76, 363-74	5.5	14
224	A label-free electrical impedimetric biosensor for the specific detection of Alzheimer's amyloid-beta oligomers. *Biosensors and Bioelectronics*, **2014**, 56, 83-90	11.8	133
223	Lipid rafts: linking prion protein to zinc transport and amyloid-β toxicity in Alzheimer's disease. *Frontiers in Cell and Developmental Biology*, **2014**, 2, 41	5.7	14
222	P4-210: THE DEMENTIA CONSORTIUM: AN INTERNATIONAL PARTNERSHIP MODEL TO ACCELERATE DRUG DISCOVERY **2014**, 10, P865-P865		
221	Heme oxygenase-1 protects against Alzheimer's amyloid-β(1-42)-induced toxicity via carbon monoxide production. *Cell Death and Disease*, **2014**, 5, e1569	9.8	49
220	Angiotensin-converting enzyme 2 is subject to post-transcriptional regulation by miR-421. *Clinical Science*, **2014**, 127, 243-9	6.5	69

219	Discovery of biphenylacetamide-derived inhibitors of BACE1 using de novo structure-based molecular design. *Journal of Medicinal Chemistry*, **2013**, 56, 1843-52	8.3	15
218	Prion protein-mediated toxicity of amyloid-β oligomers requires lipid rafts and the transmembrane LRP1. *Journal of Biological Chemistry*, **2013**, 288, 8935-51	5.4	107
217	Neuronal zinc regulation and the prion protein. *Prion*, **2013**, 7, 203-8	2.3	38
216	Membrane dipeptidase **2013**, 1670-1673		1
215	Prion protein is decreased in Alzheimer's brain and inversely correlates with BACE1 activity, amyloid-β levels and Braak stage. *PLoS ONE*, **2013**, 8, e59554	3.7	23
214	Angiotensin-Converting Enzyme-2 **2013**, 499-504		4
213	BIN1 is decreased in sporadic but not familial Alzheimer's disease or in aging. *PLoS ONE*, **2013**, 8, e78806	3.7	49
212	Xaa-Trp Aminopeptidase **2013**, 1701-1702		
211	Regulation of amyloid-β production by the prion protein. *Prion*, **2012**, 6, 217-22	2.3	13
210	Alkaline phosphatase is increased in both brain and plasma in Alzheimer's disease. *Neurodegenerative Diseases*, **2012**, 9, 31-7	2.3	57
209	Prion protein facilitates uptake of zinc into neuronal cells. *Nature Communications*, **2012**, 3, 1134	17.4	104
208	Cellular prion protein expression is not regulated by the Alzheimer's amyloid precursor protein intracellular domain. *PLoS ONE*, **2012**, 7, e31754	3.7	12
207	The role of lipid rafts in prion protein biology. *Frontiers in Bioscience - Landmark*, **2011**, 16, 151-68	2.8	61
206	Glypican-1 facilitates prion conversion in lipid rafts. *Journal of Neurochemistry*, **2011**, 116, 721-5	6	19
205	Common variants at ABCA7, MS4A6A/MS4A4E, EPHA1, CD33 and CD2AP are associated with Alzheimer's disease. *Nature Genetics*, **2011**, 43, 429-35	36.3	1421
204	Neprilysin, obesity and the metabolic syndrome. *International Journal of Obesity*, **2011**, 35, 1031-40	5.5	102
203	PCSK9: an emerging target for treatment of hypercholesterolemia. *Expert Opinion on Therapeutic Targets*, **2011**, 15, 157-68	6.4	38
202	A functional XPNPEP2 promoter haplotype leads to reduced plasma aminopeptidase P and increased risk of ACE inhibitor-induced angioedema. *Human Mutation*, **2011**, 32, 1326-31	4.7	42

201	Prion protein interacts with BACE1 protein and differentially regulates its activity toward wild type and Swedish mutant amyloid precursor protein. *Journal of Biological Chemistry*, **2011**, 286, 33489-500	5.4	42
200	GPI-Anchored Proteins in Health and Disease **2011**, 39-55		10
199	Plasma alkaline phosphatase is elevated in Alzheimer's disease and inversely correlates with cognitive function. *International Journal of Molecular Epidemiology and Genetics*, **2011**, 2, 114-21	0.9	26
198	Lipid Rafts: Linking Alzheimer's Amyloid-Production, Aggregation, and Toxicity at Neuronal Membranes. *International Journal of Alzheimer's Disease*, **2010**, 2011, 603052	3.7	118
197	The role of zinc in Alzheimer's disease. *International Journal of Alzheimer's Disease*, **2010**, 2011, 971021	3.7	62
196	Ligand-stimulated VEGFR2 signaling is regulated by co-ordinated trafficking and proteolysis. *Traffic* , **2010**, 11, 161-74	5.7	105
195	The transcriptionally active amyloid precursor protein (APP) intracellular domain is preferentially produced from the 695 isoform of APP in a {beta}-secretase-dependent pathway. *Journal of Biological Chemistry*, **2010**, 285, 41443-54	5.4	136
194	Prion protein is reduced in aging and in sporadic but not in familial Alzheimer's disease. *Journal of Alzheimer's Disease*, **2010**, 22, 1023-31	4.3	30
193	Plasma angiotensin-converting enzyme in Alzheimer's disease. *Journal of Alzheimer's Disease*, **2009**, 16, 609-18	4.3	23
192	Prion protein and Alzheimer disease. *Prion*, **2009**, 3, 190-4	2.3	56
191	Role of ADAMs in the ectodomain shedding and conformational conversion of the prion protein. *Journal of Biological Chemistry*, **2009**, 284, 22590-600	5.4	103
190	Rab GTPase regulation of VEGFR2 trafficking and signaling in endothelial cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1119-24	9.4	56
189	Glypican-1 mediates both prion protein lipid raft association and disease isoform formation. *PLoS Pathogens*, **2009**, 5, e1000666	7.6	67
188	Association of a GPI-anchored protein with detergent-resistant membranes facilitates its trafficking through the early secretory pathway. *Experimental Cell Research*, **2009**, 315, 348-56	4.2	14
187	Discovery of novel non-peptide inhibitors of BACE-1 using virtual high-throughput screening. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 6770-4	2.9	26
186	alpha-cleavage of the prion protein occurs in a late compartment of the secretory pathway and is independent of lipid rafts. *Molecular and Cellular Neurosciences*, **2009**, 40, 242-8	4.8	55
185	Antibody-mediated disruption of the interaction between PCSK9 and the low-density lipoprotein receptor. *Biochemical Journal*, **2009**, 419, 577-84	3.8	82
184	Calmodulin interacts with angiotensin-converting enzyme-2 (ACE2) and inhibits shedding of its ectodomain. *FEBS Letters*, **2008**, 582, 385-90	3.8	96

183	Angiotensin-converting enzyme 2 and new insights into the renin-angiotensin system. *Biochemical Pharmacology*, **2008**, 75, 781-6	6	80
182	A new take on prions: preventing Alzheimer's disease. *Trends in Biochemical Sciences*, **2008**, 33, 151-5	10.3	24
181	Visualization of detergent solubilization of membranes: implications for the isolation of rafts. *Biophysical Journal*, **2008**, 94, 1326-40	2.9	75
180	Membrane raft actin deficiency and altered Ca2+-induced vesiculation in stomatin-deficient overhydrated hereditary stomatocytosis. *Biochimica Et Biophysica Acta - Biomembranes*, **2008**, 1778, 125-32	3.8	23
179	Emerging and potential therapies for Alzheimer's disease. *Expert Opinion on Therapeutic Targets*, **2008**, 12, 693-704	6.4	26
178	The bradykinin-degrading aminopeptidase P is increased in women taking the oral contraceptive pill. *JRAAS - Journal of the Renin-Angiotensin-Aldosterone System*, **2008**, 9, 221-5	3	16
177	Mechanism of the metal-mediated endocytosis of the prion protein. *Biochemical Society Transactions*, **2008**, 36, 1272-6	5.1	27
176	Protective effect of prion protein via the N-terminal region in mediating a protective effect on paraquat-induced oxidative injury in neuronal cells. *Journal of Neuroscience Research*, **2008**, 86, 653-9	4.4	19
175	Sphingomyelin chain length influences the distribution of GPI-anchored proteins in rafts in supported lipid bilayers. *Molecular Membrane Biology*, **2007**, 24, 233-42	3.4	35
174	Angiotensin I-Converting Enzyme (ACE) **2007**, 1-7		
173	Contamination of nuclear fractions with plasma membrane lipid rafts. *Proteomics*, **2007**, 7, 1059-64	4.8	15
172	Identification and characterisation of the angiotensin converting enzyme-3 (ACE3) gene: a novel mammalian homologue of ACE. *BMC Genomics*, **2007**, 8, 194	4.5	21
171	Cellular prion protein protects against reactive-oxygen-species-induced DNA damage. *Free Radical Biology and Medicine*, **2007**, 43, 959-67	7.8	40
170	Release of renal dipeptidase from glycosylphosphatidylinositol anchor by insulin-triggered phospholipase C/intracellular Ca2+. *Archives of Pharmacal Research*, **2007**, 30, 608-15	6.1	
169	Cellular prion protein regulates beta-secretase cleavage of the Alzheimer's amyloid precursor protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 11062-7	11.5	217
168	The low-density lipoprotein receptor-related protein 1 (LRP1) mediates the endocytosis of the cellular prion protein. *Biochemical Journal*, **2007**, 402, 17-23	3.8	105
167	Increased circulating insulin-like growth factor-1 in late-onset Alzheimer's disease. *Journal of Alzheimer's Disease*, **2007**, 12, 285-90	4.3	78
166	Prion protein in Alzheimer's disease. *Future Neurology*, **2007**, 2, 587-590	1.5	5

165	Role of lipid rafts in the processing of the pathogenic prion and Alzheimer's amyloid-beta proteins. *Seminars in Cell and Developmental Biology*, **2007**, 18, 638-48	7.5	43
164	Angiotensin-Converting Enzyme-2 (ACE2) **2007**, 1-4		1
163	Membrane Dipeptidase **2007**, 1-5		
162	Secretases as Pharmacological Targets in Alzheimer's Disease **2007**, 113-124		
161	Foreword: lipid rafts/biophysics, cell signalling, trafficking and processing. *Molecular Membrane Biology*, **2006**, 23, 1-3	3.4	4
160	Circulating activities of angiotensin-converting enzyme, its homolog, angiotensin-converting enzyme 2, and neprilysin in a family study. *Hypertension*, **2006**, 48, 914-20	8.5	135
159	Emerging therapeutics for Alzheimer's disease. *Expert Review of Neurotherapeutics*, **2006**, 6, 695-704	4.3	27
158	A mutation in aminopeptidase N (CD13) isolated from a patient suffering from leukemia leads to an arrest in the endoplasmic reticulum. *Journal of Biological Chemistry*, **2006**, 281, 11894-900	5.4	8
157	The prion protein and lipid rafts. *Molecular Membrane Biology*, **2006**, 23, 89-99	3.4	214
156	Effect of hydrophobic mismatch on phase behavior of lipid membranes. *Biophysical Journal*, **2006**, 90, 4104-18	2.9	22
155	Isolation and characterization of glycosylphosphatidylinositol-anchored peptides by hydrophilic interaction chromatography and MALDI tandem mass spectrometry. *Analytical Chemistry*, **2006**, 78, 3335-41	7.8	51
154	The involvement of lipid rafts in Alzheimer's disease. *Molecular Membrane Biology*, **2006**, 23, 111-22	3.4	161
153	A broad-spectrum fluorescence-based peptide library for the rapid identification of protease substrates. *Proteomics*, **2006**, 6, 2112-20	4.8	43
152	Proteolytic mechanisms in amyloid-beta metabolism: therapeutic implications for Alzheimer's disease. *Trends in Molecular Medicine*, **2005**, 11, 464-72	11.5	107
151	The kinetics of phase separation in asymmetric membranes. *Biophysical Journal*, **2005**, 88, 4072-83	2.9	31
150	Identification of critical active-site residues in angiotensin-converting enzyme-2 (ACE2) by site-directed mutagenesis. *FEBS Journal*, **2005**, 272, 3512-20	5.7	74
149	Tumor necrosis factor-alpha convertase (ADAM17) mediates regulated ectodomain shedding of the severe-acute respiratory syndrome-coronavirus (SARS-CoV) receptor, angiotensin-converting enzyme-2 (ACE2). *Journal of Biological Chemistry*, **2005**, 280, 30113-9	5.4	467
148	Angiotensin-converting enzyme as a GPIase: a critical reevaluation. *Nature Medicine*, **2005**, 11, 1139-40	50.5	26

147	Assigning functions to distinct regions of the N-terminus of the prion protein that are involved in its copper-stimulated, clathrin-dependent endocytosis. *Journal of Cell Science*, **2005**, 118, 5141-53	5.3	131
146	Angiotensin-converting enzyme 2 (ACE2), but not ACE, is preferentially localized to the apical surface of polarized kidney cells. *Journal of Biological Chemistry*, **2005**, 280, 39353-62	5.4	134
145	Reactive oxygen species-mediated beta-cleavage of the prion protein in the cellular response to oxidative stress. *Journal of Biological Chemistry*, **2005**, 280, 35914-21	5.4	125
144	Angiotensin-converting enzyme 2 **2004**, 349-351		8
143	N-glycans, not the GPI anchor, mediate the apical targeting of a naturally glycosylated, GPI-anchored protein in polarised epithelial cells. *Journal of Cell Science*, **2004**, 117, 5079-86	5.3	50
142	Evaluation of angiotensin-converting enzyme (ACE), its homologue ACE2 and neprilysin in angiotensin peptide metabolism. *Biochemical Journal*, **2004**, 383, 45-51	3.8	462
141	Dual mechanisms for shedding of the cellular prion protein. *Journal of Biological Chemistry*, **2004**, 279, 11170-8	5.4	112
140	The role of ADAM10 and ADAM17 in the ectodomain shedding of angiotensin converting enzyme and the amyloid precursor protein. *FEBS Journal*, **2004**, 271, 2539-47		69
139	Normalized proliferation of normal and psoriatic keratinocytes by suppression of sAPPalpha-release. *Journal of Investigative Dermatology*, **2004**, 123, 556-63	4.3	16
138	ACE2: from vasopeptidase to SARS virus receptor. *Trends in Pharmacological Sciences*, **2004**, 25, 291-4	13.2	370
137	Secretase-mediated cell surface shedding of the angiotensin-converting enzyme. *Protein and Peptide Letters*, **2004**, 11, 423-32	1.9	39
136	X-Trp aminopeptidase **2004**, 1013-1014		1
135	Membrane dipeptidase **2004**, 994-997		3
134	Exclusively targeting beta-secretase to lipid rafts by GPI-anchor addition up-regulates beta-site processing of the amyloid precursor protein. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 11735-40	11.5	306
133	The N-terminal region of the prion protein ectodomain contains a lipid raft targeting determinant. *Journal of Biological Chemistry*, **2003**, 278, 37241-8	5.4	80
132	The Caenorhabditis elegans orthologue of mammalian puromycin-sensitive aminopeptidase has roles in embryogenesis and reproduction. *Journal of Biological Chemistry*, **2003**, 278, 42795-801	5.4	26
131	The ectodomain shedding of angiotensin-converting enzyme is independent of its localisation in lipid rafts. *Journal of Cell Science*, **2003**, 116, 3079-87	5.3	23
130	Distance of sequons to the C-terminus influences the cellular N-glycosylation of the prion protein. *Biochemical Journal*, **2003**, 370, 351-5	3.8	22

129	Angiotensin converting enzyme-2 (ACE2) and its possible roles in hypertension, diabetes and cardiac function. *International Journal of Peptide Research and Therapeutics*, **2003**, 10, 377-385		9
128	The prion protein and neuronal zinc homeostasis. *Trends in Biochemical Sciences*, **2003**, 28, 406-10	10.3	68
127	Could inhibition of the proteasome cause mad cow disease?. *Trends in Biotechnology*, **2003**, 21, 144-5	15.1	13
126	ADAMs family members as amyloid precursor protein alpha-secretases. *Journal of Neuroscience Research*, **2003**, 74, 342-52	4.4	369
125	Tethering the N-terminus of the prion protein compromises the cellular response to oxidative stress. *Journal of Neurochemistry*, **2003**, 84, 480-90	6	55
124	Angiotensin Converting Enzyme-2 (ACE2) and its Possible Roles in Hypertension, Diabetes and Cardiac Function. *International Journal of Peptide Research and Therapeutics*, **2003**, 10, 377-385		9
123	Changes of angiotensin-converting enzyme activity in the pancreas of chronic hypoxia and acute pancreatitis. *International Journal of Biochemistry and Cell Biology*, **2003**, 35, 944-54	5.6	33
122	Angiotensin-converting enzyme-2 (ACE2): comparative modeling of the active site, specificity requirements, and chloride dependence. *Biochemistry*, **2003**, 42, 13185-92	3.2	132
121	Glycosylation efficiency of Asn-Xaa-Thr sequons is independent of distance from the C-terminus in membrane dipeptidase. *Glycobiology*, **2003**, 13, 641-6	5.8	15
120	Surface coat remodeling during differentiation of Trypanosoma brucei. *Journal of Biological Chemistry*, **2003**, 278, 24665-72	5.4	41
119	Glycosyl-phosphatidylinositol (GPI)-anchored renal dipeptidase is released by a phospholipase C in vivo. *Kidney and Blood Pressure Research*, **2002**, 25, 7-12	3.1	11
118	Prion disease: close encounters of the cellular kind. *Current Biology*, **2002**, 12, R248-9	6.3	
117	Spontaneous release of glycosylphosphatidylinositol (GPI)-anchored renal dipeptidase from porcine renal proximal tubules. *Archives of Pharmacal Research*, **2002**, 25, 80-5	6.1	4
116	ACEH/ACE2 is a novel mammalian metallocarboxypeptidase and a homologue of angiotensin-converting enzyme insensitive to ACE inhibitors. *Canadian Journal of Physiology and Pharmacology*, **2002**, 80, 346-53	2.4	131
115	Nitric oxide inhibits the shedding of the glycosylphosphatidylinositol-anchored dipeptidase from porcine renal proximal tubules. *Biochemical Journal*, **2002**, 364, 211-8	3.8	8
114	The C-terminal domain, but not the interchain disulphide, is required for the activity and intracellular trafficking of aminopeptidase A. *Biochemical Journal*, **2002**, 362, 191-197	3.8	15
113	Role of the transmembrane form of the prion protein in neurodegeneration. *Biochemical Society Transactions*, **2002**, 30, A79-A79	5.1	
112	Structure-activity relationship of hydroxamate-based inhibitors on the secretases that cleave the amyloid precursor protein, angiotensin converting enzyme, CD23, and pro-tumor necrosis factor-alpha. *Biochemistry*, **2002**, 41, 4972-81	3.2	42

111	Muscarine enhances soluble amyloid precursor protein secretion in human neuroblastoma SH-SY5Y by a pathway dependent on protein kinase C(alpha), src-tyrosine kinase and extracellular signal-regulated kinase but not phospholipase C. *Molecular Brain Research*, **2002**, 102, 62-72		47
110	The angiotensin-converting enzyme gene family: genomics and pharmacology. *Trends in Pharmacological Sciences*, **2002**, 23, 177-83	13.2	311
109	The C-terminal domain, but not the interchain disulphide, is required for the activity and intracellular trafficking of aminopeptidase A. *Biochemical Journal*, **2002**, 362, 191-7	3.8	13
108	Proteases: a primer. *Essays in Biochemistry*, **2002**, 38, 1-8	7.6	30
107	Endogenous glycosylphosphatidylinositol-specific phospholipase C releases renal dipeptidase from kidney proximal tubules in vitro. *Biochemical Journal*, **2001**, 353, 339-44	3.8	13
106	Roles of the juxtamembrane and extracellular domains of angiotensin-converting enzyme in ectodomain shedding. *Biochemical Journal*, **2001**, 358, 185-92	3.8	18
105	Differential effects of glycosphingolipids on the detergent-insolubility of the glycosylphosphatidylinositol-anchored membrane dipeptidase. *Biochemical Journal*, **2001**, 358, 209-16	3.8	24
104	Endogenous glycosylphosphatidylinositol-specific phospholipase C releases renal dipeptidase from kidney proximal tubules in vitro. *Biochemical Journal*, **2001**, 353, 339-344	3.8	24
103	Roles of the juxtamembrane and extracellular domains of angiotensin-converting enzyme in ectodomain shedding. *Biochemical Journal*, **2001**, 358, 185-192	3.8	35
102	Differential effects of glycosphingolipids on the detergent-insolubility of the glycosylphosphatidylinositol-anchored membrane dipeptidase. *Biochemical Journal*, **2001**, 358, 209-216	3.8	38
101	Determination of glycosyl-phosphatidylinositol membrane protein anchorage. *Proteomics*, **2001**, 1, 748-758	4	41
100	In vitro cytocidal effects on Trypanosoma brucei and inhibition of Leishmania major GP63 by peptidomimetic metalloprotease inhibitors. *Molecular and Biochemical Parasitology*, **2001**, 114, 111-7	1.9	36
99	Ablation of the metal ion-induced endocytosis of the prion protein by disease-associated mutation of the octarepeat region. *Current Biology*, **2001**, 11, 519-23	6.3	194
98	A point mutation in the juxtamembrane stalk of human angiotensin I-converting enzyme invokes the action of a distinct secretase. *Journal of Biological Chemistry*, **2001**, 276, 21105-9	5.4	26
97	The response of neurones and glial cells to elevated copper. *Brain Research Bulletin*, **2001**, 55, 219-24	3.9	29
96	The carboxyl terminus of Dictyostelium discoideum protein 1I encodes a functional glycosyl-phosphatidylinositol signal sequence. *Biochimica Et Biophysica Acta - Biomembranes*, **2001**, 1511, 317-29	3.8	
95	Determination of glycosyl-phosphatidylinositol membrane protein anchorage **2001**, 1, 748		1
94	Determination of glycosyl-phosphatidylinositol membrane protein anchorage **2001**, 1, 748		1

93	The role of proteolysis in Alzheimer's disease. *Advances in Experimental Medicine and Biology*, **2000**, 477, 379-90	3.6	33
92	Shedding of somatic angiotensin-converting enzyme (ACE) is inefficient compared with testis ACE despite cleavage at identical stalk sites. *Biochemical Journal*, **2000**, 347, 711	3.8	18
91	Shedding of somatic angiotensin-converting enzyme (ACE) is inefficient compared with testis ACE despite cleavage at identical stalk sites. *Biochemical Journal*, **2000**, 347, 711-718	3.8	72
90	REGULATION OF sAPP□SECRETION BY MUSCARINE IN THE HUMAN NEUROBLASTOMA CELL LINE SH-SY5Y. *Biochemical Society Transactions*, **2000**, 28, A33-A33	5.1	
89	C-terminal membrane anchorage is required for N-glycosylation of the prion protein. *Biochemical Society Transactions*, **2000**, 28, A80-A80	5.1	
88	Is the proteolytic processing of the prion protein autocatalytic?. *Biochemical Society Transactions*, **2000**, 28, A80-A80	5.1	
87	Role of Cys43 and the C-terminal domain in the structure and function of murine Aminopeptidase A. *Biochemical Society Transactions*, **2000**, 28, A81-A81	5.1	
86	Identification and Characterisation of a Novel Human Zinc Metalloprotease with Homology to Angiotensin Converting Enzyme. *Biochemical Society Transactions*, **2000**, 28, A81-A81	5.1	
85	Cloning and characterisation of human cytosolic aminopeptidase P. *Biochemical Society Transactions*, **2000**, 28, A84-A84	5.1	
84	The ectodomain of angiotensin converting enzyme does not dictate sensitivity to secretase cleavage. *Biochemical Society Transactions*, **2000**, 28, A262-A262	5.1	
83	N-terminal anchorage of the prion protein results in a novel proteinase K resistant fragment. *Biochemical Society Transactions*, **2000**, 28, A349-A349	5.1	
82	The juxtamembrane stalk region of angiotensin converting enzyme confers susceptibility to secretase cleavage. *Biochemical Society Transactions*, **2000**, 28, A80-A80	5.1	
81	Insulin stimulates the release of a subset of GPI-anchored proteins in a G-protein independent manner. *Molecular Membrane Biology*, **2000**, 17, 41-5	3.4	6
80	Identification of critical residues in the active site of porcine membrane-bound aminopeptidase P. *Biochemistry*, **2000**, 39, 15129-35	3.2	19
79	Cloning, expression, and characterization of human cytosolic aminopeptidase P: a single manganese(II)-dependent enzyme. *Biochemistry*, **2000**, 39, 15121-8	3.2	76
78	A human homolog of angiotensin-converting enzyme. Cloning and functional expression as a captopril-insensitive carboxypeptidase. *Journal of Biological Chemistry*, **2000**, 275, 33238-43	5.4	1464
77	Inhibition of □Secretase by Zinc Metalloproteinase Inhibitors. *Methods in Molecular Medicine*, **2000**, 32, 203-15		4
76	Characterization of detergent-insoluble complexes containing the familial Alzheimer's disease-associated presenilins. *Journal of Neurochemistry*, **1999**, 72, 1534-43	6	61

75	Specific localization of membrane dipeptidase and dipeptidyl peptidase IV in secretion granules of two different pancreatic islet cells. *Journal of Histochemistry and Cytochemistry*, **1999**, 47, 489-98	3.4	21
74	A continuous fluorometric assay for leukotriene D4 hydrolase. *Analytical Biochemistry*, **1999**, 268, 245-51	3.1	11
73	Cleavage of Alzheimer's amyloid precursor protein by alpha-secretase occurs at the surface of neuronal cells. *Biochemistry*, **1999**, 38, 9728-34	3.2	163
72	Proteolytic fragmentation of the murine prion protein: role of Tyr-128 and His-177. *FEBS Letters*, **1999**, 463, 273-6	3.8	10
71	Detergent-insoluble glycosphingolipid/cholesterol-rich membrane domains, lipid rafts and caveolae (review). *Molecular Membrane Biology*, **1999**, 16, 145-56	3.4	320
70	Amyloid precursor protein, although partially detergent-insoluble in mouse cerebral cortex, behaves as an atypical lipid raft protein. *Biochemical Journal*, **1999**, 344, 23-30	3.8	96
69	Role for ADAM-family proteinases as membrane protein secretases. *Biochemical Society Transactions*, **1999**, 27, 255-9	5.1	56
68	Angiotensin converting enzyme and the amyloid precursor protein secretases. *Biochemical Society Transactions*, **1999**, 27, A23-A23	5.1	
67	A role for ADAMs proteinases as membrane protein secretases. *Biochemical Society Transactions*, **1999**, 27, A24-A24	5.1	
66	Insulin-Stimulated Release of GPI-Anchored Proteins. *Biochemical Society Transactions*, **1999**, 27, A54-A54	5.1	
65	Proteolytic Fragmentation of Aminopeptidase N. *Biochemical Society Transactions*, **1999**, 27, A54-A54	5.1	
64	Amyloid precursor protein, although partially detergent-insoluble in mouse cerebral cortex, behaves as an atypical lipid raft protein. *Biochemical Journal*, **1999**, 344, 23	3.8	29
63	Overview of the biological roles of metalloproteinases in health and disease **1999**, 145-161		3
62	Purification of Proteases **1999**, 109-123		
61	Membrane biology: do glycolipid microdomains really exist?. *Current Biology*, **1998**, 8, R114-6	6.3	60
60	The secretases that cleave angiotensin converting enzyme and the amyloid precursor protein are distinct from tumour necrosis factor-alpha convertase. *FEBS Letters*, **1998**, 431, 63-5	3.8	45
59	Alzheimer's amyloid precursor protein alpha-secretase is inhibited by hydroxamic acid-based zinc metalloprotease inhibitors: similarities to the angiotensin converting enzyme secretase. *Biochemistry*, **1998**, 37, 1680-5	3.2	123
58	Membrane dipeptidase in the pig exocrine pancreas. Ultrastructural localization and secretion. *Journal of Histochemistry and Cytochemistry*, **1998**, 46, 841-6	3.4	1

57	Gly-(CSNH)-Phe resists hydrolysis by membrane dipeptidase. *Biochemical Society Transactions*, **1998**, 26, S31	5.1	5
56	Detergent solubility and processing of the familial Alzheimer's disease-related presenilin proteins. *Biochemical Society Transactions*, **1998**, 26, S241	5.1	
55	The amyloid precursor protein (APP) and the angiotensin converting enzyme (ACE) secretase are inhibited by hydroxamic acid-based inhibitors. *Biochemical Society Transactions*, **1998**, 26, S242	5.1	6
54	Molecular characterisation of the Alzheimer's amyloid precursor protein secretases. *Biochemical Society Transactions*, **1998**, 26, S245	5.1	1
53	The cloning and functional expression of human pancreatic aminopeptidase P. *Biochemical Society Transactions*, **1998**, 26, S248	5.1	3
52	Membrane protein secretases. *Biochemical Journal*, **1997**, 321 (Pt 2), 265-79	3.8	573
51	Identification of membrane dipeptidase as a major glycosyl-phosphatidylinositol-anchored protein of the pancreatic zymogen granule membrane, and evidence for its release by phospholipase A. *Biochemical Journal*, **1997**, 324 (Pt 1), 151-7	3.8	31
50	Identification by site-directed mutagenesis of three essential histidine residues in membrane dipeptidase, a novel mammalian zinc peptidase. *Biochemical Journal*, **1997**, 326 (Pt 1), 47-51	3.8	21
49	Insulin stimulates the release of the glycosyl phosphatidylinositol-anchored membrane dipeptidase from 3T3-L1 adipocytes through the action of a phospholipase C. *Biochemical Journal*, **1997**, 326 (Pt 2), 531-7	3.8	54
48	Angiotensin-converting enzyme secretase is inhibited by zinc metalloprotease inhibitors and requires its substrate to be inserted in a lipid bilayer. *Biochemical Journal*, **1997**, 327 (Pt 1), 37-43	3.8	56
47	Proteolytic fragmentation reveals the oligomeric and domain structure of porcine aminopeptidase A. *Biochemistry*, **1997**, 36, 3000-7	3.2	26
46	Glycosyl-phosphatidylinositol anchored membrane enzymes. *Clinica Chimica Acta*, **1997**, 266, 3-12	6.2	80
45	Stable and temperature-sensitive transformation of baby rat kidney cells by SV40 suppresses expression of membrane dipeptidase. *Oncogene*, **1997**, 15, 1241-5	9.2	8
44	The amyloid precursor protein is not enriched in caveolae-like, detergent-insoluble membrane microdomains. *Journal of Neurochemistry*, **1997**, 69, 2179-88	6	30
43	Characterization of neuropeptidases using inhibitors. *Methods in Molecular Biology*, **1997**, 73, 369-81	1.4	1
42	Structural studies of aminopeptidase P. A novel cellular peptidase. *Advances in Experimental Medicine and Biology*, **1997**, 421, 7-16	3.6	6
41	Inhibition and metal ion activation of pig kidney aminopeptidase P. Dependence on nature of substrate. *Biochemical Pharmacology*, **1996**, 52, 229-36	6	24
40	Site-directed mutagenesis of conserved cysteine residues in porcine membrane dipeptidase. Cys 361 alone is involved in disulfide-linked dimerization. *Biochemistry*, **1996**, 35, 12511-7	3.2	28

39	Molecular cloning and expression in COS-1 cells of pig kidney aminopeptidase P. *Biochemical Journal*, **1996**, 319 (Pt 1), 197-201	3.8	21
38	Isolation and characterization of two distinct low-density, Triton-insoluble, complexes from porcine lung membranes. *Biochemical Journal*, **1996**, 319 (Pt 3), 887-96	3.8	56
37	A role for calcium and annexins in the formation of caveolae. *Biochemical Society Transactions*, **1996** , 24, 444S	5.1	4
36	Cloning and functional expression of pig kidney aminopeptidase P. *Biochemical Society Transactions* , **1996**, 24, 470S	5.1	1
35	Structures of the glycosyl-phosphatidylinositol anchors of porcine and human renal membrane dipeptidase. Comprehensive structural studies on the porcine anchor and interspecies comparison of the glycan core structures. *Journal of Biological Chemistry*, **1995**, 270, 22946-56	5.4	102
34	Purification of GPI anchors by immunoaffinity chromatography. *Biochemical Society Transactions*, **1995**, 23, 101S	5.1	
33	Characterisation of porcine aminopeptidase A: a type II integral membrane protein. *Biochemical Society Transactions*, **1995**, 23, 550S	5.1	1
32	Purification and characterization of the angiotensin converting enzyme secretase. *Biochemical Society Transactions*, **1995**, 23, 551S	5.1	1
31	Identification of the site of cleavage in angiotensin converting enzyme by its secretase. *Biochemical Society Transactions*, **1995**, 23, 552S	5.1	
30	Specificity of the Alzheimer's amyloid precursor protein alpha-secretase. *Trends in Biochemical Sciences*, **1995**, 20, 15-6	10.3	6
29	Directed mutagenesis of pig renal membrane dipeptidase. His219 is critical but the DHXXH motif is not essential for zinc binding or catalytic activity. *FEBS Letters*, **1994**, 349, 50-4	3.8	22
28	Families of zinc metalloproteases. *FEBS Letters*, **1994**, 354, 1-6	3.8	597
27	Stability of N-Derivatized and .alpha.-Methyl Analogs of Aspartame to Hydrolysis by Mammalian Cell-Surface Peptidases. *Journal of Agricultural and Food Chemistry*, **1994**, 42, 1397-1401	5.7	5
26	Inhibition of two gluconeogenic enzymes by glycosylphosphatidylinositol: a model for insulin action. *Biochemical Society Transactions*, **1994**, 22, 10S	5.1	4
25	Characterization of an antibody to the cross-reacting determinant of the glycosyl-phosphatidylinositol anchor of human membrane dipeptidase. *Biochimica Et Biophysica Acta - Biomembranes*, **1993**, 1145, 212-8	3.8	20
24	Structural determination of the glycolipid anchors of human and porcine membrane dipeptidases. *Biochemical Society Transactions*, **1993**, 21, 46S	5.1	3
23	Aminopeptidase P: immunoaffinity purification and molecular characterisation. *Biochemical Society Transactions*, **1993**, 21 (Pt 3), 236S	5.1	2
22	Inhibitor profile of porcine aminopeptidase W. *Biochemical Society Transactions*, **1993**, 21 (Pt 3), 250S	5.1	1

21	Characterization of the soluble and membrane-bound forms of porcine angiotensin converting enzyme. *Biochemical Society Transactions*, **1993**, 21 (Pt 3), 251S	5.1	1
20	Identification of the site of attachment of the glycolipid anchor in porcine membrane dipeptidase. *Biochemical Society Transactions*, **1993**, 21, 44S	5.1	
19	Investigation of glycolipid anchor addition using a synthetic peptide as substrate. *Biochemical Society Transactions*, **1993**, 21, 45S	5.1	
18	Membrane peptidase expression by confluent cultures of Caco-2 cells. *Biochemical Society Transactions*, **1993**, 21 (Pt 3), 252S	5.1	3
17	Determination of mammalian membrane protein anchorage: Glycosyl-phosphatidylinositol (G-PI) or transmembrane polypeptide anchor. *Biochemical Education*, **1993**, 21, 212-216		24
16	Subcellular fractionation studies indicate an intracellular localization for human monocyte specific esterase (MSE). *British Journal of Haematology*, **1993**, 84, 608-14	4.5	7
15	Mosaic expression of membrane peptidases by confluent cultures of Caco-2 cells. *FEBS Letters*, **1993**, 317, 109-12	3.8	21
14	Ectopeptidases. *Pharmaceutical Biotechnology*, **1993**, 23-50		6
13	Purification and characterisation of antibodies to the glycosyl-phosphatidylinositol anchor of human membrane dipeptidase. *Biochemical Society Transactions*, **1992**, 20, 118S	5.1	2
12	Characterization of the post-translational release from membranes of angiotensin converting enzyme. *Biochemical Society Transactions*, **1992**, 20, 253S	5.1	
11	Immunological studies on the endothelial and testicular forms of angiotensin converting enzyme. *Biochemical Society Transactions*, **1992**, 20, 281S	5.1	1
10	Inhibition of aminopeptidases N, A and W. A re-evaluation of the actions of bestatin and inhibitors of angiotensin converting enzyme. *Biochemical Pharmacology*, **1992**, 44, 1725-30	6	95
9	More than just a membrane anchor. *Current Biology*, **1992**, 2, 617-9	6.3	33
8	Characterization of neuronal and endothelial forms of angiotensin converting enzyme in pig brain. *Journal of Neurochemistry*, **1991**, 57, 193-9	6	34
7	Angiotensin converting enzyme: implications from molecular biology for its physiological functions. *International Journal of Biochemistry & Cell Biology*, **1991**, 23, 641-7		130
6	Characterization and isolation of the membrane anchor of angiotensin-converting enzyme. *Biochemical Society Transactions*, **1989**, 17, 660-661	5.1	4
5	Phosphatidylinositol-glycan-tailed membrane proteins: the biochemistry of glycolipid anchors. *Biochemical Society Transactions*, **1989**, 17, 864-6	5.1	7
4	Hydrolysis of the glycosyl-phosphatidylinositol anchors of renal microvillar peptidases by a plasma phospholipase D. *Biochemical Society Transactions*, **1989**, 17, 885-886	5.1	6

3	Ectoenzymes of the kidney microvillar membrane. Aminopeptidase P is anchored by a glycosyl-phosphatidylinositol moiety. *FEBS Letters*, **1988**, 229, 340-4	3.8	96
2	Purification and characterization of a peptidyl dipeptidase resembling angiotensin converting enzyme from the electric organ of Torpedo marmorata. *Journal of Neurochemistry*, **1987**, 48, 910-6	6	19
1	Neurokinin B is hydrolysed by synaptic membranes and by endopeptidase-24.11 (enkephalinase) but not by angiotensin converting enzyme. *FEBS Letters*, **1985**, 190, 133-6	3.8	37