# Nigel M Hooper

## List of Publications by Citations



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| 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 | 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 |
| 271 | 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 |
| 270 | Genetic meta-analysis of diagnosed Alzheimer's disease identifies new risk loci and implicates A tau, immunity and lipid processing. *Nature Genetics*, **2019**, 51, 414-430 | 36.3 | 917 |
| 269 | Families of zinc metalloproteases. *FEBS Letters*, **1994**, 354, 1-6 | 3.8 | 597 |
| 268 | Membrane protein secretases. *Biochemical Journal*, **1997**, 321 ( Pt 2), 265-79 | 3.8 | 573 |
| 267 | 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 |
| 266 | Evaluation of angiotensin-converting enzyme (ACE), its homologue ACE2 and neprilysin in angiotensin peptide metabolism. *Biochemical Journal*, **2004**, 383, 45-51 | 3.8 | 462 |
| 265 | ACE2: from vasopeptidase to SARS virus receptor. *Trends in Pharmacological Sciences*, **2004**, 25, 291-4 | 13.2 | 370 |
| 264 | ADAMs family members as amyloid precursor protein alpha-secretases. *Journal of Neuroscience Research*, **2003**, 74, 342-52 | 4.4 | 369 |
| 263 | Detergent-insoluble glycosphingolipid/cholesterol-rich membrane domains, lipid rafts and caveolae (review). *Molecular Membrane Biology*, **1999**, 16, 145-56 | 3.4 | 320 |
| 262 | The angiotensin-converting enzyme gene family: genomics and pharmacology. *Trends in Pharmacological Sciences*, **2002**, 23, 177-83 | 13.2 | 311 |
| 261 | 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 |
| 260 | 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 |
| 259 | The prion protein and lipid rafts. *Molecular Membrane Biology*, **2006**, 23, 89-99 | 3.4 | 214 |
| 258 | 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 |
| 257 | 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 |
| 256 | The involvement of lipid rafts in Alzheimer's disease. *Molecular Membrane Biology*, **2006**, 23, 111-22 | 3.4 | 161 |

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| 255 | Amyloid-Receptors: The Good, the Bad, and the Prion Protein. *Journal of Biological Chemistry*, **2016**, 291, 3174-83 | 5.4 | 149 |
| 254 | Why Is Research on Amyloid-Failing to Give New Drugs for Alzheimer's Disease?. *ACS Chemical Neuroscience*, **2017**, 8, 1435-1437 | 5.7 | 137 |
| 253 | 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 |
| 252 | 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 |
| 251 | 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 |
| 250 | 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 |
| 249 | Angiotensin-converting enzyme-2 (ACE2): comparative modeling of the active site, specificity requirements, and chloride dependence. *Biochemistry*, **2003**, 42, 13185-92 | 3.2 | 132 |
| 248 | 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 |
| 247 | 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 |
| 246 | Angiotensin converting enzyme: implications from molecular biology for its physiological functions. *International Journal of Biochemistry & Cell Biology*, **1991**, 23, 641-7 | | 130 |
| 245 | 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 |
| 244 | 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 |
| 243 | 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 |
| 242 | A Greek Tragedy: The Growing Complexity of Alzheimer Amyloid Precursor Protein Proteolysis. *Journal of Biological Chemistry*, **2016**, 291, 19235-44 | 5.4 | 113 |
| 241 | Dual mechanisms for shedding of the cellular prion protein. *Journal of Biological Chemistry*, **2004**, 279, 11170-8 | 5.4 | 112 |
| 240 | Prion protein-mediated toxicity of amyloid-oligomers requires lipid rafts and the transmembrane LRP1. *Journal of Biological Chemistry*, **2013**, 288, 8935-51 | 5.4 | 107 |
| 239 | Proteolytic mechanisms in amyloid-beta metabolism: therapeutic implications for Alzheimer's disease. *Trends in Molecular Medicine*, **2005**, 11, 464-72 | 11.5 | 107 |
| 238 | Ligand-stimulated VEGFR2 signaling is regulated by co-ordinated trafficking and proteolysis. *Traffic* , **2010**, 11, 161-74 | 5.7 | 105 |

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| 237 | 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 |
| 236 | Prion protein facilitates uptake of zinc into neuronal cells. *Nature Communications*, **2012**, 3, 1134 | 17.4 | 104 |
| 235 | 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 |
| 234 | Neprilysin, obesity and the metabolic syndrome. *International Journal of Obesity*, **2011**, 35, 1031-40 | 5.5 | 102 |
| 233 | 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 |
| 232 | Calmodulin interacts with angiotensin-converting enzyme-2 (ACE2) and inhibits shedding of its ectodomain. *FEBS Letters*, **2008**, 582, 385-90 | 3.8 | 96 |
| 231 | 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 |
| 230 | Ectoenzymes of the kidney microvillar membrane. Aminopeptidase P is anchored by a glycosyl-phosphatidylinositol moiety. *FEBS Letters*, **1988**, 229, 340-4 | 3.8 | 96 |
| 229 | 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 |
| 228 | Antibody-mediated disruption of the interaction between PCSK9 and the low-density lipoprotein receptor. *Biochemical Journal*, **2009**, 419, 577-84 | 3.8 | 82 |
| 227 | Glycosyl-phosphatidylinositol anchored membrane enzymes. *Clinica Chimica Acta*, **1997**, 266, 3-12 | 6.2 | 80 |
| 226 | Angiotensin-converting enzyme 2 and new insights into the renin-angiotensin system. *Biochemical Pharmacology*, **2008**, 75, 781-6 | 6 | 80 |
| 225 | 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 |
| 224 | 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 |
| 223 | Cloning, expression, and characterization of human cytosolic aminopeptidase P: a single manganese(II)-dependent enzyme. *Biochemistry*, **2000**, 39, 15121-8 | 3.2 | 76 |
| 222 | Visualization of detergent solubilization of membranes: implications for the isolation of rafts. *Biophysical Journal*, **2008**, 94, 1326-40 | 2.9 | 75 |
| 221 | 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 |
| 220 | 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 |

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| 219 | Angiotensin-converting enzyme 2 is subject to post-transcriptional regulation by miR-421. *Clinical Science*, **2014**, 127, 243-9 | 6.5 | 69 |
| 218 | 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 |
| 217 | The prion protein and neuronal zinc homeostasis. *Trends in Biochemical Sciences*, **2003**, 28, 406-10 | 10.3 | 68 |
| 216 | Glypican-1 mediates both prion protein lipid raft association and disease isoform formation. *PLoS Pathogens*, **2009**, 5, e1000666 | 7.6 | 67 |
| 215 | Tau Proteolysis in the Pathogenesis of Tauopathies: Neurotoxic Fragments and Novel Biomarkers. *Journal of Alzheimer's Disease*, **2018**, 63, 13-33 | 4.3 | 64 |
| 214 | The role of zinc in Alzheimer's disease. *International Journal of Alzheimer's Disease*, **2010**, 2011, 971021 | 3.7 | 62 |
| 213 | The role of lipid rafts in prion protein biology. *Frontiers in Bioscience - Landmark*, **2011**, 16, 151-68 | 2.8 | 61 |
| 212 | Characterization of detergent-insoluble complexes containing the familial Alzheimer's disease-associated presenilins. *Journal of Neurochemistry*, **1999**, 72, 1534-43 | 6 | 61 |
| 211 | Membrane biology: do glycolipid microdomains really exist?. *Current Biology*, **1998**, 8, R114-6 | 6.3 | 60 |
| 210 | Alkaline phosphatase is increased in both brain and plasma in Alzheimer's disease. *Neurodegenerative Diseases*, **2012**, 9, 31-7 | 2.3 | 57 |
| 209 | Tissue Engineering 3D Neurovascular Units: A Biomaterials and Bioprinting Perspective. *Trends in Biotechnology*, **2018**, 36, 457-472 | 15.1 | 56 |
| 208 | Prion protein and Alzheimer disease. *Prion*, **2009**, 3, 190-4 | 2.3 | 56 |
| 207 | Rab GTPase regulation of VEGFR2 trafficking and signaling in endothelial cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2009**, 29, 1119-24 | 9.4 | 56 |
| 206 | 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 |
| 205 | Role for ADAM-family proteinases as membrane protein secretases. *Biochemical Society Transactions*, **1999**, 27, 255-9 | 5.1 | 56 |
| 204 | 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 |
| 203 | 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 |
| 202 | Tethering the N-terminus of the prion protein compromises the cellular response to oxidative stress. *Journal of Neurochemistry*, **2003**, 84, 480-90 | 6 | 55 |

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| 201 | 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 |
| 200 | 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 |
| 199 | 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 |
| 198 | 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 |
| 197 | BIN1 is decreased in sporadic but not familial Alzheimer's disease or in aging. *PLoS ONE*, **2013**, 8, e78806 | 3.7 | 49 |
| 196 | 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 |
| 195 | Amyloid β synaptotoxicity is Wnt-PCP dependent and blocked by fasudil. *Alzheimer's and Dementia*, **2018**, 14, 306-317 | 1.2 | 46 |
| 194 | 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 |
| 193 | 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 |
| 192 | Blended alginate/collagen hydrogels promote neurogenesis and neuronal maturation. *Materials Science and Engineering C*, **2019**, 104, 109904 | 8.3 | 43 |
| 191 | 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 |
| 190 | A broad-spectrum fluorescence-based peptide library for the rapid identification of protease substrates. *Proteomics*, **2006**, 6, 2112-20 | 4.8 | 43 |
| 189 | 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 |
| 188 | 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 |
| 187 | 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 |
| 186 | Surface coat remodeling during differentiation of Trypanosoma brucei. *Journal of Biological Chemistry*, **2003**, 278, 24665-72 | 5.4 | 41 |
| 185 | Determination of glycosyl-phosphatidylinositol membrane protein anchorage. *Proteomics*, **2001**, 1, 748-58 | 4.8 | 41 |
| 184 | Cellular prion protein protects against reactive-oxygen-species-induced DNA damage. *Free Radical Biology and Medicine*, **2007**, 43, 959-67 | 7.8 | 40 |

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| 183 | Secretase-mediated cell surface shedding of the angiotensin-converting enzyme. *Protein and Peptide Letters*, **2004**, 11, 423-32 | 1.9 | 39 |
| 182 | Neuronal zinc regulation and the prion protein. *Prion*, **2013**, 7, 203-8 | 2.3 | 38 |
| 181 | PCSK9: an emerging target for treatment of hypercholesterolemia. *Expert Opinion on Therapeutic Targets*, **2011**, 15, 157-68 | 6.4 | 38 |
| 180 | Differential effects of glycosphingolipids on the detergent-insolubility of the glycosylphosphatidylinositol-anchored membrane dipeptidase. *Biochemical Journal*, **2001**, 358, 209-216 | 3.8 | 38 |
| 179 | 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 |
| 178 | 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 |
| 177 | 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 |
| 176 | Roles of the juxtamembrane and extracellular domains of angiotensin-converting enzyme in ectodomain shedding. *Biochemical Journal*, **2001**, 358, 185-192 | 3.8 | 35 |
| 175 | Characterization of neuronal and endothelial forms of angiotensin converting enzyme in pig brain. *Journal of Neurochemistry*, **1991**, 57, 193-9 | 6 | 34 |
| 174 | ABCA7 p.G215S as potential protective factor for Alzheimer's disease. *Neurobiology of Aging*, **2016**, 46, 235.e1-9 | 5.6 | 33 |
| 173 | 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 |
| 172 | The role of proteolysis in Alzheimer's disease. *Advances in Experimental Medicine and Biology*, **2000**, 477, 379-90 | 3.6 | 33 |
| 171 | More than just a membrane anchor. *Current Biology*, **1992**, 2, 617-9 | 6.3 | 33 |
| 170 | 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 |
| 169 | The kinetics of phase separation in asymmetric membranes. *Biophysical Journal*, **2005**, 88, 4072-83 | 2.9 | 31 |
| 168 | Prion protein "gamma-cleavage": characterizing a novel endoproteolytic processing event. *Cellular and Molecular Life Sciences*, **2016**, 73, 667-83 | 10.3 | 30 |
| 167 | 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 |
| 166 | The amyloid precursor protein is not enriched in caveolae-like, detergent-insoluble membrane microdomains. *Journal of Neurochemistry*, **1997**, 69, 2179-88 | 6 | 30 |

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| 165 | Proteases: a primer. *Essays in Biochemistry*, **2002**, 38, 1-8 | 7.6 | 30 |
| 164 | The response of neurones and glial cells to elevated copper. *Brain Research Bulletin*, **2001**, 55, 219-24 | 3.9 | 29 |
| 163 | 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 |
| 162 | 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 |
| 161 | Mechanism of the metal-mediated endocytosis of the prion protein. *Biochemical Society Transactions*, **2008**, 36, 1272-6 | 5.1 | 27 |
| 160 | Emerging therapeutics for Alzheimer's disease. *Expert Review of Neurotherapeutics*, **2006**, 6, 695-704 | 4.3 | 27 |
| 159 | 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 |
| 158 | Proteolytic fragmentation reveals the oligomeric and domain structure of porcine aminopeptidase A. *Biochemistry*, **1997**, 36, 3000-7 | 3.2 | 26 |
| 157 | Emerging and potential therapies for Alzheimer's disease. *Expert Opinion on Therapeutic Targets*, **2008**, 12, 693-704 | 6.4 | 26 |
| 156 | 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 |
| 155 | Angiotensin-converting enzyme as a GPIase: a critical reevaluation. *Nature Medicine*, **2005**, 11, 1139-40 | 50.5 | 26 |
| 154 | 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 |
| 153 | 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 |
| 152 | Polygenic risk score in postmortem diagnosed sporadic early-onset Alzheimer's disease. *Neurobiology of Aging*, **2018**, 62, 244.e1-244.e8 | 5.6 | 25 |
| 151 | A new take on prions: preventing Alzheimer's disease. *Trends in Biochemical Sciences*, **2008**, 33, 151-5 | 10.3 | 24 |
| 150 | Differential effects of glycosphingolipids on the detergent-insolubility of the glycosylphosphatidylinositol-anchored membrane dipeptidase. *Biochemical Journal*, **2001**, 358, 209-16 | 3.8 | 24 |
| 149 | Endogenous glycosylphosphatidylinositol-specific phospholipase C releases renal dipeptidase from kidney proximal tubules in vitro. *Biochemical Journal*, **2001**, 353, 339-344 | 3.8 | 24 |
| 148 | Inhibition and metal ion activation of pig kidney aminopeptidase P. Dependence on nature of substrate. *Biochemical Pharmacology*, **1996**, 52, 229-36 | 6 | 24 |

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| 147 | Determination of mammalian membrane protein anchorage: Glycosyl-phosphatidylinositol (G-PI) or transmembrane polypeptide anchor. *Biochemical Education*, **1993**, 21, 212-216 | | 24 |
| 146 | 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 |
| 145 | Plasma angiotensin-converting enzyme in Alzheimer's disease. *Journal of Alzheimer's Disease*, **2009**, 16, 609-18 | 4.3 | 23 |
| 144 | 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 |
| 143 | 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 |
| 142 | Effect of hydrophobic mismatch on phase behavior of lipid membranes. *Biophysical Journal*, **2006**, 90, 4104-18 | 2.9 | 22 |
| 141 | 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 |
| 140 | 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 |
| 139 | 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 |
| 138 | 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 |
| 137 | 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 |
| 136 | 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 |
| 135 | Molecular cloning and expression in COS-1 cells of pig kidney aminopeptidase P. *Biochemical Journal*, **1996**, 319 ( Pt 1), 197-201 | 3.8 | 21 |
| 134 | Mosaic expression of membrane peptidases by confluent cultures of Caco-2 cells. *FEBS Letters*, **1993**, 317, 109-12 | 3.8 | 21 |
| 133 | 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 |
| 132 | Mild cognitive impairment: the Manchester consensus. *Age and Ageing*, **2021**, 50, 72-80 | 3 | 20 |
| 131 | Glypican-1 facilitates prion conversion in lipid rafts. *Journal of Neurochemistry*, **2011**, 116, 721-5 | 6 | 19 |
| 130 | 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 |

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| 129 | Identification of critical residues in the active site of porcine membrane-bound aminopeptidase P. *Biochemistry*, **2000**, 39, 15129-35 | 3.2 | 19 |
| 128 | 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 |
| 127 | Roles of the juxtamembrane and extracellular domains of angiotensin-converting enzyme in ectodomain shedding. *Biochemical Journal*, **2001**, 358, 185-92 | 3.8 | 18 |
| 126 | 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 |
| 125 | Modelling Sporadic Alzheimer's Disease Using Induced Pluripotent Stem Cells. *Neurochemical Research*, **2018**, 43, 2179-2198 | 4.6 | 18 |
| 124 | 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 |
| 123 | Normalized proliferation of normal and psoriatic keratinocytes by suppression of sAPPalpha-release. *Journal of Investigative Dermatology*, **2004**, 123, 556-63 | 4.3 | 16 |
| 122 | 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 |
| 121 | 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 |
| 120 | Contamination of nuclear fractions with plasma membrane lipid rafts. *Proteomics*, **2007**, 7, 1059-64 | 4.8 | 15 |
| 119 | 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 |
| 118 | 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 |
| 117 | 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | Regulation of amyloid-β production by the prion protein. *Prion*, **2012**, 6, 217-22 | 2.3 | 13 |
| 113 | Could inhibition of the proteasome cause mad cow disease?. *Trends in Biotechnology*, **2003**, 21, 144-5 | 15.1 | 13 |
| 112 | Endogenous glycosylphosphatidylinositol-specific phospholipase C releases renal dipeptidase from kidney proximal tubules in vitro. *Biochemical Journal*, **2001**, 353, 339-44 | 3.8 | 13 |

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