

# Neil David Rawlings

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

88 papers	12,232 citations	43 h-index	99 g-index
99 ext. papers	14,437 ext. citations	9.3 avg, IF	6.6 L-index

#	Paper	IF	Citations
88	Nonviral Peptidases <b>2021</b> , 1152-1169		
87	How to use the MEROPS database and website to help understand peptidase specificity. <i>Protein Science</i> , <b>2021</b> , 30, 83-92	6.3	14
86	Twenty-five years of nomenclature and classification of proteolytic enzymes. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2020</b> , 1868, 140345	4	8
85	Origins of peptidases. <i>Biochimie</i> , <b>2019</b> , 166, 4-18	4.6	13
84	Twenty years of bioinformatics research for protease-specific substrate and cleavage site prediction: a comprehensive revisit and benchmarking of existing methods. <i>Briefings in Bioinformatics</i> , <b>2019</b> , 20, 2150-2166	13.4	48
83	Genome properties in 2019: a new companion database to InterPro for the inference of complete functional attributes. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, D564-D572	20.1	15
82	InterPro in 2019: improving coverage, classification and access to protein sequence annotations. <i>Nucleic Acids Research</i> , <b>2019</b> , 47, D351-D360	20.1	835
81	iProt-Sub: a comprehensive package for accurately mapping and predicting protease-specific substrates and cleavage sites. <i>Briefings in Bioinformatics</i> , <b>2019</b> , 20, 638-658	13.4	124
80	The MEROPS database of proteolytic enzymes, their substrates and inhibitors in 2017 and a comparison with peptidases in the PANTHER database. <i>Nucleic Acids Research</i> , <b>2018</b> , 46, D624-D632	20.1	643
79	Using the MEROPS Database for Investigation of Lysosomal Peptidases, Their Inhibitors, and Substrates. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1594, 213-226	1.4	3
78	InterPro in 2017-beyond protein family and domain annotations. <i>Nucleic Acids Research</i> , <b>2017</b> , 45, D190-D199	20.1	970
77	Peptidase specificity from the substrate cleavage collection in the MEROPS database and a tool to measure cleavage site conservation. <i>Biochimie</i> , <b>2016</b> , 122, 5-30	4.6	43
76	Twenty years of the MEROPS database of proteolytic enzymes, their substrates and inhibitors. <i>Nucleic Acids Research</i> , <b>2016</b> , 44, D343-50	20.1	489
75	Creating a specialist protein resource network: a meeting report for the protein bioinformatics and community resources retreat. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2015</b> , 2015, bav063	5	5
74	Bacterial calpains and the evolution of the calpain (C2) family of peptidases. <i>Biology Direct</i> , <b>2015</b> , 10, 66	7.2	11
73	Chromerid genomes reveal the evolutionary path from photosynthetic algae to obligate intracellular parasites. <i>ELife</i> , <b>2015</b> , 4, e06974	8.9	138
72	Genome sequence of the tsetse fly ( <i>Glossina morsitans</i> ): vector of African trypanosomiasis. <i>Science</i> , <b>2014</b> , 344, 380-6	33.3	192

71	Structure and computational analysis of a novel protein with metallopeptidase-like and circularly permuted winged-helix-turn-helix domains reveals a possible role in modified polysaccharide biosynthesis. <i>BMC Bioinformatics</i> , <b>2014</b> , 15, 75	3.6	1
70	Genomic analysis of the causative agents of coccidiosis in domestic chickens. <i>Genome Research</i> , <b>2014</b> , 24, 1676-85	9.7	121
69	MEROPS: the database of proteolytic enzymes, their substrates and inhibitors. <i>Nucleic Acids Research</i> , <b>2014</b> , 42, D503-9	20.1	602
68	A novel RCE1 isoform is required for H-Ras plasma membrane localization and is regulated by USP17. <i>Biochemical Journal</i> , <b>2014</b> , 457, 289-300	3.8	13
67	Peptidases <b>2014</b> ,		2
66	Using the MEROPS Database for Proteolytic Enzymes and Their Inhibitors and Substrates. <i>Current Protocols in Bioinformatics</i> , <b>2014</b> , 48, 1.25.1-33	24.2	33
65	New mini- zincin structures provide a minimal scaffold for members of this metallopeptidase superfamily. <i>BMC Bioinformatics</i> , <b>2014</b> , 15, 1	3.6	225
64	Antarease <b>2013</b> , 1079-1081		
63	Introduction: The Clans and Families of Cysteine Peptidases <b>2013</b> , 1743-1773		11
62	Introduction: Metallopeptidases and Their Clans <b>2013</b> , 325-370		10
61	LUD, a new protein domain associated with lactate utilization. <i>BMC Bioinformatics</i> , <b>2013</b> , 14, 341	3.6	6
60	Unusual Species Distribution and Horizontal Transfer of Peptidases <b>2013</b> , 285-314		
59	Identification and prioritization of novel uncharacterized peptidases for biochemical characterization. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2013</b> , 2013, bat022	5	2
58	Bacteriophage T4 Prohead Endopeptidase <b>2013</b> , 3560-3562		
57	The first structure in a family of peptidase inhibitors reveals an unusual Ig-like fold. <i>F1000Research</i> , <b>2013</b> , 2, 154	3.6	2
56	The first structure in a family of peptidase inhibitors reveals an unusual Ig-like fold. <i>F1000Research</i> , <b>2013</b> , 2, 154	3.6	3
55	Evolution of the thermopsin peptidase family (A5). <i>PLoS ONE</i> , <b>2013</b> , 8, e78998	3.7	4
54	ADAM15 Peptidase <b>2013</b> , 1122-1125		

53	MEROPS: the database of proteolytic enzymes, their substrates and inhibitors. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, D343-50	20.1	686
52	Structural and sequence analysis of imelysin-like proteins implicated in bacterial iron uptake. <i>PLoS ONE</i> , <b>2011</b> , 6, e21875	3.7	15
51	Asparagine peptide lyases: a seventh catalytic type of proteolytic enzymes. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 38321-38328	5.4	65
50	Structural analysis of papain-like NlpC/P60 superfamily enzymes with a circularly permuted topology reveals potential lipid binding sites. <i>PLoS ONE</i> , <b>2011</b> , 6, e22013	3.7	19
49	MEROPS: the peptidase database. <i>Nucleic Acids Research</i> , <b>2010</b> , 38, D227-33	20.1	670
48	Peptidase inhibitors in the MEROPS database. <i>Biochimie</i> , <b>2010</b> , 92, 1463-83	4.6	52
47	Prokaryote-derived protein inhibitors of peptidases: A sketchy occurrence and mostly unknown function. <i>Biochimie</i> , <b>2010</b> , 92, 1644-56	4.6	41
46	A large and accurate collection of peptidase cleavages in the MEROPS database. <i>Database: the Journal of Biological Databases and Curation</i> , <b>2009</b> , 2009, bap015	5	33
45	Pepsin homologues in bacteria. <i>BMC Genomics</i> , <b>2009</b> , 10, 437	4.5	27
44	The MEROPS batch BLAST: a tool to detect peptidases and their non-peptidase homologues in a genome. <i>Biochimie</i> , <b>2008</b> , 90, 243-59	4.6	61
43	MEROPS: the peptidase database. <i>Nucleic Acids Research</i> , <b>2008</b> , 36, D320-5	20.1	453
42	Species of peptidases. <i>Biological Chemistry</i> , <b>2007</b> , 388, 1151-7	4.5	31
41	Unusual phyletic distribution of peptidases as a tool for identifying potential drug targets. <i>Biochemical Journal</i> , <b>2007</b> , 401, e5-7	3.8	6
40	Fxna, a novel gene differentially expressed in the rat ovary at the time of folliculogenesis, is required for normal ovarian histogenesis. <i>Development (Cambridge)</i> , <b>2007</b> , 134, 945-57	6.6	15
39	An Introduction to Peptidases and the Merops Database <b>2007</b> , 161-179		6
38	MEROPS: the peptidase database. <i>Nucleic Acids Research</i> , <b>2006</b> , 34, D270-2	20.1	455
37	Genome of the host-cell transforming parasite <i>Theileria annulata</i> compared with <i>T. parva</i> . <i>Science</i> , <b>2005</b> , 309, 131-3	33.3	235
36	Introduction: metallopeptidases and their clans <b>2004</b> , 231-267		24

35	MEROPS: the peptidase database. <i>Nucleic Acids Research</i> , <b>2004</b> , 32, D160-4	20.1	325
34	The PepSY domain: a regulator of peptidase activity in the microbial environment?. <i>Trends in Biochemical Sciences</i> , <b>2004</b> , 29, 169-72	10.3	55
33	Evolutionary families of peptidase inhibitors. <i>Biochemical Journal</i> , <b>2004</b> , 378, 705-16	3.8	459
32	Introduction: aspartic peptidases and their clans <b>2004</b> , 3-12		6
31	Managing peptidases in the genomic era. <i>Biological Chemistry</i> , <b>2003</b> , 384, 873-82	4.5	33
30	The CHAP domain: a large family of amidases including GSP amidase and peptidoglycan hydrolases. <i>Trends in Biochemical Sciences</i> , <b>2003</b> , 28, 234-7	10.3	182
29	A comparison of Pfam and MEROPS: two databases, one comprehensive, and one specialised. <i>BMC Bioinformatics</i> , <b>2003</b> , 4, 17	3.6	6
28	MEROPS: the protease database. <i>Nucleic Acids Research</i> , <b>2002</b> , 30, 343-6	20.1	160
27	Evolutionary lines of cysteine peptidases. <i>Biological Chemistry</i> , <b>2001</b> , 382, 727-33	4.5	145
26	The MEROPS database as a protease information system. <i>Journal of Structural Biology</i> , <b>2001</b> , 134, 95-102	3.4	106
25	MEROPS: the peptidase database. <i>Nucleic Acids Research</i> , <b>2000</b> , 28, 323-5	20.1	97
24	Tripeptidyl-peptidase I is apparently the CLN2 protein absent in classical late-infantile neuronal ceroid lipofuscinosis. <i>BBA - Proteins and Proteomics</i> , <b>1999</b> , 1429, 496-500		74
23	MEROPS: the peptidase database. <i>Nucleic Acids Research</i> , <b>1999</b> , 27, 325-31	20.1	187
22	Thimet oligopeptidase: site-directed mutagenesis disproves previous assumptions about the nature of the catalytic site. <i>FEBS Letters</i> , <b>1998</b> , 435, 16-20	3.8	5
21	Identification of the active site of legumain links it to caspases, clostripain and gingipains in a new clan of cysteine endopeptidases. <i>FEBS Letters</i> , <b>1998</b> , 441, 361-5	3.8	169
20	Cloning, isolation, and characterization of mammalian legumain, an asparaginyl endopeptidase. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 8090-8	5.4	265
19	A primitive enzyme for a primitive cell: the protease required for excystation of <i>Giardia</i> . <i>Cell</i> , <b>1997</b> , 89, 437-44	56.2	133
18	Structure of membrane glutamate carboxypeptidase. <i>BBA - Proteins and Proteomics</i> , <b>1997</b> , 1339, 247-52		64

17	Families and clans of cysteine peptidases. <i>Journal of Computer - Aided Molecular Design</i> , <b>1996</b> , 6, 1-11		35
16	Dipeptidyl-peptidase II is related to lysosomal Pro-X carboxypeptidase. <i>BBA - Proteins and Proteomics</i> , <b>1996</b> , 1298, 1-3		16
15	Families of aspartic peptidases, and those of unknown catalytic mechanism. <i>Methods in Enzymology</i> , <b>1995</b> , 248, 105-20	1.7	114
14	Thimet oligopeptidase and oligopeptidase M or neurolysin. <i>Methods in Enzymology</i> , <b>1995</b> , 248, 529-56	1.7	85
13	Families and clans of serine peptidases. <i>Archives of Biochemistry and Biophysics</i> , <b>1995</b> , 318, 247-50	4.1	152
12	Evolutionary families of metallopeptidases. <i>Methods in Enzymology</i> , <b>1995</b> , 248, 183-228	1.7	601
11	Families of cysteine peptidases. <i>Methods in Enzymology</i> , <b>1994</b> , 244, 461-86	1.7	261
10	Families of serine peptidases. <i>Methods in Enzymology</i> , <b>1994</b> , 244, 19-61	1.7	423
9	Oligopeptidases, and the emergence of the prolyl oligopeptidase family. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1992</b> , 373, 353-60		74
8	The baculovirus Autographa californica nuclear polyhedrosis virus genome includes a papain-like sequence. <i>Biological Chemistry Hoppe-Seyler</i> , <b>1992</b> , 373, 1211-5		34
7	Types and families of endopeptidases. <i>Biochemical Society Transactions</i> , <b>1991</b> , 19, 707-15	5.1	28
6	Potential metal ligands in the insulinase superfamily of endopeptidases. <i>Biochemical Society Transactions</i> , <b>1991</b> , 19, 289S	5.1	4
5	Evolution of proteins of the cystatin superfamily. <i>Journal of Molecular Evolution</i> , <b>1990</b> , 30, 60-71	3.1	251
4	FLUSYS: a software package for the collection and analysis of kinetic and scanning data from Perkin-Elmer fluorimeters. <i>Bioinformatics</i> , <b>1990</b> , 6, 118-9	7.2	18
3	Stem bromelain: amino acid sequence and implications for weak binding of cystatin. <i>FEBS Letters</i> , <b>1989</b> , 247, 419-24	3.8	108
2	Papaya proteinase IV amino acid sequence. <i>FEBS Letters</i> , <b>1989</b> , 258, 109-12	3.8	37
1	Peptidases2, 86-94		