

# Majambu Mbikay

## List of Publications by Year in descending order

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80  
papers

4,101  
citations

136950

32  
h-index

118850

62  
g-index

80  
all docs

80  
docs citations

80  
times ranked

4653  
citing authors

#	ARTICLE	IF	CITATIONS
1	PCSK9. <i>Circulation Research</i> , 2014, 114, 1022-1036.	4.5	495
2	Therapeutic Potential of <i>Moringa oleifera</i> Leaves in Chronic Hyperglycemia and Dyslipidemia: A Review. <i>Frontiers in Pharmacology</i> , 2012, 3, 24.	3.5	307
3	Plasma PCSK9 levels are significantly modified by statins and fibrates in humans. <i>Lipids in Health and Disease</i> , 2008, 7, 22.	3.0	187
4	PCSK9-deficient mice exhibit impaired glucose tolerance and pancreatic islet abnormalities. <i>FEBS Letters</i> , 2010, 584, 701-706.	2.8	165
5	An infant with deletion of the distal long arm of chromosome 15 (q26.1â†’qter) and loss of insulin-like growth factor 1 receptor gene. <i>American Journal of Medical Genetics Part A</i> , 1991, 38, 74-79.	2.4	160
6	Neuroendocrine secretory protein 7B2: structure, expression and functions. <i>Biochemical Journal</i> , 2001, 357, 329-342.	3.7	155
7	The Multifaceted Proprotein Convertases: Their Unique, Redundant, Complementary, and Opposite Functions. <i>Journal of Biological Chemistry</i> , 2013, 288, 21473-21481.	3.4	151
8	The Subtilisin/Kexin Family of Precursor Convertases: Emphasis on PC1, PC2/7B2, POMC and the Novel Enzyme SKI-1. <i>Annals of the New York Academy of Sciences</i> , 1999, 885, 57-74.	3.8	130
9	Neuroendocrine secretory protein 7B2: structure, expression and functions. <i>Biochemical Journal</i> , 2001, 357, 329.	3.7	123
10	Novel Loss-of-Function PCSK9 Variant Is Associated with Low Plasma LDL Cholesterol in a French-Canadian Family and with Impaired Processing and Secretion in Cell Culture. <i>Clinical Chemistry</i> , 2011, 57, 1415-1423.	3.2	101
11	Role of pro-IGF-II processing by proprotein convertase 4 in human placental development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11047-11052.	7.1	100
12	The Cysteine-rich Domain of the Secreted Proprotein Convertases PC5A and PACE4 Functions as a Cell Surface Anchor and Interacts with Tissue Inhibitors of Metalloproteinases. <i>Molecular Biology of the Cell</i> , 2005, 16, 5215-5226.	2.1	88
13	Involvement of matrix metalloproteinases in the adipose conversion of 3T3-L1 preadipocytes. <i>Biochemical Journal</i> , 2002, 364, 739-746.	3.7	84
14	Plasma PCSK9 levels correlate with cholesterol in men but not in women. <i>Biochemical and Biophysical Research Communications</i> , 2007, 361, 451-456.	2.1	82
15	Prophylactic Efficacy of Quercetin 3-O- $\beta$ -D-Glucoside against Ebola Virus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 5182-5188.	3.2	77
16	Deletion of the Gene Encoding Proprotein Convertase 5/6 Causes Early Embryonic Lethality in the Mouse. <i>Molecular and Cellular Biology</i> , 2006, 26, 354-361.	2.3	73
17	Molecular Cloning and Sequence of the cDNA for a 94-Amino-Acid Seminal Plasma Protein Secreted by the Human Prostate. <i>DNA and Cell Biology</i> , 1987, 6, 23-29.	5.2	71
18	PCSK9 is phosphorylated by a Golgi casein kinase-like kinase <i>in vivo</i> and circulates as a phosphoprotein in humans. <i>FEBS Journal</i> , 2008, 275, 3480-3493.	4.7	58

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19	Quercetinâ€³â€¢glucoside increases lowâ€¢density lipoprotein receptor (LDLR) expression, attenuates proprotein convertase subtilisin/kexin 9 (PCSK9) secretion, and stimulates LDL uptake by Huh7 human hepatocytes in culture. <i>FEBS Open Bio</i> , 2014, 4, 755-762.	2.3	58
20	Sperm from Mice Genetically Deficient for the PCSK4 Proteinase Exhibit Accelerated Capacitation, Precocious Acrosome Reaction, Reduced Binding to Egg Zona Pellucida, and Impaired Fertilizing Ability. <i>Biology of Reproduction</i> , 2006, 74, 666-673.	2.7	53
21	cDNA sequence of neuroendocrine protein 7B2 expressed in beta cell tumors of transgenic mice. <i>International Journal of Peptide and Protein Research</i> , 1989, 33, 39-45.	0.1	50
22	Differential effects of PCSK9 loss of function variants on serum lipid and PCSK9 levels in Caucasian and African Canadian populations. <i>Lipids in Health and Disease</i> , 2013, 12, 70.	3.0	50
23	Chromosomal assignments of the genes for neuroendocrine convertase PC1 (NEC1) to human 5q15â€¢21, neuroendocrine convertase PC2 (NEC2) to human 20p11.1â€¢11.2, and furin (mouse 7[D1-E2] region). <i>Genomics</i> , 1991, 11, 103-107.	2.9	47
24	Altered processing of the neurotensin/neuromedinâ€¢fN precursor in PC2 knock down mice: a biochemical and immunohistochemical study. <i>Journal of Neurochemistry</i> , 2002, 82, 783-793.	3.9	47
25	The testicular germ-cell protease PC4 is also expressed in macrophage-like cells of the ovary. <i>Journal of Reproductive Immunology</i> , 2001, 49, 133-152.	1.9	46
26	Structure of the Gene for the Testis-Specific Proprotein Convertase 4 and of Its Alternate Messenger RNA Isoforms. <i>Genomics</i> , 1994, 20, 231-237.	2.9	45
27	Pituitary Adenylate Cyclase-Activating Polypeptide Precursor Is Processed Solely by Prohormone Convertase 4 in the Gonads*. <i>Endocrinology</i> , 2000, 141, 3723-3730.	2.8	44
28	60 YEARS OF POMC: From the prohormone theory to pro-opiomelanocortin and to proprotein convertases (PCSK1 to PCSK9). <i>Journal of Molecular Endocrinology</i> , 2016, 56, T49-T62.	2.5	43
29	Enzymic characterization in vitro of recombinant proprotein convertase PC4. <i>Biochemical Journal</i> , 1999, 343, 29-37.	3.7	41
30	Characterization of ostrich ( <i>Struthio camelus</i> ) Î² <sup>2</sup> -microseminoprotein (MSP): Ideication of homologous sequences in EST databases and analysis of their evolution during speciation. <i>Protein Science</i> , 2008, 10, 2207-2218.	7.6	40
31	Proprotein convertase subtilisin/kexin type 4 in mammalian fertility: a review. <i>Human Reproduction Update</i> , 2009, 15, 237-247.	10.8	36
32	A targeted deletion/insertion in the mouse <i>Pcsk1</i> locus is associated with homozygous embryo preimplantation lethality, mutant allele preferential transmission and heterozygous female susceptibility to dietary fat. <i>Developmental Biology</i> , 2007, 306, 584-598.	2.0	34
33	Expression of PCSK1 (PC1/3), PCSK2 (PC2) and PCSK3 (furin) in mouse small intestine. <i>Regulatory Peptides</i> , 2009, 152, 54-60.	1.9	34
34	Chromosomal assignment of the genes for proprotein convertases PC4, PC5, and PACE 4 in mouse and human. <i>Genomics</i> , 1995, 26, 123-129.	2.9	32
35	In vitro elucidation of substrate specificity and bioassay of proprotein convertase 4 using intramolecularly quenched fluorogenic peptides. <i>Biochemical Journal</i> , 2004, 380, 505-514.	3.7	32
36	Proprotein convertases as therapeutic targets. <i>Expert Opinion on Therapeutic Targets</i> , 2008, 12, 1289-1300.	3.4	32

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37	The Effect of PCSK9 Loss-of-Function Variants on the Postprandial Lipid and ApoB-Lipoprotein Response. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2017, 102, 3452-3460.	3.6	32
38	The ever-expanding saga of the proprotein convertases and their roles in body homeostasis. <i>Current Opinion in Lipidology</i> , 2018, 29, 144-150.	2.7	30
39	Mice Fed a High-Cholesterol Diet Supplemented with Quercetin-Glucoside Show Attenuated Hyperlipidemia and Hyperinsulinemia Associated with Differential Regulation of PCSK9 and LDLR in their Liver and Pancreas. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700729.	3.3	29
40	The loss-of-function PCSK9Q152H variant increases ER chaperones GRP78 and GRP94 and protects against liver injury. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	29
41	Assignment of the gene for neuroendocrine protein 7B2 (SGNE1 locus) to mouse chromosome region 2[E3-F3] and to human chromosome region 15q11-q15. <i>Genomics</i> , 1990, 6, 436-440.	2.9	28
42	Variable effects of gender and Western diet on lipid and glucose homeostasis in aged PCSK9-deficient C57BL/6 mice. <i>Journal of Lipid Research</i> , 2018, 59, 1455-1465.	1.8	28
43	Rapid evolution of prostatic protein PSP94 suggested by sequence divergence between rhesus monkey and human cDNAs. <i>Genomics</i> , 1991, 9, 775-777.	2.9	27
44	Pituitary Adenylate Cyclase Activating Polypeptide- Mediated Intracrine Signaling in the Testicular Germ Cells. <i>Endocrine</i> , 2004, 23, 59-76.	2.2	26
45	Proprotein Convertases Subtilisin/Kexin Type 9, an enzyme turned escort protein: Hepatic and extra hepatic functions. <i>Journal of Lipid Research</i> , 2001, 42, 391-405.	2.8	26
46	Pituitary Adenylate Cyclase-Activating Polypeptide Precursor Is Processed Solely by Prohormone Convertase 4 in the Gonads. <i>Endocrinology</i> , 2000, 141, 3723-3730.	2.8	26
47	Localization of the Human Prostatic Secretory Protein PSP <sub>94</sub> and its mRNA in the Epithelial Cells of the Prostate. <i>Journal of Andrology</i> , 1988, 9, 253-260.	2.0	25
48	Recombinant proprotein convertase 4 (PC4) from <i>Leishmania tarentolae</i> expression system: Purification, biochemical study and inhibitor design. <i>Protein Expression and Purification</i> , 2008, 60, 117-126.	1.3	25
49	Of PCSK9, cholesterol homeostasis and parasitic infections: Possible survival benefits of loss-of-function PCSK9 genetic polymorphisms. <i>Medical Hypotheses</i> , 2007, 69, 1010-1017.	1.5	24
50	Immunological identification and sequence characterization of a peptide derived from the processing of neuroendocrine protein 7B2. <i>FEBS Letters</i> , 1991, 294, 23-26.	2.8	23
51	Prohormone Convertase PC4 Processes the Precursor of PACAP in the Testis. <i>Annals of the New York Academy of Sciences</i> , 2000, 921, 333-339.	3.8	23
52	PCSK2-null mice exhibit delayed intestinal motility, reduced refeeding response and altered plasma levels of several regulatory peptides. <i>Life Sciences</i> , 2011, 88, 212-217.	4.3	21
53	From Proopiomelanocortin to Cancer.. <i>Annals of the New York Academy of Sciences</i> , 1993, 680, 13-19.	3.8	20
54	Expression of Neuroendocrine Secretory Protein 7B2 mRNA in the Mouse and Rat Pituitary Gland. <i>Neuroendocrinology</i> , 1993, 58, 86-93.	2.5	20

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55	Enzymic characterization in vitro of recombinant proprotein convertase PC4. <i>Biochemical Journal</i> , 1999, 343, 29.	3.7	20
56	Increased stress-induced analgesia in mice lacking the proneuropeptide convertase PC2. <i>Neuroscience Letters</i> , 2006, 406, 71-75.	2.1	19
57	Differences of Pancreatic Expression of 7B2 Between C57BL/6J and C3H/HeJ Mice and Genetic Polymorphisms at its locus (Sgnc1). <i>Diabetes</i> , 2006, 55, 452-459.	0.6	19
58	Effects of rs6234/rs6235 and rs6232/rs6234/rs6235 PCSK1 single-nucleotide polymorphism clusters on proprotein convertase 1/3 biosynthesis and activity. <i>Molecular Genetics and Metabolism</i> , 2011, 104, 682-687.	1.1	19
59	Proprotein convertases are important mediators of the adipocyte differentiation of mouse 3T3-L1 cells. <i>Journal of Cell Science</i> , 2002, 115, 1203-11.	2.0	18
60	Molecular Cloning and Gene Expression Analysis of PSP94 (Prostate Secretory Protein of 94 Amino) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.9	16
61	Ethnic Differences in the Frequency of the Cardioprotective C679X PCSK9 Mutation in a West African Population. <i>Genetic Testing and Molecular Biomarkers</i> , 2008, 12, 377-380.	1.7	16
62	Associations Between Soluble LDLR and Lipoproteins in a White Cohort and the Effect of PCSK9 Loss-of-Function. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2018, 103, 3486-3495.	3.6	14
63	Expression and transient nuclear translocation of proprotein convertase 1 (PC1) during mouse preimplantation embryonic development. <i>Molecular Reproduction and Development</i> , 2005, 72, 483-493.	2.0	12
64	PCSK4-null sperm display enhanced protein tyrosine phosphorylation and ADAM2 proteolytic processing during in vitro capacitation. <i>Fertility and Sterility</i> , 2010, 93, 1112-1123.	1.0	12
65	Malaria severity: Possible influence of the E670G PCSK9 polymorphism: A preliminary case-control study in Malian children. <i>PLoS ONE</i> , 2018, 13, e0192850.	2.5	12
66	Calcium-induced aggregation of neuroendocrine protein 7B2in vitro and its modulation by ATP. <i>Molecular and Cellular Biochemistry</i> , 1995, 151, 39-47.	3.1	11
67	Functional diversity of bioactive peptides in the nervous system itself: "How the brain may understand" Bioscience Reports, 1989, 9, 693-700.	2.4	10
68	The enigma of soluble LDLR: could inflammation be the key?. <i>Lipids in Health and Disease</i> , 2020, 19, 17.	3.0	10
69	The production by alternate splicing of two mRNAs differing by one codon could be an intrinsic property of neuroendocrine protein 7B2 gene expression in man. <i>Biochemical and Biophysical Research Communications</i> , 1991, 174, 156-162.	2.1	9
70	ACTH secretion by mouse corticotroph AtT20 cells is negatively modulated by the intracellular level of 7B2. <i>FEBS Letters</i> , 2002, 512, 259-262.	2.8	9
71	The precursor to the germ cell-specific PCSK4 proteinase is inefficiently activated in transfected somatic cells: evidence of interaction with the BiP chaperone. <i>Molecular and Cellular Biochemistry</i> , 2011, 348, 43-52.	3.1	8
72	Association of the rs562556 PCSK9 Gene Polymorphism with Reduced Mortality in Severe Malaria among Malian Children. <i>Canadian Journal of Infectious Diseases and Medical Microbiology</i> , 2020, 2020, 1-5.	1.9	7

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73	A Chimeric Proinsulin-CD5 Protein Expressed in AtT-20 Cells Is Directed to the Cell Surface via the Constitutive Pathway. <i>Experimental Cell Research</i> , 1995, 220, 79-91.	2.6	4
74	Genetic Mapping of the Gene for SKI-1/S1P Protease (locus Symbol Mbtps 1) to Mouse Chromosome 8. <i>DNA Sequence</i> , 2002, 13, 109-111.	0.7	4
75	Characterization of a repressor element in the promoter region of proprotein convertase 2 (PC2) gene. <i>Molecular Brain Research</i> , 2002, 102, 35-47.	2.3	4
76	Allelic clustering and ancestry-dependent frequencies of rs6232, rs6234, and rs6235 PCSK1 SNPs in a Northern Ontario population sample. <i>Journal of Community Genetics</i> , 2012, 3, 319-322.	1.2	4
77	Regulation of 7B2 mRNA Translation: Dissecting the Role of Its 5' Untranslated Region. <i>Methods in Molecular Biology</i> , 2011, 768, 217-230.	0.9	4
78	The biological relevance of PCSK9: when less is better. <i>Biochemistry and Cell Biology</i> , 2022, 100, 189-198.	2.0	4
79	Proteomic Analysis of Neuroendocrine Peptidergic System Disruption Using the AtT20 Pituitary Cell Line as a Model. <i>Methods in Molecular Biology</i> , 2008, 410, 111-122.	0.9	2
80	Comparing expression and activity of PCSK9 in SPRET/Eij and C57BL/6J mouse strains shows lack of correlation with plasma cholesterol. <i>Molecular Genetics and Metabolism Reports</i> , 2017, 10, 11-17.	1.1	1