

Rachid Essalmani

List of Publications by Year in descending order

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45
papers

3,124
citations

185998

28
h-index

233125

45
g-index

49
all docs

49
docs citations

49
times ranked

3630
citing authors

#	ARTICLE	IF	CITATIONS
1	NARC-1/PCSK9 and Its Natural Mutants. <i>Journal of Biological Chemistry</i> , 2004, 279, 48865-48875.	1.6	544
2	Proprotein convertase subtilisin/kexin type 9 (PCSK9): Hepatocyte-specific low-density lipoprotein receptor degradation and critical role in mouse liver regeneration. <i>Hepatology</i> , 2008, 48, 646-654.	3.6	354
3	The activation and physiological functions of the proprotein convertases. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 1111-1125.	1.2	285
4	Markedly Increased Susceptibility to Natural Sheep Scrapie of Transgenic Mice Expressing Ovine PrP. <i>Journal of Virology</i> , 2001, 75, 5977-5984.	1.5	165
5	In Vivo Evidence That Furin from Hepatocytes Inactivates PCSK9. <i>Journal of Biological Chemistry</i> , 2011, 286, 4257-4263.	1.6	132
6	A Bovine Prion Acquires an Epidemic Bovine Spongiform Encephalopathy Strain-Like Phenotype on Interspecies Transmission. <i>Journal of Neuroscience</i> , 2007, 27, 6965-6971.	1.7	122
7	VACTERL/caudal regression/Currarino syndrome-like malformations in mice with mutation in the proprotein convertase <i>Pcsk5</i> . <i>Genes and Development</i> , 2008, 22, 1465-1477.	2.7	110
8	<i>In vivo</i> functions of the proprotein convertase PC5/6 during mouse development: Gdf11 is a likely substrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5750-5755.	3.3	99
9	Proprotein Convertase Subtilisin/Kexin Type 9 Deficiency Reduces Melanoma Metastasis in Liver. <i>Neoplasia</i> , 2012, 14, 1122-IN5.	2.3	94
10	Processing of Human Toll-like Receptor 7 by Furin-like Proprotein Convertases Is Required for Its Accumulation and Activity in Endosomes. <i>Immunity</i> , 2013, 39, 711-721.	6.6	77
11	Disruption of the expression of the proprotein convertase PC7 reduces BDNF production and affects learning and memory in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17362-17367.	3.3	74
12	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.	1.1	73
13	Distinctive Roles of Furin and TMPRSS2 in SARS-CoV-2 Infectivity. <i>Journal of Virology</i> , 2022, 96, e0012822.	1.5	64
14	Effects of the Prosegment and pH on the Activity of PCSK9. <i>Journal of Biological Chemistry</i> , 2010, 285, 40965-40978.	1.6	60
15	Implication of the proprotein convertases in iron homeostasis: Proprotein convertase 7 sheds human transferrin receptor 1 and furin activates hepcidin. <i>Hepatology</i> , 2013, 57, 2514-2524.	3.6	57
16	Proprotein convertase furin regulates osteocalcin and bone endocrine function. <i>Journal of Clinical Investigation</i> , 2017, 127, 4104-4117.	3.9	55
17	Furin Is the Major Processing Enzyme of the Cardiac-specific Growth Factor Bone Morphogenetic Protein 10. <i>Journal of Biological Chemistry</i> , 2011, 286, 22785-22794.	1.6	52
18	Amyloid Precursor-like Protein 2 and Sortilin Do Not Regulate the PCSK9 Convertase-mediated Low Density Lipoprotein Receptor Degradation but Interact with Each Other. <i>Journal of Biological Chemistry</i> , 2015, 290, 18609-18620.	1.6	47

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19	PCSK9 deficiency unmasks a sex- and tissue-specific subcellular distribution of the LDL and VLDL receptors in mice. <i>Journal of Lipid Research</i> , 2015, 56, 2133-2142.	2.0	45
20	Reducing Vascular Calcification by Anti-IL-1 β Monoclonal Antibody in a Mouse Model of Familial Hypercholesterolemia. <i>Angiology</i> , 2016, 67, 157-167.	0.8	44
21	New in vivo and ex vivo models for the experimental study of sheep scrapie: development and perspectives. <i>Comptes Rendus - Biologies</i> , 2002, 325, 49-57.	0.1	43
22	Loss of Endothelial Furin Leads to Cardiac Malformation and Early Postnatal Death. <i>Molecular and Cellular Biology</i> , 2012, 32, 3382-3391.	1.1	43
23	Furin Is the Primary in Vivo Convertase of Angiotensin-like 3 and Endothelial Lipase in Hepatocytes. <i>Journal of Biological Chemistry</i> , 2013, 288, 26410-26418.	1.6	43
24	The Role of Presenilin-1 in the β -Secretase Cleavage of the Amyloid Precursor Protein of Alzheimer's Disease. <i>Journal of Biological Chemistry</i> , 2000, 275, 1525-1528.	1.6	36
25	Ser-Phosphorylation of PCSK9 (Proprotein Convertase Subtilisin-Kexin 9) by Fam20C (Family With Tj ETQq1 1 0.784314 rgBT /Overlock	1.1	36
26	The Proprotein Convertase Subtilisin/Kexin Type 9-resistant R410S Low Density Lipoprotein Receptor Mutation. <i>Journal of Biological Chemistry</i> , 2017, 292, 1573-1590.	1.6	30
27	The proprotein convertase PC5/6 is protective against intestinal tumorigenesis: in vivo mouse model. <i>Molecular Cancer</i> , 2009, 8, 73.	7.9	29
28	Neuroinflammation-Induced Interactions between Protease-Activated Receptor 1 and Proprotein Convertases in HIV-Associated Neurocognitive Disorder. <i>Molecular and Cellular Biology</i> , 2015, 35, 3684-3700.	1.1	29
29	The Long Term Adenoviral Expression of the Human Amyloid Precursor Protein Shows Different Secretase Activities in Rat Cortical Neurons and Astrocytes. <i>Journal of Biological Chemistry</i> , 1998, 273, 28931-28936.	1.6	28
30	Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) Single Domain Antibodies Are Potent Inhibitors of Low Density Lipoprotein Receptor Degradation. <i>Journal of Biological Chemistry</i> , 2016, 291, 16659-16671.	1.6	28
31	Inactivation of endothelial proprotein convertase 5/6 decreases collagen deposition in the cardiovascular system: role of fibroblast autophagy. <i>Journal of Molecular Medicine</i> , 2011, 89, 1103-1111.	1.7	25
32	Substantial PCSK9 inactivation in β -cells does not modify glucose homeostasis or insulin secretion in mice. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2021, 1866, 158968.	1.2	24
33	Missense Mutations Associated with Familial Alzheimer's Disease in Sweden Lead to the Production of the Amyloid Peptide without Internalization of Its Precursor. <i>Biochemical and Biophysical Research Communications</i> , 1996, 218, 89-96.	1.0	21
34	Latent Transforming Growth Factor β -Binding Proteins-2 and -3 Inhibit the Proprotein Convertase 5/6A. <i>Journal of Biological Chemistry</i> , 2011, 286, 29063-29073.	1.6	20
35	Angiotensin1 Deficiency in Hepatocytes Affects the Growth of Colorectal Cancer Liver Metastases (CRCLM). <i>Cancers</i> , 2020, 12, 35.	1.7	15
36	Asialoglycoprotein receptor 1 is a novel PCSK9-independent ligand of liver LDLR cleaved by furin. <i>Journal of Biological Chemistry</i> , 2021, 297, 101177.	1.6	15

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37	An Unbiased Mass Spectrometry Approach Identifies Glypican-3 as an Interactor of Proprotein Convertase Subtilisin/Kexin Type 9 (PCSK9) and Low Density Lipoprotein Receptor (LDLR) in Hepatocellular Carcinoma Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 24676-24687.	1.6	14
38	Osteopontin as a novel substrate for the proprotein convertase 5/6 (PCSK5) in bone. <i>Bone</i> , 2018, 107, 45-55.	1.4	14
39	Proprotein convertase 7 (PCSK7) reduces apoA ϵ V levels. <i>FEBS Journal</i> , 2020, 287, 3565-3578.	2.2	13
40	Deferoxamine stimulates LDLR expression and LDL uptake in HepG2 cells. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 600-608.	1.5	11
41	Thrombin activation of protein C requires prior processing by a liver proprotein convertase. <i>Journal of Biological Chemistry</i> , 2017, 292, 10564-10573.	1.6	10
42	A single domain antibody against the Cys- and His-rich domain of PCSK9 and evolocumab exhibit different inhibition mechanisms in humanized PCSK9 mice. <i>Biological Chemistry</i> , 2018, 399, 1363-1374.	1.2	10
43	Is there a link between proprotein convertase PC7 activity and human lipid homeostasis?. <i>FEBS Open Bio</i> , 2014, 4, 741-745.	1.0	9
44	Sequence determination and expression of the ovine doppel-encoding gene in transgenic mice. <i>Gene</i> , 2002, 285, 287-290.	1.0	8
45	In Vivo Analysis of the Contribution of Proprotein Convertases to the Processing of FGF23. <i>Frontiers in Endocrinology</i> , 2021, 12, 690681.	1.5	8