

Roman Szabo

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,104
citations

361413

20
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1581
citing authors

#	ARTICLE	IF	CITATIONS
1	Matriptase/MT-SP1 is required for postnatal survival, epidermal barrier function, hair follicle development, and thymic homeostasis. <i>Oncogene</i> , 2002, 21, 3765-3779.	5.9	300
2	Membrane anchored serine proteases: a rapidly expanding group of cell surface proteolytic enzymes with potential roles in cancer. <i>Cancer and Metastasis Reviews</i> , 2003, 22, 237-258.	5.9	256
3	Loss of proteolytically processed filaggrin caused by epidermal deletion of Matriptase/MT-SP1. <i>Journal of Cell Biology</i> , 2003, 163, 901-910.	5.2	195
4	Evidence for a Matriptase-Prostasin Proteolytic Cascade Regulating Terminal Epidermal Differentiation. <i>Journal of Biological Chemistry</i> , 2006, 281, 32941-32945.	3.4	164
5	Membrane-anchored serine protease matriptase regulates epithelial barrier formation and permeability in the intestine. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 4200-4205.	7.1	150
6	Epithelial Integrity Is Maintained by a Matriptase-Dependent Proteolytic Pathway. <i>American Journal of Pathology</i> , 2009, 175, 1453-1463.	3.8	126
7	Membrane-Anchored Serine Proteases in Vertebrate Cell and Developmental Biology. <i>Annual Review of Cell and Developmental Biology</i> , 2011, 27, 213-235.	9.4	111
8	Regulation of cell surface protease matriptase by HAI2 is essential for placental development, neural tube closure and embryonic survival in mice. <i>Development (Cambridge)</i> , 2009, 136, 2653-2663.	2.5	106
9	Type II transmembrane serine proteases. <i>Thrombosis and Haemostasis</i> , 2003, 90, 185-193.	3.4	100
10	Potent Inhibition and Global Co-localization Implicate the Transmembrane Kunitz-type Serine Protease Inhibitor Hepatocyte Growth Factor Activator Inhibitor-2 in the Regulation of Epithelial Matriptase Activity. <i>Journal of Biological Chemistry</i> , 2008, 283, 29495-29504.	3.4	93
11	Autosomal Ichthyosis with Hypotrichosis Syndrome Displays Low Matriptase Proteolytic Activity and Is Phenocopied in ST14 Hypomorphic Mice. <i>Journal of Biological Chemistry</i> , 2007, 282, 36714-36723.	3.4	92
12	Reduced Prostasin (CAP1/PRSS8) Activity Eliminates HAI-1 and HAI-2 Deficiency-Associated Developmental Defects by Preventing Matriptase Activation. <i>PLoS Genetics</i> , 2012, 8, e1002937.	3.5	59
13	Loss of Matriptase Suppression Underlies Spint1 Mutation-Associated Ichthyosis and Postnatal Lethality. <i>American Journal of Pathology</i> , 2009, 174, 2015-2022.	3.8	54
14	Mouse DESC1 Is Located within a Cluster of Seven DESC1-like Genes and Encodes a Type II Transmembrane Serine Protease That Forms Serpin Inhibitory Complexes. <i>Journal of Biological Chemistry</i> , 2004, 279, 46981-46994.	3.4	44
15	Expression and Genetic Loss of Function Analysis of the HAT/DESC Cluster Proteases TMPRSS11A and HAT. <i>PLoS ONE</i> , 2011, 6, e23261.	2.5	41
16	The Membrane-anchored Serine Protease Prostasin (CAP1/PRSS8) Supports Epidermal Development and Postnatal Homeostasis Independent of Its Enzymatic Activity. <i>Journal of Biological Chemistry</i> , 2014, 289, 14740-14749.	3.4	32
17	Delineation of proteolytic and non-proteolytic functions of membrane-anchored serine protease Prss8/prostasin. <i>Development (Cambridge)</i> , 2016, 143, 2818-28.	2.5	28
18	Potent and specific inhibition of the biological activity of the type-II transmembrane serine protease matriptase by the cyclic microprotein MCoTI-II. <i>Thrombosis and Haemostasis</i> , 2014, 112, 402-411.	3.4	27

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19	TMPRSS13 deficiency impairs stratum corneum formation and epidermal barrier acquisition. <i>Biochemical Journal</i> , 2014, 461, 487-495.	3.7	23
20	Matriptase drives early-onset intestinal failure in a mouse model of congenital tufting enteropathy. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	21
21	Membrane-anchored serine proteases as regulators of epithelial function. <i>Biochemical Society Transactions</i> , 2020, 48, 517-528.	3.4	20
22	Regulation of Feto-Maternal Barrier by Matriptase- and PAR-2-Mediated Signaling Is Required for Placental Morphogenesis and Mouse Embryonic Survival. <i>PLoS Genetics</i> , 2014, 10, e1004470.	3.5	19
23	Zymogen-locked mutant prostaticin (Prss8) leads to incomplete proteolytic activation of the epithelial sodium channel (ENaC) and severely compromises triamterene tolerance in mice. <i>Acta Physiologica</i> , 2021, 232, e13640.	3.8	18
24	Loss of HAI-2 in mice with decreased prostaticin activity leads to an early-onset intestinal failure resembling congenital tufting enteropathy. <i>PLoS ONE</i> , 2018, 13, e0194660.	2.5	13
25	Iterative, multiplexed CRISPR-mediated gene editing for functional analysis of complex protease gene clusters. <i>Journal of Biological Chemistry</i> , 2019, 294, 15987-15996.	3.4	8
26	EPCAM and TROP2 share a role in claudin stabilization and development of intestinal and extraintestinal epithelia in mice. <i>Biology Open</i> , 2022, 11, .	1.2	4