

# Ilya V Demidyuk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1504516/publications.pdf>

Version: 2024-02-01

49  
papers

897  
citations

471061

17  
h-index

476904

29  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1097  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytoplasmic vacuolization in cell death and survival. <i>Oncotarget</i> , 2016, 7, 55863-55889.	0.8	226
2	Cloning, sequencing, expression, and characterization of protealysin, a novel neutral proteinase from <i>Serratia proteamaculans</i> representing a new group of thermolysin-like proteases with short N-terminal region of precursor. <i>Protein Expression and Purification</i> , 2006, 47, 551-561.	0.6	52
3	Bacterial invasion of eukaryotic cells can be mediated by actin-hydrolysing metalloproteases grimeysin and protealysin. <i>Cell Biology International</i> , 2011, 35, 111-118.	1.4	40
4	Kinetic study of the HIV-1 DNA 3'-end processing. Single-turnover property of integrase. <i>FEBS Journal</i> , 2006, 273, 1137-1151.	2.2	39
5	Propeptides as modulators of functional activity of proteases. <i>Biomolecular Concepts</i> , 2010, 1, 305-322.	1.0	36
6	A novel secreted metzincin metalloproteinase from <i>Bacillus intermedius</i> . <i>FEBS Letters</i> , 2010, 584, 4419-4425.	1.3	33
7	Alterations in Gene Expression of Proprotein Convertases in Human Lung Cancer Have a Limited Number of Scenarios. <i>PLoS ONE</i> , 2013, 8, e55752.	1.1	32
8	Protease 3C of hepatitis A virus induces vacuolization of lysosomal/endosomal organelles and caspase-independent cell death. <i>BMC Cell Biology</i> , 2015, 16, 4.	3.0	32
9	<i>Bacillus intermedius</i> glutamyl endopeptidase. Molecular cloning and nucleotide sequence of the structural gene. <i>The Protein Journal</i> , 1999, 18, 21-27.	1.1	31
10	Effect of actin cytoskeleton disruption on electric pulse-induced apoptosis and electroporation in tumour cells. <i>Cell Biology International</i> , 2011, 35, 99-104.	1.4	30
11	Structural Organization of Precursors of Thermolysin-like Proteinases. <i>Protein Journal</i> , 2008, 27, 343-354.	0.7	27
12	Crystal Structure of the Protealysin Precursor. <i>Journal of Biological Chemistry</i> , 2010, 285, 2003-2013.	1.6	26
13	Probing for actinase activity of protealysin. <i>Biochemistry (Moscow)</i> , 2009, 74, 648-654.	0.7	25
14	Cloning, sequencing, expression, and characterization of thermostability of oligopeptidase B from <i>Serratia proteamaculans</i> , a novel psychrophilic protease. <i>Protein Expression and Purification</i> , 2014, 93, 63-76.	0.6	24
15	The expression of the serine proteinase gene of <i>Bacillus intermedius</i> in <i>Bacillus subtilis</i> . <i>Microbiological Research</i> , 2008, 163, 39-50.	2.5	19
16	Processing of protealysin precursor. <i>Biochimie</i> , 2009, 91, 639-645.	1.3	19
17	Filamentous actin is a substrate for protealysin, a metalloprotease of invasive <i>Serratia proteamaculans</i> . <i>FEBS Journal</i> , 2012, 279, 264-274.	2.2	19
18	Modification of substrate-binding site of glutamyl endopeptidase from <i>Bacillus intermedius</i> . <i>Protein Engineering, Design and Selection</i> , 2004, 17, 411-416.	1.0	16

#	ARTICLE	IF	CITATIONS
19	Psychrophilic trypsin-type protease from <i>Serratia proteamaculans</i> . <i>Biochemistry (Moscow)</i> , 2006, 71, 563-570.	0.7	14
20	A Novel Neutral Protease from <i>Thermoactinomyces</i> Species 27a: Sequencing of the Gene, Purification, and Characterization of the Enzyme. <i>Protein Journal</i> , 2004, 23, 483-492.	0.7	13
21	An Internally Quenched Fluorescent Peptide Substrate for Protealysin. <i>Scientific Reports</i> , 2019, 9, 14352.	1.6	12
22	Cleavage of the outer membrane protein OmpX by protealysin regulates <i>Serratia proteamaculans</i> invasion. <i>FEBS Letters</i> , 2020, 594, 3095-3107.	1.3	11
23	Individual Expression of Hepatitis A Virus 3C Protease Induces Ferroptosis in Human Cells In Vitro. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7906.	1.8	10
24	Hetero- and auto-activation of recombinant glutamyl endopeptidase from <i>Bacillus intermedius</i> . <i>Protein Engineering, Design and Selection</i> , 2008, 21, 653-658.	1.0	9
25	Oligopeptidase B from <i>Serratia proteamaculans</i> . I. Determination of primary structure, isolation, and purification of wild-type and recombinant enzyme variants. <i>Biochemistry (Moscow)</i> , 2009, 74, 1164-1172.	0.7	9
26	The expression of <i>Bacillus intermedius</i> glutamyl endopeptidase gene in <i>Bacillus subtilis</i> recombinant strains. <i>Molecular Biology Reports</i> , 2007, 34, 79-87.	1.0	8
27	Oligopeptidase B from <i>Serratia proteamaculans</i> . II. Enzymatic characteristics: Substrate analysis, influence of calcium ions, pH and temperature dependences. <i>Biochemistry (Moscow)</i> , 2011, 76, 480-490.	0.7	8
28	A cell population structuring model to estimate recombinant strain growth in a closed system for subsequent search of the mode to increase protein accumulation during protealysin producer cultivation. <i>Biofabrication</i> , 2011, 3, 045006.	3.7	7
29	Cytotoxic effect of co-expression of human hepatitis A virus 3C protease and bifunctional suicide protein FCU1 genes in a bicistronic vector. <i>Molecular Biology Reports</i> , 2017, 44, 323-332.	1.0	6
30	Evaluation of the toxic effects evoked by the transient expression of protease genes from human pathogens in HEK293 cells. <i>Applied Biochemistry and Microbiology</i> , 2013, 49, 750-755.	0.3	5
31	The protealysin operon encodes emfourin, a prototype of a novel family of protein metalloprotease inhibitors. <i>International Journal of Biological Macromolecules</i> , 2021, 169, 583-596.	3.6	5
32	Protealysin is not Secreted Constitutively. <i>Protein and Peptide Letters</i> , 2019, 26, 221-226.	0.4	5
33	Cathepsin D messenger RNA is downregulated in human lung cancer. <i>Biomarkers</i> , 2010, 15, 608-613.	0.9	4
34	Protealysin. , 2013, , 597-602.		4
35	Comparative evaluation of the transgene expression efficiency provided by the model genetic constructs of different structure. <i>Molecular Genetics, Microbiology and Virology</i> , 2016, 31, 156-162.	0.0	4
36	Đjarbohydrate binding module CBM28 of endoglucanase Cel5D from <i>Caldicellulosiruptor bescii</i> recognizes crystalline cellulose. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 305-311.	3.6	4

#	ARTICLE	IF	CITATIONS
37	SprI/SprR Quorum Sensing System of <i>Serratia proteamaculans</i> 94. <i>BioMed Research International</i> , 2019, 2019, 1-10.	0.9	4
38	Functional efficiency of PCR vectors in vitro and at the organism level. <i>PLoS ONE</i> , 2020, 15, e0232045.	1.1	4
39	Title is missing!. <i>Russian Journal of Bioorganic Chemistry</i> , 2003, 29, 418-425.	0.3	3
40	Human hepatitis A virus 3C protease exerts a cytostatic effect on <i>Saccharomyces cerevisiae</i> and affects the vacuolar compartment. <i>Biologia (Poland)</i> , 2021, 76, 321-327.	0.8	3
41	The Propeptide is Required for In Vivo Formation of Active Protealysin. <i>Protein and Peptide Letters</i> , 2015, 22, 509-513.	0.4	3
42	Crystallization and preliminary X-ray diffraction study of the protealysin precursor belonging to the peptidase family M4. <i>Crystallography Reports</i> , 2008, 53, 793-795.	0.1	2
43	Disturbed processing of the carbohydrate-binding module of family 54 significantly impairs its binding to polysaccharides. <i>FEBS Letters</i> , 2018, 592, 3414-3420.	1.3	2
44	NMR assignments and secondary structure distribution of emfourin, a novel proteinaceous protease inhibitor. <i>Biomolecular NMR Assignments</i> , 2021, 15, 361-366.	0.4	2
45	Embryotoxic activity of 3C protease of human hepatitis A virus in developing <i>Danio rerio</i> embryos. <i>Scientific Reports</i> , 2021, 11, 18196.	1.6	2
46	Involvement of Propeptides in Formation of Catalytically Active Metalloproteinase from <i>Thermoactinomyces</i> sp.. <i>Protein and Peptide Letters</i> , 2011, 18, 1119-1125.	0.4	1
47	Re-Examination of the Esophageal Squamous Cell Carcinoma Model in Rats Induced by N-Nitrososarcosine Ethyl Ester Precursors. <i>Bulletin of Experimental Biology and Medicine</i> , 2018, 164, 676-679.	0.3	1
48	In Vitro Assay for the Evaluation of Cytotoxic Effects Provided by a Combination of Suicide and Killer Genes in a Bicistronic Vector. <i>Methods in Molecular Biology</i> , 2019, 1895, 135-147.	0.4	0
49	The SARS-CoV-2 main protease doesn't induce cell death in human cells in vitro. <i>PLoS ONE</i> , 2022, 17, e0266015.	1.1	0