# Miklos Sahin-Toth

List of Publications by Year
in descending order



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|---|---|---|---|
| 152 papers | 7,403 citations | 46984 47 h-index | 62565 80 g-index |
| 160 all docs | 160 docs citations | 160 times ranked | 4446 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Chymotrypsin C (CTRC) variants that diminish activity or secretion are associated with chronic pancreatitis. Nature Genetics, 2008, 40, 78-82. | 9.4 | 369 |
| 2 | Cysâ€scanning mutagenesis: a novel approach to structureâ€”function relationships in polytopic membrane proteins. FASEB Journal, 1998, 12, 1281-1299. | 0.2 | 344 |
| 3 | The kamikaze approach to membrane transport. Nature Reviews Molecular Cell Biology, 2001, 2, 610-620. | 16.1 | 276 |
| 4 | Variants in CPA1 are strongly associated with early onset chronic pancreatitis. Nature Genetics, 2013, 45, 1216-1220. | 9.4 | 255 |
| 5 | A degradation-sensitive anionic trypsinogen (PRSS2) variant protects against chronic pancreatitis. Nature Genetics, 2006, 38, 668-673. | 9.4 | 220 |
| 6 | Prospective, Multicentre, Nationwide Clinical Data from 600 Cases of Acute Pancreatitis. PLoS ONE, 2016, 11, e0165309. | 1.1 | 191 |
| 7 | Genetics, Cell Biology, and Pathophysiology of Pancreatitis. Gastroenterology, 2019, 156, 1951-1968.e1. | 0.6 | 180 |
| 8 | Gain-of-Function Mutations Associated with Hereditary Pancreatitis Enhance Autoactivation of Human Cationic Trypsinogen. Biochemical and Biophysical Research Communications, 2000, 278, 286-289. | 1.0 | 176 |
| 9 | Alcohol Disrupts Levels and Function of the Cystic Fibrosis Transmembrane Conductance Regulator to Promote Development of Pancreatitis. Gastroenterology, 2015, 148, 427-439.e16. | 0.6 | 159 |
| 10 | Chymotrypsin C (caldecrin) promotes degradation of human cationic trypsin: Identity with Rinderknecht's enzyme Y. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 11227-11232. | 3.3 | 142 |
| 11 | Human Cationic Trypsinogen. Journal of Biological Chemistry, 2000, 275, 22750-22755. | 1.6 | 140 |
| 12 | Hereditary pancreatitis caused by mutation-induced misfolding of human cationic trypsinogen: A novel disease mechanism. Human Mutation, 2009, 30, 575-582. | 1.1 | 137 |
| 13 | Human Mesotrypsin Is a Unique Digestive Protease Specialized for the Degradation of Trypsin Inhibitors. Journal of Biological Chemistry, 2003, 278, 48580-48589. | 1.6 | 130 |
| 14 | Genetic Risk in Chronic Pancreatitis: The Trypsin-Dependent Pathway. Digestive Diseases and Sciences, 2017, 62, 1692-1701. | 1.1 | 129 |
| 15 | Autoantibodies Against the Exocrine Pancreas in Autoimmune Pancreatitis: Gene and Protein Expression Profiling and Immunoassays Identify Pancreatic Enzymes as a Major Target of the Inflammatory Process. American Journal of Gastroenterology, 2010, 105, 2060-2071. | 0.2 | 126 |
| 16 | Cysteine scanning mutagenesis of putative transmembrane helices IX and X in the lactose permease of Escherichia coli. Protein Science, 1993, 2, 1024-1033. | 3.1 | 112 |
| 17 | Presence of Cathepsin B in the Human Pancreatic Secretory Pathway and Its Role in Trypsinogen Activation during Hereditary Pancreatitis. Journal of Biological Chemistry, 2002, 277, 21389-21396. | 1.6 | 112 |
| 18 | Mutations of human cationic trypsinogen (PRSS1) and chronic pancreatitis. Human Mutation, 2006, 27, 721-730. | 1.1 | 110 |

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|---|---|---|---|
| 19 | Cathepsin L Inactivates Human Trypsinogen, Whereas Cathepsin L-Deletion Reduces the Severity of Pancreatitis in Mice. Gastroenterology, 2010, 138, 726-737. | 0.6 | 110 |
| 20 | Hereditary Pancreatitis Caused by a Novel PRSS1 Mutation (Arg-122 â†' Cys) That Alters Autoactivation and Autodegradation of Cationic Trypsinogen. Journal of Biological Chemistry, 2002, 277, 5404-5410. | 1.6 | 106 |
| 21 | Evolution of Trypsinogen Activation Peptides. Molecular Biology and Evolution, 2003, 20, 1767-1777. | 3.5 | 97 |
| 22 | Genome-wide association study identifies inversion in the CTRB1-CTRB2 locus to modify risk for alcoholic and non-alcoholic chronic pancreatitis. Gut, 2018, 67, 1855-1863. | 6.1 | 97 |
| 23 | Chymotrypsin C (Caldecrin) Stimulates Autoactivation of Human Cationic Trypsinogen. Journal of Biological Chemistry, 2006, 281, 11879-11886. | 1.6 | 89 |
| 24 | Comprehensive functional analysis of chymotrypsin C (CTRC) variants reveals distinct loss-of-function mechanisms associated with pancreatitis risk. Gut, 2013, 62, 1616-1624. | 6.1 | 89 |
| 25 | EPC/HPSG evidence-based guidelines for the management of pediatric pancreatitis. Pancreatology, 2018, 18, 146-160. | 0.5 | 89 |
| 26 | Human anionic trypsinogen. Properties of autocatalytic activation and degradation and implications in pancreatic diseases. FEBS Journal, 2003, 270, 2047-2058. | 0.2 | 84 |
| 27 | CFTR: A New Horizon in the Pathomechanism and Treatment of Pancreatitis. Reviews of Physiology, Biochemistry and Pharmacology, 2016, 170, 37-66. | 0.9 | 82 |
| 28 | Characterization of Glu126 and Arg144, Two Residues That Are Indispensable for Substrate Binding in the Lactose Permease of Escherichia coli. Biochemistry, 1999, 38, 813-819. | 1.2 | 81 |
| 29 | Trypsin Reduces Pancreatic Ductal Bicarbonate Secretion by Inhibiting CFTR Clâ^' Channels and Luminal Anion Exchangers. Gastroenterology, 2011, 141, 2228-2239.e6. | 0.6 | 77 |
| 30 | Increased Activation of Hereditary Pancreatitis-associated Human Cationic Trypsinogen Mutants in Presence of Chymotrypsin C. Journal of Biological Chemistry, 2012, 287, 20701-20710. | 1.6 | 77 |
| 31 | Genetic risk in chronic pancreatitis. Current Opinion in Gastroenterology, 2017, 33, 390-395. | 1.0 | 74 |
| 32 | Missense mutations in pancreatic secretory trypsin inhibitor (SPINK1) cause intracellular retention and degradation. Gut, 2007, 56, 1433-1438. | 6.1 | 71 |
| 33 | Pancreatitis-associated chymotrypsinogen C (CTRC) mutant elicits endoplasmic reticulum stress in pancreatic acinar cells. Gut, 2010, 59, 365-372. | 6.1 | 69 |
| 34 | Signal peptide variants that impair secretion of pancreatic secretory trypsin inhibitor (SPINK1) cause autosomal dominant hereditary pancreatitis. Human Mutation, 2007, 28, 469-476. | 1.1 | 68 |
| 35 | Human cationic trypsinogen (PRSS1) variants and chronic pancreatitis. American Journal of Physiology - Renal Physiology, 2014, 306, G466-G473. | 1.6 | 68 |
| 36 | Functional effects of 13 rarePRSS1variants presumed to cause chronic pancreatitis. Gut, 2014, 63, 337-343. | 6.1 | 66 |

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|---|---|---|---|
| 37 | Chymotrypsin C mutations in chronic pancreatitis. Journal of Gastroenterology and Hepatology (Australia), 2011, 26, 1238-1246. | 1.4 | 65 |
| 38 | Arg-302 facilitates deprotonation of Glu-325 in the transport mechanism of the lactose permease from Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 6068-6073. | 3.3 | 61 |
| 39 | Minigene analysis of intronic variants in common SPINK1 haplotypes associated with chronic pancreatitis. Gut, 2009, 58, 545-549. | 6.1 | 61 |
| 40 | Human Cationic Trypsinogen. Journal of Biological Chemistry, 2002, 277, 6111-6117. | 1.6 | 60 |
| 41 | Role of glutamate-269 in the lactose permease ofEscherichia coli. Molecular Membrane Biology, 1994, 11, 9-16. | 2.0 | 55 |
| 42 | Interaction between trypsinogen isoforms in genetically determined pancreatitis: Mutation E79K in cationic trypsin (PRSS1) causes increased transactivation of anionic trypsinogen (PRSS2). Human Mutation, 2004, 23, 22-31. | 1.1 | 55 |
| 43 | A preclinical model of chronic pancreatitis driven by trypsinogen autoactivation. Nature Communications, 2018, 9, 5033. | 5.8 | 55 |
| 44 | Lipotoxicity and Cytokine Storm in Severe Acute Pancreatitis and COVID-19. Gastroenterology, 2020, 159, 824-827. | 0.6 | 55 |
| 45 | Human CPA1 mutation causes digestive enzyme misfolding and chronic pancreatitis in mice. Gut, 2019, 68, 301-312. | 6.1 | 54 |
| 46 | Human Mesotrypsin Defies Natural Trypsin Inhibitors: From Passive Resistance to Active Destruction.. Protein and Peptide Letters, 2005, 12, 457-464. | 0.4 | 50 |
| 47 | Trypsinogen Stabilization by Mutation Arg117â†'His: A Unifying Pathomechanism for Hereditary Pancreatitis?. Biochemical and Biophysical Research Communications, 1999, 264, 505-508. | 1.0 | 49 |
| 48 | Ligand Recognition by the Lactose Permease of Escherichia coli:â€‰Specificity and Affinity Are Defined by Distinct Structural Elements of Galactopyranosides. Biochemistry, 2000, 39, 5097-5103. | 1.2 | 48 |
| 49 | Activity of recombinant trypsin isoforms on human proteinase-activated receptors (PAR): mesotrypsin cannot activate epithelial PAR-1, -2, but weakly activates brain PAR-1. British Journal of Pharmacology, 2005, 146, 990-999. | 2.7 | 48 |
| 50 | Gene conversion cetween functional trypsinogen genesPRSS1andPRSS2associated with chronic pancreatitis in a six-year-old girl. Human Mutation, 2005, 25, 343-347. | 1.1 | 48 |
| 51 | The Tetra-aspartate Motif in the Activation Peptide of Human Cationic Trypsinogen Is Essential for Autoactivation Control but Not for Enteropeptidase Recognition. Journal of Biological Chemistry, 2005, 280, 29645-29652. | 1.6 | 48 |
| 52 | Protease-Sensitive Pancreatic Lipase Variants Are Associated With Early Onset Chronic Pancreatitis. American Journal of Gastroenterology, 2019, 114, 974-983. | 0.2 | 48 |
| 53 | Intracellular Autoactivation of Human Cationic Trypsinogen Mutants Causes Reduced Trypsinogen Secretion and Acinar Cell Death. Journal of Biological Chemistry, 2009, 284, 33392-33399. | 1.6 | 47 |
| 54 | Affinity Purification of Recombinant Trypsinogen Using Immobilized Ecotin. Protein Expression and Purification, 1998, 12, 291-294. | 0.6 | 44 |

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|---|---|---|---|
| 55 | Hereditary Pancreatitis-associated Mutation Asn21 â†' Ile Stabilizes Rat Trypsinogen in Vitro. Journal of Biological Chemistry, 1999, 274, 29699-29704. | 1.6 | 42 |
| 56 | The C-4 Hydroxyl Group of Galactopyranosides Is the Major Determinant for Ligand Recognition by the Lactose Permease ofEscherichia coliâ€. Biochemistry, 2001, 40, 13015-13019. | 1.2 | 42 |
| 57 | Determinants of chymotrypsinÂ<scp>C</scp> cleavage specificity in the calciumâ€binding loop of human cationic trypsinogen. FEBS Journal, 2012, 279, 4283-4292. | 2.2 | 42 |
| 58 | International Consensus Guidelines for Risk Factors in Chronic Pancreatitis. Recommendations from the working group for the international consensus guidelines for chronic pancreatitis in collaboration with the International Association of Pancreatology, the American Pancreatic Association, the Japan Pancreas Society, and European Pancreatic Club. Pancreatology, 2020, 20, 579-585. | 0.5 | 40 |
| 59 | Pancreatitis-Associated Genes and Pancreatic Cancer Risk. Pancreas, 2018, 47, 1078-1086. | 0.5 | 39 |
| 60 | Biochemical Models of Hereditary Pancreatitis. Endocrinology and Metabolism Clinics of North America, 2006, 35, 303-312. | 1.2 | 34 |
| 61 | Mesotrypsin, a brain trypsin, activates selectively proteinase-activated receptor-1, but not proteinase-activated receptor-2, in rat astrocytes. Journal of Neurochemistry, 2006, 99, 759-769. | 2.1 | 33 |
| 62 | Mutation That Promotes Activation of Trypsinogen Increases Severity of Secretagogue-Induced Pancreatitis in Mice. Gastroenterology, 2020, 158, 1083-1094. | 0.6 | 33 |
| 63 | Cysteine scanning mutagenesis of the Nâ€terminal 32 amino acid residues in the lactose permease of Escherichia coli. Protein Science, 1994, 3, 240-247. | 3.1 | 32 |
| 64 | Expression of human cationic trypsinogen with an authentic N terminus using intein-mediated splicing in aminopeptidase P deficient Escherichia coli. Protein Expression and Purification, 2006, 48, 104-111. | 0.6 | 32 |
| 65 | Long-range Electrostatic Complementarity Governs Substrate Recognition by Human Chymotrypsin C, a Key Regulator of Digestive Enzyme Activation. Journal of Biological Chemistry, 2013, 288, 9848-9859. | 1.6 | 32 |
| 66 | Changing the lactose permease of Escherichia coli into a galactose-specific symporter. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 6613-6618. | 3.3 | 31 |
| 67 | Chymotrypsin C Is a Co-activator of Human Pancreatic Procarboxypeptidases A1 and A2. Journal of Biological Chemistry, 2011, 286, 1819-1827. | 1.6 | 31 |
| 68 | Binding of Hydrophobic d-Galactopyranosides to the Lactose Permease of Escherichia coli. Biochemistry, 2002, 41, 13039-13045. | 1.2 | 30 |
| 69 | High Affinity Small Protein Inhibitors of Human Chymotrypsin C (CTRC) Selected by Phage Display Reveal Unusual Preference for P4â€² Acidic Residues. Journal of Biological Chemistry, 2011, 286, 22535-22545. | 1.6 | 30 |
| 70 | High versus low energy administration in the early phase of acute pancreatitis (GOULASH trial): protocol of a multicentre randomised double-blind clinical trial. BMJ Open, 2017, 7, e015874. | 0.8 | 30 |
| 71 | Chymotrypsin Reduces the Severity of Secretagogue-Induced Pancreatitis in Mice. Gastroenterology, 2018, 155, 1017-1021. | 0.6 | 30 |
| 72 | A novel mutation in PNLIP causes pancreatic triglyceride lipase deficiency through protein misfolding. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2015, 1852, 1372-1379. | 1.8 | 29 |

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| 73 | Autoactivation of Mouse Trypsinogens Is Regulated by Chymotrypsin C via Cleavage of the Autolysis Loop. Journal of Biological Chemistry, 2013, 288, 24049-24062. | 1.6 | 28 |
| 74 | Complex Formation of Human Proelastases with Procarboxypeptidases A1 and A2. Journal of Biological Chemistry, 2016, 291, 17706-17716. | 1.6 | 28 |
| 75 | Expression of Recombinant Proteins with Uniform N-Termini. Methods in Molecular Biology, 2011, 705, 175-194. | 0.4 | 27 |
| 76 | Proteolytic activation of human pancreatitis-associated protein is required for peptidoglycan binding and bacterial aggregation. Biochemical Journal, 2009, 420, 335-344. | 1.7 | 26 |
| 77 | Smoking and Drinking Synergize in Pancreatitis: Multiple Hits on Multiple Targets. Gastroenterology, 2017, 153, 1479-1481. | 0.6 | 25 |
| 78 | Human mesotrypsin exhibits restricted S1' subsite specificity with a strong preference for small polar side chains. FEBS Journal, 2006, 273, 2942-2954. | 2.2 | 24 |
| 79 | Human cationic trypsinogen is sulfated on Tyr154. FEBS Journal, 2006, 273, 5044-5050. | 2.2 | 24 |
| 80 | Pathogenic cellular role of the p.L104P human cationic trypsinogen variant in chronic pancreatitis. American Journal of Physiology - Renal Physiology, 2016, 310, G477-G486. | 1.6 | 24 |
| 81 | A novel p.Ser282ProCPA1variant is associated with autosomal dominant hereditary pancreatitis. Gut, 2017, 66, 1728-1730. | 6.1 | 23 |
| 82 | CELA2A mutations predispose to early-onset atherosclerosis and metabolic syndrome and affect plasma insulin and platelet activation. Nature Genetics, 2019, 51, 1233-1243. | 9.4 | 23 |
| 83 | Chronic pancreatitis: Multicentre prospective data collection and analysis by the Hungarian Pancreatic Study Group. PLoS ONE, 2017, 12, e0171420. | 1.1 | 23 |
| 84 | Serine protease inhibitor Kazal type 1 (SPINK1) drives proliferation and anoikis resistance in a subset of ovarian cancers. Oncotarget, 2015, 6, 35737-35754. | 0.8 | 23 |
| 85 | Misfolding cationic trypsinogen variant p.L104P causes hereditary pancreatitis. Gut, 2017, 66, 1727-1728. | 6.1 | 22 |
| 86 | The role of transmembrane domain III in the lactose permease of escherichia coli. Protein Science, 1994, 3, 2302-2310. | 3.1 | 21 |
| 87 | Inactivity of Recombinant ELA2B Provides a New Example of Evolutionary Elastase Silencing in Humans. Pancreatology, 2006, 6, 117-122. | 0.5 | 21 |
| 88 | Uncertainties in the classification of human cationic trypsinogen (PRSS1) variants as hereditary pancreatitis-associated mutations. Journal of Medical Genetics, 2010, 47, 348-350. | 1.5 | 21 |
| 89 | Intragenic Duplication. Pancreas, 2011, 40, 540-546. | 0.5 | 21 |
| 90 | Robust autoactivation, chymotrypsinÂC independence and diminished secretion define a subset of hereditary pancreatitisâ€associated cationic trypsinogen mutants. FEBS Journal, 2013, 280, 2888-2899. | 2.2 | 21 |

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| 91 | The Pathobiochemistry of Hereditary Pancreatitis: Studies on Recombinant Human Cationic Trypsinogen. Pancreatology, 2001, 1, 461-465. | 0.5 | 20 |
| 92 | Mesotrypsin Signature Mutation in a Chymotrypsin C (CTRC) Variant Associated with Chronic Pancreatitis. Journal of Biological Chemistry, 2015, 290, 17282-17292. | 1.6 | 20 |
| 93 | Variants in pancreatic carboxypeptidase genesCPA2andCPB1are not associated with chronic pancreatitis. American Journal of Physiology - Renal Physiology, 2015, 309, G688-G694. | 1.6 | 19 |
| 94 | Gene Conversion Between Cationic Trypsinogen (PRSS1 ) and the Pseudogene Trypsinogen 6 (PRSS3P2 ) in Patients with Chronic Pancreatitis. Human Mutation, 2015, 36, 350-356. | 1.1 | 19 |
| 95 | No significant enrichment of rare functionally defective CPA1 variants in a large Chinese idiopathic chronic pancreatitis cohort. Human Mutation, 2017, 38, 959-963. | 1.1 | 19 |
| 96 | Asparagineâ€linked glycosylation of human chymotrypsin C is required for folding and secretion but not for enzyme activity. FEBS Journal, 2011, 278, 4338-4350. | 2.2 | 18 |
| 97 | Genetic and biochemical characterization of the E32del polymorphism in human mesotrypsinogen. Pancreatology, 2005, 5, 273-278. | 0.5 | 16 |
| 98 | Detection of human elastase isoforms by the ScheBo Pancreatic Elastase 1 Test. American Journal of Physiology - Renal Physiology, 2017, 312, G606-G614. | 1.6 | 15 |
| 99 | Defective binding of SPINK1 variants is an uncommon mechanism for impaired trypsin inhibition in chronic pancreatitis. Journal of Biological Chemistry, 2021, 296, 100343. | 1.6 | 15 |
| 100 | High-Affinity Ca2+ Binding Inhibits Autoactivation of Rat Trypsinogen. Biochemical and Biophysical Research Communications, 2000, 275, 668-671. | 1.0 | 13 |
| 101 | Functional Conservation in the Putative Substrate Binding Site of the Sucrose Permease from Escherichia coli. Biochemistry, 2000, 39, 6170-6175. | 1.2 | 13 |
| 102 | Probing the Mechanism of a Membrane Transport Protein with Affinity Inactivators. Journal of Biological Chemistry, 2003, 278, 10641-10648. | 1.6 | 13 |
| 103 | Genetic Analysis of Human Chymotrypsin-Like Elastases 3A and 3B (CELA3A and CELA3B) to Assess the Role of Complex Formation between Proelastases and Procarboxypeptidases in Chronic Pancreatitis. International Journal of Molecular Sciences, 2016, 17, 2148. | 1.8 | 13 |
| 104 | The common truncation variant in pancreatic lipase related protein 2 (PNLIPRP2) is expressed poorly and does not alter risk for chronic pancreatitis. PLoS ONE, 2018, 13, e0206869. | 1.1 | 13 |
| 105 | Channelopathy of the Pancreas Causes Chronic Pancreatitis. Gastroenterology, 2020, 158, 1538-1540. | 0.6 | 13 |
| 106 | Ethanol feeding accelerates pancreatitis progression in CPA1 N256K mutant mice. American Journal of Physiology - Renal Physiology, 2020, 318, G694-G704. | 1.6 | 13 |
| 107 | Natural single-nucleotide deletion in chymotrypsinogen C gene increases severity of secretagogue-induced pancreatitis in C57BL/6 mice. JCI Insight, 2019, 4, e129717. | 2.3 | 13 |
| 108 | Tighter Control by Chymotrypsin C (CTRC) Explains Lack of Association between Human Anionic Trypsinogen and Hereditary Pancreatitis. Journal of Biological Chemistry, 2016, 291, 12897-12905. | 1.6 | 12 |

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|---|---|---|---|
| 109 | Overlapping Specificity of Duplicated Human Pancreatic Elastase 3 Isoforms and Archetypal Porcine Elastase 1 Provides Clues to Evolution of Digestive Enzymes. Journal of Biological Chemistry, 2017, 292, 2690-2702. | 1.6 | 12 |
| 110 | A common African polymorphism abolishes tyrosine sulfation of human anionic trypsinogen (PRSS2). Biochemical Journal, 2009, 418, 155-161. | 1.7 | 11 |
| 111 | Exonic variants affecting pre-mRNA splicing add to genetic burden in chronic pancreatitis. Gut, 2014, 63, 860-861. | 6.1 | 11 |
| 112 | Tyrosine Sulfation of Human Trypsin Steers S2â€™ Subsite Selectivity towards Basic Amino Acids. PLoS ONE, 2014, 9, e102063. | 1.1 | 10 |
| 113 | Functional significance of SPINK1 promoter variants in chronic pancreatitis. American Journal of Physiology - Renal Physiology, 2015, 308, G779-G784. | 1.6 | 10 |
| 114 | SPINK1 Promoter Variants in Chronic Pancreatitis. Pancreas, 2016, 45, 148-153. | 0.5 | 10 |
| 115 | Loss of chymotrypsin-like protease (CTRL) alters intrapancreatic protease activation but not pancreatitis severity in mice. Scientific Reports, 2020, 10, 11731. | 1.6 | 10 |
| 116 | Alcohol-dependent effect of PRSS1-PRSS2 haplotype in chronic pancreatitis. Gut, 2020, 69, 1713-1715. | 6.1 | 10 |
| 117 | Complete Analysis of the Human Mesotrypsinogen Gene (PRSS3) in Patients with Chronic Pancreatitis. Pancreatology, 2010, 10, 243-249. | 0.5 | 9 |
| 118 | Zymogen Activation Confers Thermodynamic Stability on a Key Peptide Bond and Protects Human Cationic Trypsin from Degradation. Journal of Biological Chemistry, 2014, 289, 4753-4761. | 1.6 | 9 |
| 119 | Pancreatic Cancer Cell Lines Heterozygous for the SPINK1 p.N34S Haplotype Exhibit Diminished Expression of the Variant Allele. Pancreas, 2017, 46, e54-e55. | 0.5 | 9 |
| 120 | Inactivation of mesotrypsin by chymotrypsin C prevents trypsin inhibitor degradation. Journal of Biological Chemistry, 2020, 295, 3447-3455. | 1.6 | 9 |
| 121 | Measuring digestive protease activation in the mouse pancreas. Pancreatology, 2020, 20, 288-292. | 0.5 | 8 |
| 122 | Loss-of-function variant in chymotrypsin like elastase 3B (CELA3B) is associated with non-alcoholic chronic pancreatitis. Pancreatology, 2022, 22, 713-718. | 0.5 | 8 |
| 123 | The Guinea Pig Pancreas Secretes a Single Trypsinogen Isoform, Which Is Defective in Autoactivation. Pancreas, 2008, 37, 182-188. | 0.5 | 7 |
| 124 | Genetic analysis of the bicarbonate secreting anion exchanger SLC26A6 in chronic pancreatitis. Pancreatology, 2015, 15, 508-513. | 0.5 | 7 |
| 125 | Novel PRSS1 Mutation p.P17T Validates Pathogenic Relevance of CTRC-Mediated Processing of the Trypsinogen Activation Peptide in Chronic Pancreatitis. American Journal of Gastroenterology, 2017, 112, 1896-1898. | 0.2 | 7 |
| 126 | Engineering mouse cationic trypsinogen for rapid and selective activation by cathepsin B. Scientific Reports, 2019, 9, 9188. | 1.6 | 7 |

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|---|---|---|---|
| 127 | Novel Pathogenic PRSS1 Variant p.Glu190Lys in a Case of Chronic Pancreatitis. Frontiers in Genetics, 2019, 10, 46. | 1.1 | 7 |
| 128 | Sentinel Acute Pancreatitis Event Increases Severity of Subsequent Episodes in Mice. Gastroenterology, 2021, 161, 1692-1694. | 0.6 | 7 |
| 129 | Rate of Autoactivation Determines Pancreatitis Phenotype in Trypsinogen Mutant Mice. Gastroenterology, 2022, 163, 761-763. | 0.6 | 6 |
| 130 | Observational longitudinal multicentre investigation of acute pancreatitis (GOULASH PLUS): follow-up of the GOULASH study, protocol. BMJ Open, 2019, 9, e025500. | 0.8 | 5 |
| 131 | Common calcium-sensing receptor (CASR) gene variants do not modify risk for chronic pancreatitis in a Hungarian cohort. Pancreatology, 2021, 21, 1305-1310. | 0.5 | 5 |
| 132 | Misfolding-induced chronic pancreatitis in CPA1 N256K mutant mice is unaffected by global deletion of Ddit3/Chop. Scientific Reports, 2022, 12, 6357. | 1.6 | 5 |
| 133 | Partial and complete SPINK1 deficiency cause distinct pancreatic phenotypes. Human Mutation, 2017, 38, 1619-1619. | 1.1 | 4 |
| 134 | Chronic progression of cerulein-induced acute pancreatitis in trypsinogen mutant mice. Pancreatology, 2022, 22, 248-257. | 0.5 | 4 |
| 135 | Variants in the pancreatic CUB and zona pellucida-like domains 1 (CUZD1) gene in early-onset chronic pancreatitis - A possible new susceptibility gene. Pancreatology, 2022, 22, 564-571. | 0.5 | 4 |
| 136 | Variations in trypsinogen expression may influence the protective effect of the p.G191R PRSS2 variant in chronic pancreatitis. Gut, 2009, 58, 749-750. | 6.1 | 3 |
| 137 | LIFEStyle, Prevention and Risk of Acute PaNcreatitis (LIFESPAN): protocol of a multicentre and multinational observational caseâ€“control study. BMJ Open, 2020, 10, e029660. | 0.8 | 3 |
| 138 | Mouse model suggests limited role for human mesotrypsin in pancreatitis. Pancreatology, 2021, 21, 342-352. | 0.5 | 3 |
| 139 | Risk of chronic pancreatitis in carriers of loss-of-function CTRC variants: A meta-analysis. PLoS ONE, 2022, 17, e0268859. | 1.1 | 3 |
| 140 | Sequence Analysis of the Human Tyrosylprotein Sulfotransferase-2 Gene in Subjects with Chronic Pancreatitis. Pancreatology, 2010, 10, 165-172. | 0.5 | 2 |
| 141 | Trypsinogen isoforms in the ferret pancreas. Scientific Reports, 2018, 8, 15094. | 1.6 | 2 |
| 142 | Evolutionary expansion of polyaspartate motif in the activation peptide of mouse cationic trypsinogen limits autoactivation and protects against pancreatitis. American Journal of Physiology - Renal Physiology, 2021, 321, G719-G734. | 1.6 | 2 |
| 143 | Endoscopic sphincterotoMy for delayIng choLecystectomy in mild acute biliarY pancreatitis (EMILY) Tj ETQq1 1 0.784314 rgBT /Overlo | 0.8 | 2 |
| 144 | Modelling chronic pancreatitis as a complex genetic disease in mice. Gut, 2022, , gutjnl-2022-327601. | 6.1 | 1 |

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|---|---|---|---|
| 145 | Hereditary Pancreatitisâ€"25 Years of an Evolving Paradigm. Pancreas, 2022, 51, 297-301. | 0.5 | 1 |
| 146 | Trypsinogen hL is not a New Member of the Human Trypsinogen Family, but a Known Mouse Ortholog. Biological and Pharmaceutical Bulletin, 2003, 26, 909. | 0.6 | 0 |
| 147 | Addressable enzymes as protein therapeutics. Expert Opinion on Therapeutic Patents, 2006, 16, 719-721. | 2.4 | 0 |
| 148 | Minutes of the Business Meeting of the American Pancreatic Association, Friday, November 6, 2015, San Diego, California. Pancreas, 2016, 45, 1376-1377. | 0.5 | 0 |
| 149 | A Common CCK-B Receptor Intronic Variant in Pancreatic Adenocarcinoma in a Hungarian Cohort. Pancreas, 2016, 45, 541-545. | 0.5 | 0 |
| 150 | Minutes of the Business Meeting of the American Pancreatic Association, Friday, October 28, 2016, Boston, Massachusetts. Pancreas, 2017, 46, 1237-1237. | 0.5 | 0 |
| 151 | Novel chymotrypsin C (CTRC) variant c.173C>T (p.T58M) in a case of late onset recurrent acute pancreatitis. Pancreatology, 2018, 18, S37-S38. | 0.5 | 0 |
| 152 | Hereditary pancreatitis-associated mutation Asn21 â†' Ile stabilizes rat trypsinogen in vitro.. Journal of Biological Chemistry, 2000, 275, 14004. | 1.6 | 0 |