Anna S Gukovskaya

List of Publications by Year
in descending order

60 papers	8,695 citations	76326 40 h-index	123424 61 g-index
61 all docs	61 docs citations	61 times ranked	13878 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
2	Reactive Oxygen Species Produced by NAD(P)H Oxidase Inhibit Apoptosis in Pancreatic Cancer Cells. Journal of Biological Chemistry, 2004, 279, 34643-34654.	3.4	321
3	Food-derived polyphenols inhibit pancreatic cancer growth through mitochondrial cytochrome C release and apoptosis. International Journal of Cancer, 2002, 98, 761-769.	5.1	264
4	Cell Death in Pancreatitis. Journal of Biological Chemistry, 2006, 281, 3370-3381.	3.4	246
5	Neutrophils and NADPH oxidase mediate intrapancreatic trypsin activation in murine experimental acute pancreatitis. Gastroenterology, 2002, 122, 974-984.	1.3	243
6	Mitochondrial Dysfunction, Through Impaired Autophagy, Leads to Endoplasmic Reticulum Stress, Deregulated Lipid Metabolism, and Pancreatitis in Animal Models. Gastroenterology, 2018, 154, 689-703.	1.3	237
7	Early NF-Î°B activation is associated with hormone-induced pancreatitis. American Journal of Physiology - Renal Physiology, 1998, 275, G1402-G1414.	3.4	225
8	Impaired autophagic flux mediates acinar cell vacuole formation and trypsinogen activation in rodent models of acute pancreatitis. Journal of Clinical Investigation, 2009, 119, 3340-55.	8.2	221
9	Autophagy, Inflammation, and Immune Dysfunction in the Pathogenesis of Pancreatitis. Gastroenterology, 2017, 153, 1212-1226.	1.3	213
10	Ethanol diet increases the sensitivity of rats to pancreatitis induced by cholecystokinin octapeptide. Gastroenterology, 1999, 117, 706-716.	1.3	209
11	Ethanol metabolism and transcription factor activation in pancreatic acinar cells in rats. Gastroenterology, 2002, 122, 106-118.	1.3	174
12	Cathepsin B-Mediated Activation of Trypsinogen in Endocytosing Macrophages Increases Severity of Pancreatitis in Mice. Gastroenterology, 2018, 154, 704-718.e10.	1.3	168
13	Mechanism of mitochondrial permeability transition pore induction and damage in the pancreas: inhibition prevents acute pancreatitis by protecting production of ATP. Gut, 2016, 65, 1333-1346.	12.1	159
14	NADPH Oxidase Promotes Pancreatic Cancer Cell Survival via Inhibiting JAK2 Dephosphorylation by Tyrosine Phosphatases. Gastroenterology, 2007, 133, 1637-1648.	1.3	151
15	Cell death pathways in pancreatitis and pancreatic cancer. Pancreatology, 2004, 4, 567-586.	1.1	138
16	Localized pancreatic NF-Î°B activation and inflammatory response in taurocholate-induced pancreatitis. American Journal of Physiology - Renal Physiology, 2001, 280, G1197-G1208.	3.4	135
17	Acute Pancreatitis: A Multifaceted Set of Organelle and CellularÂInteractions. Gastroenterology, 2019, 156, 1941-1950.	1.3	134
18	Activation of pancreatic acinar cells on isolation from tissue: cytokine upregulation via p38 MAP kinase. American Journal of Physiology - Cell Physiology, 2000, 279, C1993-C2003.	4.6	127

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19	Extracellular matrix stimulates reactive oxygen species production and increases pancreatic cancer cell survival through 5-lipoxygenase and NADPH oxidase. American Journal of Physiology - Renal Physiology, 2005, 289, G1137-G1147.	3.4	127
20	Cholecystokinin Induces Caspase Activation and Mitochondrial Dysfunction in Pancreatic Acinar Cells. Journal of Biological Chemistry, 2002, 277, 22595-22604.	3.4	124
21	Ellagic acid induces apoptosis through inhibition of nuclear factor kB in pancreatic cancer cells. World Journal of Gastroenterology, 2008, 14, 3672.	3.3	124
22	Autophagy and pancreatitis. American Journal of Physiology - Renal Physiology, 2012, 303, G993-G1003.	3.4	112
23	Incidence of pancreatic cancer is dramatically increased by a high fat, high calorie diet in KrasG12D mice. PLoS ONE, 2017, 12, e0184455.	2.5	107
24	Loss of acinar cell IKKÎ± triggers spontaneous pancreatitis in mice. Journal of Clinical Investigation, 2013, 123, 2231-2243.	8.2	103
25	Effects of Oxidative Alcohol Metabolism on the Mitochondrial Permeability Transition Pore and Necrosis in a Mouse Model of Alcoholic Pancreatitis. Gastroenterology, 2013, 144, 437-446.e6.	1.3	98
26	Lysosome-Associated Membrane Proteins (LAMP) Maintain Pancreatic Acinar Cell Homeostasis: LAMP-2â€“Deficient Mice Develop Pancreatitis. Cellular and Molecular Gastroenterology and Hepatology, 2015, 1, 678-694.	4.5	95
27	Impaired autophagy and organellar dysfunction in pancreatitis. Journal of Gastroenterology and Hepatology (Australia), 2012, 27, 27-32.	2.8	84
28	The Phosphatase PHLPP1 Regulates Akt2, Promotes Pancreatic Cancer Cell Death, and Inhibits Tumor Formation. Gastroenterology, 2012, 142, 377-387.e5.	1.3	81
29	Phosphatidylinositide 3-kinase Î³ regulates key pathologic responses to cholecystokinin in pancreatic acinar cells. Gastroenterology, 2004, 126, 554-566.	1.3	79
30	Extracellular matrix proteins protect pancreatic cancer cells from death via mitochondrial and nonmitochondrial pathways. Gastroenterology, 2003, 125, 1188-1202.	1.3	75
31	Human Pancreatic Acinar Cells. American Journal of Pathology, 2017, 187, 2726-2743.	3.8	69
32	Prosurvival Bcl-2 proteins stabilize pancreatic mitochondria and protect against necrosis in experimental pancreatitis. Experimental Cell Research, 2009, 315, 1975-1989.	2.6	68
33	Organellar Dysfunction in the Pathogenesis of Pancreatitis. Antioxidants and Redox Signaling, 2011, 15, 2699-2710.	5.4	67
34	Prevention of Metastatic Pancreatic Cancer Growth in vivo by Induction of Apoptosis with Genistein, a Naturally Occurring Isoflavonoid. Pancreas, 2003, 26, 264-273.	1.1	63
35	The burning question: Why is smoking a risk factor for pancreatic cancer?. Pancreatology, 2012, 12, 344-349.	1.1	56
36	New insights into the pathways initiating and driving pancreatitis. Current Opinion in Gastroenterology, 2016, 32, 429-435.	2.3	55

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37	NADPH Oxidase Activation in Pancreatic Cancer Cells Is Mediated through Akt-dependent Up-regulation of p22. Journal of Biological Chemistry, 2011, 286, 7779-7787.	3.4	53
38	Investigating the Pathobiology of Alcoholic Pancreatitis. Alcoholism: Clinical and Experimental Research, 2011, 35, 830-837.	2.4	50
39	Pancreas Recovery Following Cerulein-Induced Pancreatitis Is Impaired in Plasminogen-Deficient Mice. Gastroenterology, 2006, 131, 885-899.	1.3	48
40	Recent Insights Into the Pathogenic Mechanism of Pancreatitis. Pancreas, 2019, 48, 459-470.	1.1	46
41	Transgenic expression of GFP-LC3 perturbs autophagy in exocrine pancreas and acute pancreatitis responses in mice. Autophagy, 2020, 16, 2084-2097.	9.1	45
42	Which Way to Die: the Regulation of Acinar Cell Death in Pancreatitis by Mitochondria, Calcium, and Reactive Oxygen Species. Gastroenterology, 2011, 140, 1876-1880.	1.3	40
43	Ethanol Feeding Alters Death Signaling in the Pancreas. Pancreas, 2006, 32, 351-359.	1.1	36
44	Cell death in pancreatitis: Effects of alcohol. Journal of Gastroenterology and Hepatology (Australia), 2006, 21, S10-3.	2.8	36
45	Insulin-like Growth Factor-I Receptor Mediates the Prosurvival Effect of Fibronectin. Journal of Biological Chemistry, 2007, 282, 26646-26655.	3.4	35
46	Rottlerin stimulates apoptosis in pancreatic cancer cells through interactions with proteins of the Bcl-2 family. American Journal of Physiology - Renal Physiology, 2010, 298, G63-G73.	3.4	35
47	Impaired Autophagy Triggers Chronic Pancreatitis: Lessons From Pancreas-Specific Atg5 Knockout Mice. Gastroenterology, 2015, 148, 501-505.	1.3	33
48	Mitochondrial mechanisms of death responses in pancreatitis. Journal of Gastroenterology and Hepatology (Australia), 2008, 23, S25-S30.	2.8	32
49	Inflammatory cells regulate p53 and caspases in acute pancreatitis. American Journal of Physiology - Renal Physiology, 2010, 298, G92-G100.	3.4	24
50	Inhibitors of Bcl-2 protein family deplete ER Ca2+ stores in pancreatic acinar cells. Pflugers Archiv European Journal of Physiology, 2010, 460, 891-900.	2.8	19
51	Akt Kinase Mediates the Prosurvival Effect of Smoking Compounds in Pancreatic Ductal Cells. Pancreas, 2013, 42, 655-662.	1.1	16
52	Acute acinar pancreatitis blocks vesicle-associated membrane protein 8 (VAMP8)-dependent secretion, resulting in intracellular trypsin accumulation. Journal of Biological Chemistry, 2017, 292, 7828-7839.	3.4	16
53	Early trypsin activation develops independently of autophagy in caerulein-induced pancreatitis in mice. Cellular and Molecular Life Sciences, 2020, 77, 1811-1825.	5.4	13
54	Novel method to rescue a lethal phenotype through integration of target gene onto the X-chromosome. Scientific Reports, 2016, 6, 37200.	3.3	11

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55	Analysis of N- and O-Glycosylation of Lysosomal Glycoproteins. Methods in Molecular Biology, 2017, 1594, 35-42.	0.9	9
56	Dysregulation of mannose-6-phosphateâ€"dependent cholesterol homeostasis in acinar cells mediates pancreatitis. Journal of Clinical Investigation, 2021, 131, .	8.2	9
57	Endoplasmic reticulum Ca²⁺-ATPase inhibitors stimulate membrane guanylate cyclase in pancreatic acinar cells. American Journal of Physiology - Cell Physiology, 2000, 278, C363-C371.	4.6	5
58	Rab9 Mediates Pancreatic Autophagy Switch From Canonical to Noncanonical, Aggravating Experimental Pancreatitis. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 599-622.	4.5	5
59	Caspases and poly(ADP-ribose) polymerase (PARP) regulate the balance between apoptosis and necrosis in experimental pancreatitis. Gastroenterology, 2003, 124, A502.	1.3	3
60	Non-mitochondrial NAD(P)H oxidase mediates growth factor-induced ROS production and suppression of apoptosis in pancreatic cancer cells. Gastroenterology, 2003, 124, A290.	1.3	1