Shanthi Srinivasan

List of Publications by Year in Descending Order

56 papers	5,642 citations	29 h-index	64 g-index
64 ext. papers	6,586 ext. citations	6.8 avg, IF	5.47 L-index

#	Paper	IF	Citations
56	Utilizing functional lumen imaging probe in directing treatment for post-fundoplication dysphagia. *Surgical Endoscopy and Other Interventional Techniques*, **2021**, 35, 4418-4426	5.2	5
55	Enteric Nervous System in Neonatal Necrotizing Enterocolitis. *Current Pediatric Reviews*, **2021**,	2.8	1
54	Hepatic Autonomic Nervous System and Neurotrophic Factors Regulate the Pathogenesis and Progression of Non-alcoholic Fatty Liver Disease. *Frontiers in Medicine*, **2020**, 7, 62	4.9	8
53	Caspase-11-mediated enteric neuronal pyroptosis underlies Western diet-induced colonic dysmotility. *Journal of Clinical Investigation*, **2020**, 130, 3621-3636	15.9	16
52	Role of Sirtuins in Modulating Neurodegeneration of the Enteric Nervous System and Central Nervous System. *Frontiers in Neuroscience*, **2020**, 14, 614331	5.1	10
51	Inhibition of GSK-3 restores delayed gastric emptying in obesity-induced diabetic female mice. *American Journal of Physiology - Renal Physiology*, **2020**, 319, G481-G493	5.1	3
50	Glial Cell Line-Derived Neurotrophic Factor Enhances Autophagic Flux in Mouse and Rat Hepatocytes and Protects Against Palmitate Lipotoxicity. *Hepatology*, **2019**, 69, 2455-2470	11.2	7
49	Interactions Between Commensal Bacteria and Enteric Neurons, via FPR1 Induction of ROS, Increase Gastrointestinal Motility in Mice. *Gastroenterology*, **2019**, 157, 179-192.e2	13.3	33
48	Obesity, Motility, Diet, and Intestinal Microbiota-Connecting the Dots. *Current Gastroenterology Reports*, **2019**, 21, 15	5	16
47	Lactobacilli -induced Generation of Reactive Oxygen Species via Formyl Peptide Receptor-1 (FPR1) Regulates Intestinal Motility in Mice. *FASEB Journal*, **2019**, 33, 763.1	0.9	
46	Hyperglycemia promotes microvillus membrane expression of DMT1 in intestinal epithelial cells in a PKC dependent manner. *FASEB Journal*, **2019**, 33, 3549-3561	0.9	7
45	Neuropeptide Y (NPY) promotes inflammation-induced tumorigenesis by enhancing epithelial cell proliferation. *American Journal of Physiology - Renal Physiology*, **2017**, 312, G103-G111	5.1	19
44	The enteric nervous system is a potential autoimmune target in multiple sclerosis. *Acta Neuropathologica*, **2017**, 134, 281-295	14.3	21
43	Colonic Microbiota Encroachment Correlates With Dysglycemia in Humans. *Cellular and Molecular Gastroenterology and Hepatology*, **2017**, 4, 205-221	7.9	59
42	A Randomized, Double-Blind, Placebo-Controlled Trial to Examine the Effectiveness of Lubiprostone on Constipation Symptoms and Colon Transit Time in Diabetic Patients. *American Journal of Gastroenterology*, **2017**, 112, 356-364	0.7	24
41	Western diet induces colonic nitrergic myenteric neuropathy and dysmotility in mice via saturated fatty acid- and lipopolysaccharide-induced TLR4 signalling. *Journal of Physiology*, **2017**, 595, 1831-1846	3.9	41
40	Glial cell line-derived neurotrophic factor-induced mice liver defatting: A novel strategy to enable transplantation of steatotic livers. *Liver Transplantation*, **2016**, 22, 459-67	4.5	11

39	Intestinal dysbiosis contributes to the delayed gastrointestinal transit in high-fat diet fed mice. *Cellular and Molecular Gastroenterology and Hepatology*, **2016**, 2, 328-339	7.9	64
38	Edible ginger-derived nanoparticles: A novel therapeutic approach for the prevention and treatment of inflammatory bowel disease and colitis-associated cancer. *Biomaterials*, **2016**, 101, 321-40	15.6	235
37	Glial cell line-derived neurotrophic factor protects against high-fat diet-induced hepatic steatosis by suppressing hepatic PPAR-□expression. *American Journal of Physiology - Renal Physiology*, **2016**, 310, G103-16	5.1	7
36	Dietary emulsifiers impact the mouse gut microbiota promoting colitis and metabolic syndrome. *Nature*, **2015**, 519, 92-6	50.4	1016
35	Hepatic insulin gene therapy prevents diabetic enteropathy in STZ-treated CD-1 mice. *Molecular Therapy - Methods and Clinical Development*, **2015**, 2, 15028	6.4	4
34	Restoration of Na+/H+ exchanger NHE3-containing macrocomplexes ameliorates diabetes-associated fluid loss. *Journal of Clinical Investigation*, **2015**, 125, 3519-31	15.9	23
33	Polybacterial Periodontal Pathogens Alter Vascular and Gut BH4/nNOS/NRF2-Phase II Enzyme Expression. *PLoS ONE*, **2015**, 10, e0129885	3.7	18
32	Glial cell line-derived neurotrophic factor protects against high-fat diet-induced obesity. *American Journal of Physiology - Renal Physiology*, **2014**, 306, G515-25	5.1	23
31	MicroRNA 375 mediates palmitate-induced enteric neuronal damage and high-fat diet-induced delayed intestinal transit in mice. *Gastroenterology*, **2014**, 146, 473-83.e3	13.3	65
30	Electrophysiological characteristics of enteric neurons isolated from the immortomouse. *Digestive Diseases and Sciences*, **2013**, 58, 1516-27	4	7
29	Emerging neuropeptide targets in inflammation: NPY and VIP. *American Journal of Physiology - Renal Physiology*, **2013**, 304, G949-57	5.1	83
28	Tumor necrosis factor-neuropeptide Y cross talk regulates inflammation, epithelial barrier functions, and colonic motility. *Inflammatory Bowel Diseases*, **2013**, 19, 2535-46	4.5	39
27	Effect of high fat-diet and obesity on gastrointestinal motility. *Annals of Translational Medicine*, **2013**, 1, 14	3.2	49
26	Activation of intestinal NHE3 by insulin depends on the coordination of IRBIT, NHERF1, and Ezrin. *FASEB Journal*, **2013**, 27, 1210.11	0.9	
25	Gut microbial products regulate murine gastrointestinal motility via Toll-like receptor 4 signaling. *Gastroenterology*, **2012**, 143, 1006-16.e4	13.3	238
24	Nuclear factor kappa B signaling initiates early differentiation of neural stem cells. *Stem Cells*, **2012**, 30, 510-24	5.8	75
23	Insulin Activates Intestinal NHE3 via IRBIT. *FASEB Journal*, **2012**, 26, 1152.21	0.9	
22	Successful implantation of bioengineered, intrinsically innervated, human internal anal sphincter. *Gastroenterology*, **2011**, 141, 310-9	13.3	55

21	Shanthi V. Sitaraman, MD, PhD: physician, scientist, educator, and humanitarian. *Gastroenterology*, **2011**, 141, 1-3	13.3	341
20	Glial cell line-derived neurotrophic factor enhances human islet posttransplantation survival. *Transplantation*, **2011**, 92, 745-51	1.8	12
19	Glial cell line-derived neurotrophic factor enhances neurogenin3 gene expression and beta-cell proliferation in the developing mouse pancreas. *American Journal of Physiology - Renal Physiology*, **2010**, 299, G283-92	5.1	10
18	BMP2 promotes differentiation of nitrergic and catecholaminergic enteric neurons through a Smad1-dependent pathway. *American Journal of Physiology - Renal Physiology*, **2010**, 298, G375-83	5.1	26
17	Metabolic syndrome and altered gut microbiota in mice lacking Toll-like receptor 5. *Science*, **2010**, 328, 228-31	33.3	1513
16	Enteric nervous system in the small intestine: pathophysiology and clinical implications. *Current Gastroenterology Reports*, **2010**, 12, 358-65	5	77
15	Adenosine 2B receptors (A(2B)AR) on enteric neurons regulate murine distal colonic motility. *FASEB Journal*, **2009**, 23, 2727-34	0.9	34
14	Delayed gastric emptying and enteric nervous system dysfunction in the rotenone model of Parkinson's disease. *Experimental Neurology*, **2009**, 218, 154-61	5.7	116
13	The effect of morphine on a K+ channel from a murine enteric neuron cell line derived from the H-2kb-tsA58 mouse. *FASEB Journal*, **2009**, 23, 580.3	0.9	
12	Glial cell line-derived neurotrophic factor increases beta-cell mass and improves glucose tolerance. *Gastroenterology*, **2008**, 134, 727-37	13.3	34
11	Characterization of fetal and postnatal enteric neuronal cell lines with improvement in intestinal neural function. *Gastroenterology*, **2008**, 134, 1424-35	13.3	56
10	Targeted deletion of neuropeptide Y (NPY) modulates experimental colitis. *PLoS ONE*, **2008**, 3, e3304	3.7	52
9	Loss of enteric dopaminergic neurons and associated changes in colon motility in an MPTP mouse model of Parkinson's disease. *Experimental Neurology*, **2007**, 207, 4-12	5.7	158
8	Glial-derived neurotrophic factor modulates enteric neuronal survival and proliferation through neuropeptide Y. *Gastroenterology*, **2006**, 131, 1164-78	13.3	42
7	GDNF rescues hyperglycemia-induced diabetic enteric neuropathy through activation of the PI3K/Akt pathway. *Journal of Clinical Investigation*, **2006**, 116, 344-56	15.9	188
6	Enteric neuroblasts require the phosphatidylinositol 3-kinase/Akt/Forkhead pathway for GDNF-stimulated survival. *Molecular and Cellular Neurosciences*, **2005**, 29, 107-19	4.8	57
5	The roles of leptin and adiponectin: a novel paradigm in adipocytokine regulation of liver fibrosis and stellate cell biology. *American Journal of Pathology*, **2005**, 166, 1655-69	5.8	200
4	Endoplasmic reticulum stress-induced apoptosis is partly mediated by reduced insulin signaling through phosphatidylinositol 3-kinase/Akt and increased glycogen synthase kinase-3beta in mouse insulinoma cells. *Diabetes*, **2005**, 54, 968-75	0.9	140

3	Interferon-gamma down-regulates adenosine 2b receptor-mediated signaling and short circuit current in the intestinal epithelia by inhibiting the expression of adenylate cyclase. *Journal of Biological Chemistry*, **2005**, 280, 4048-57	5.4	27
2	Leptin as a novel profibrogenic cytokine in hepatic stellate cells: mitogenesis and inhibition of apoptosis mediated by extracellular regulated kinase (Erk) and Akt phosphorylation. *FASEB Journal*, **2004**, 18, 1612-4	0.9	174
1	Glucose promotes pancreatic islet beta-cell survival through a PI 3-kinase/Akt-signaling pathway. *American Journal of Physiology - Endocrinology and Metabolism*, **2002**, 283, E784-93	6	88