

Shanthi Srinivasan

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | Metabolic syndrome and altered gut microbiota in mice lacking Toll-like receptor 5. <i>Science</i> , 2010 , 328, 228-31 | 33.3 | 1513 |
| 55 | Dietary emulsifiers impact the mouse gut microbiota promoting colitis and metabolic syndrome. <i>Nature</i> , 2015 , 519, 92-6 | 50.4 | 1016 |
| 54 | Shanthi V. Sitaraman, MD, PhD: physician, scientist, educator, and humanitarian. <i>Gastroenterology</i> , 2011 , 141, 1-3 | 13.3 | 341 |
| 53 | Gut microbial products regulate murine gastrointestinal motility via Toll-like receptor 4 signaling. <i>Gastroenterology</i> , 2012 , 143, 1006-16.e4 | 13.3 | 238 |
| 52 | Edible ginger-derived nanoparticles: A novel therapeutic approach for the prevention and treatment of inflammatory bowel disease and colitis-associated cancer. <i>Biomaterials</i> , 2016 , 101, 321-40 | 15.6 | 235 |
| 51 | The roles of leptin and adiponectin: a novel paradigm in adipocytokine regulation of liver fibrosis and stellate cell biology. <i>American Journal of Pathology</i> , 2005 , 166, 1655-69 | 5.8 | 200 |
| 50 | GDNF rescues hyperglycemia-induced diabetic enteric neuropathy through activation of the PI3K/Akt pathway. <i>Journal of Clinical Investigation</i> , 2006 , 116, 344-56 | 15.9 | 188 |
| 49 | Leptin as a novel profibrogenic cytokine in hepatic stellate cells: mitogenesis and inhibition of apoptosis mediated by extracellular regulated kinase (Erk) and Akt phosphorylation. <i>FASEB Journal</i> , 2004 , 18, 1612-4 | 0.9 | 174 |
| 48 | Loss of enteric dopaminergic neurons and associated changes in colon motility in an MPTP mouse model of Parkinson's disease. <i>Experimental Neurology</i> , 2007 , 207, 4-12 | 5.7 | 158 |
| 47 | 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. <i>Diabetes</i> , 2005 , 54, 968-75 | 0.9 | 140 |
| 46 | Delayed gastric emptying and enteric nervous system dysfunction in the rotenone model of Parkinson's disease. <i>Experimental Neurology</i> , 2009 , 218, 154-61 | 5.7 | 116 |
| 45 | Glucose promotes pancreatic islet beta-cell survival through a PI 3-kinase/Akt-signaling pathway. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 283, E784-93 | 6 | 88 |
| 44 | Emerging neuropeptide targets in inflammation: NPY and VIP. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 304, G949-57 | 5.1 | 83 |
| 43 | Enteric nervous system in the small intestine: pathophysiology and clinical implications. <i>Current Gastroenterology Reports</i> , 2010 , 12, 358-65 | 5 | 77 |
| 42 | Nuclear factor kappa B signaling initiates early differentiation of neural stem cells. <i>Stem Cells</i> , 2012 , 30, 510-24 | 5.8 | 75 |
| 41 | MicroRNA 375 mediates palmitate-induced enteric neuronal damage and high-fat diet-induced delayed intestinal transit in mice. <i>Gastroenterology</i> , 2014 , 146, 473-83.e3 | 13.3 | 65 |
| 40 | Intestinal dysbiosis contributes to the delayed gastrointestinal transit in high-fat diet fed mice. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2016 , 2, 328-339 | 7.9 | 64 |

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|----|---|------|----|
| 39 | Colonic Microbiota Encroachment Correlates With Dysglycemia in Humans. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2017 , 4, 205-221 | 7.9 | 59 |
| 38 | Enteric neuroblasts require the phosphatidylinositol 3-kinase/Akt/Forkhead pathway for GDNF-stimulated survival. <i>Molecular and Cellular Neurosciences</i> , 2005 , 29, 107-19 | 4.8 | 57 |
| 37 | Characterization of fetal and postnatal enteric neuronal cell lines with improvement in intestinal neural function. <i>Gastroenterology</i> , 2008 , 134, 1424-35 | 13.3 | 56 |
| 36 | Successful implantation of bioengineered, intrinsically innervated, human internal anal sphincter. <i>Gastroenterology</i> , 2011 , 141, 310-9 | 13.3 | 55 |
| 35 | Targeted deletion of neuropeptide Y (NPY) modulates experimental colitis. <i>PLoS ONE</i> , 2008 , 3, e3304 | 3.7 | 52 |
| 34 | Effect of high fat-diet and obesity on gastrointestinal motility. <i>Annals of Translational Medicine</i> , 2013 , 1, 14 | 3.2 | 49 |
| 33 | Glial-derived neurotrophic factor modulates enteric neuronal survival and proliferation through neuropeptide Y. <i>Gastroenterology</i> , 2006 , 131, 1164-78 | 13.3 | 42 |
| 32 | Western diet induces colonic nitrergic myenteric neuropathy and dysmotility in mice via saturated fatty acid- and lipopolysaccharide-induced TLR4 signalling. <i>Journal of Physiology</i> , 2017 , 595, 1831-1846 | 3.9 | 41 |
| 31 | Tumor necrosis factor-neuropeptide Y cross talk regulates inflammation, epithelial barrier functions, and colonic motility. <i>Inflammatory Bowel Diseases</i> , 2013 , 19, 2535-46 | 4.5 | 39 |
| 30 | Adenosine 2B receptors (A(2B)AR) on enteric neurons regulate murine distal colonic motility. <i>FASEB Journal</i> , 2009 , 23, 2727-34 | 0.9 | 34 |
| 29 | Glial cell line-derived neurotrophic factor increases beta-cell mass and improves glucose tolerance. <i>Gastroenterology</i> , 2008 , 134, 727-37 | 13.3 | 34 |
| 28 | Interactions Between Commensal Bacteria and Enteric Neurons, via FPR1 Induction of ROS, Increase Gastrointestinal Motility in Mice. <i>Gastroenterology</i> , 2019 , 157, 179-192.e2 | 13.3 | 33 |
| 27 | Interferon-gamma down-regulates adenosine 2b receptor-mediated signaling and short circuit current in the intestinal epithelia by inhibiting the expression of adenylate cyclase. <i>Journal of Biological Chemistry</i> , 2005 , 280, 4048-57 | 5.4 | 27 |
| 26 | BMP2 promotes differentiation of nitrergic and catecholaminergic enteric neurons through a Smad1-dependent pathway. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, G375-83 | 5.1 | 26 |
| 25 | A Randomized, Double-Blind, Placebo-Controlled Trial to Examine the Effectiveness of Lubiprostone on Constipation Symptoms and Colon Transit Time in Diabetic Patients. <i>American Journal of Gastroenterology</i> , 2017 , 112, 356-364 | 0.7 | 24 |
| 24 | Glial cell line-derived neurotrophic factor protects against high-fat diet-induced obesity. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, G515-25 | 5.1 | 23 |
| 23 | Restoration of Na ⁺ /H ⁺ exchanger NHE3-containing macrocomplexes ameliorates diabetes-associated fluid loss. <i>Journal of Clinical Investigation</i> , 2015 , 125, 3519-31 | 15.9 | 23 |
| 22 | The enteric nervous system is a potential autoimmune target in multiple sclerosis. <i>Acta Neuropathologica</i> , 2017 , 134, 281-295 | 14.3 | 21 |

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|----|--|------|----|
| 21 | Neuropeptide Y (NPY) promotes inflammation-induced tumorigenesis by enhancing epithelial cell proliferation. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, G103-G111 | 5.1 | 19 |
| 20 | Polybacterial Periodontal Pathogens Alter Vascular and Gut BH4/nNOS/NRF2-Phase II Enzyme Expression. <i>PLoS ONE</i> , 2015 , 10, e0129885 | 3.7 | 18 |
| 19 | Obesity, Motility, Diet, and Intestinal Microbiota-Connecting the Dots. <i>Current Gastroenterology Reports</i> , 2019 , 21, 15 | 5 | 16 |
| 18 | Caspase-11-mediated enteric neuronal pyroptosis underlies Western diet-induced colonic dysmotility. <i>Journal of Clinical Investigation</i> , 2020 , 130, 3621-3636 | 15.9 | 16 |
| 17 | Glial cell line-derived neurotrophic factor enhances human islet posttransplantation survival. <i>Transplantation</i> , 2011 , 92, 745-51 | 1.8 | 12 |
| 16 | Glial cell line-derived neurotrophic factor-induced mice liver defatting: A novel strategy to enable transplantation of steatotic livers. <i>Liver Transplantation</i> , 2016 , 22, 459-67 | 4.5 | 11 |
| 15 | Glial cell line-derived neurotrophic factor enhances neurogenin3 gene expression and beta-cell proliferation in the developing mouse pancreas. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 299, G283-92 | 5.1 | 10 |
| 14 | Role of Sirtuins in Modulating Neurodegeneration of the Enteric Nervous System and Central Nervous System. <i>Frontiers in Neuroscience</i> , 2020 , 14, 614331 | 5.1 | 10 |
| 13 | Hepatic Autonomic Nervous System and Neurotrophic Factors Regulate the Pathogenesis and Progression of Non-alcoholic Fatty Liver Disease. <i>Frontiers in Medicine</i> , 2020 , 7, 62 | 4.9 | 8 |
| 12 | Glial Cell Line-Derived Neurotrophic Factor Enhances Autophagic Flux in Mouse and Rat Hepatocytes and Protects Against Palmitate Lipotoxicity. <i>Hepatology</i> , 2019 , 69, 2455-2470 | 11.2 | 7 |
| 11 | Glial cell line-derived neurotrophic factor protects against high-fat diet-induced hepatic steatosis by suppressing hepatic PPAR- α expression. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, G103-16 | 5.1 | 7 |
| 10 | Electrophysiological characteristics of enteric neurons isolated from the immortomouse. <i>Digestive Diseases and Sciences</i> , 2013 , 58, 1516-27 | 4 | 7 |
| 9 | Hyperglycemia promotes microvillus membrane expression of DMT1 in intestinal epithelial cells in a PKC δ -dependent manner. <i>FASEB Journal</i> , 2019 , 33, 3549-3561 | 0.9 | 7 |
| 8 | Utilizing functional lumen imaging probe in directing treatment for post-fundoplication dysphagia. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2021 , 35, 4418-4426 | 5.2 | 5 |
| 7 | Hepatic insulin gene therapy prevents diabetic enteropathy in STZ-treated CD-1 mice. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015 , 2, 15028 | 6.4 | 4 |
| 6 | Inhibition of GSK-3 β restores delayed gastric emptying in obesity-induced diabetic female mice. <i>American Journal of Physiology - Renal Physiology</i> , 2020 , 319, G481-G493 | 5.1 | 3 |
| 5 | Enteric Nervous System in Neonatal Necrotizing Enterocolitis. <i>Current Pediatric Reviews</i> , 2021 , | 2.8 | 1 |
| 4 | Lactobacilli -induced Generation of Reactive Oxygen Species via Formyl Peptide Receptor-1 (FPR1) Regulates Intestinal Motility in Mice. <i>FASEB Journal</i> , 2019 , 33, 763.1 | 0.9 | |

- 3 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
- 2 Insulin Activates Intestinal NHE3 via IRBIT. *FASEB Journal*, **2012**, 26, 1152.21 0.9
- 1 Activation of intestinal NHE3 by insulin depends on the coordination of IRBIT, NHERF1, and Ezrin. *FASEB Journal*, **2013**, 27, 1210.11 0.9